

PTEN

Professional Tool & Equipment News

The Independent Tool Authority



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BUSINESS MEDIA



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300+
PRODUCTS
IN EIGHT CATEGORIES



**LEGACY
MATTERS:
7 SIZES
23 PRODUCTS
4 HANDLE TYPES
35 YEARS OF
PUSH-BUTTON
EXPERIENCE**

KNIPEX – Tools Designed With Your Hand in Mind

Here's something you won't find in competitive push-button pliers today—quality *and* breadth of line; an expansive variety of pliers. From 5" to 22", we offer the largest range of sizes. With more than 23 products, 4 different handle styles and 35 years of experience, the Cobra® Pliers have evolved into the finest pump pliers you can buy. Copying might be a form of flattery, but there really is no viable "copy" of the Cobra line of push-button pliers.

Accept no substitutes. Professionals prefer the original Cobras. If you want your work to be the best, then use the best.

Lock into the legacy—KNIPEX locking push-button pliers.

See a video of this tool: <https://goo.gl/wia8M>

AVAILABLE IN SEVEN SIZES



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KNIPEX Quality – Made in Germany

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X-431 THROTTLE

The **X-431 Throttle** is a full comprehensive diagnostic tool, which includes a charging base. It is based on the Android™ 7.1 System, which supports dual band WiFi (2.4 Ghz & 5Ghz) Communication. It has wide Coverage on most models, strong diagnostic capabilities, accurate detection data, IP 65 Rated.



NEW 2 HOUR QUICK CHARGE TECHNOLOGY



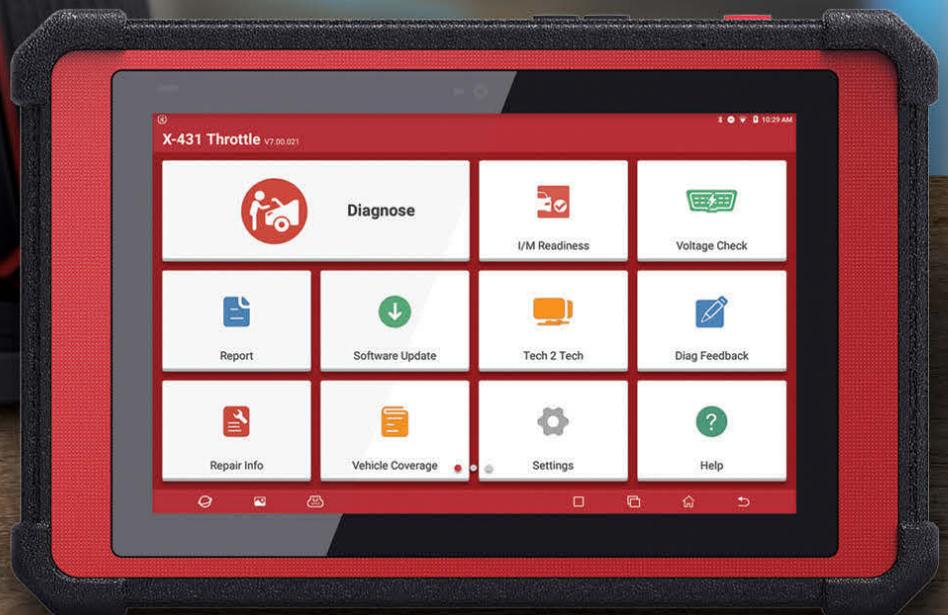
WILL SUPPORT LAUNCH'S NEW ADAS



13 MP REAR CAMERA



NEW HIGHER RESOLUTION AND BRIGHTER DISPLAY



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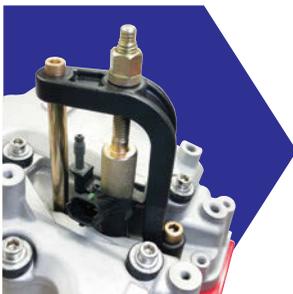
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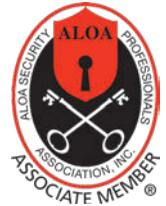
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KEY PROGRAMMER

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J2534
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PROGRAMMING

SMART MODE

GUIDED & AUTOMATED
KEY LEARNING

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Key FOBs & MCU/EEPROM Chips
- Key Read/Write
- MCU & EEPROM Chip Read/Write
- IC Card Read/Write
- Remote Control Frequency Detect
- Mercedes Infrared Key Read/Write

EXPERT MODE

ADVANCED
KEY LEARNING

- Read PIN/CS & All Keys Lost
- Read PIN/CS (All Keys Lost)
- IMMO ECU Reset/Adaptation
- IMMO ECU Refresh/Coding
- Remote Learning
- Backup/Restore EEPROM Data
- Backup/Restore IMMO Data
- BMW FEM/BDC Key Learning
& Adaptation
- AUDI Q5/A4/A5 2015-2017
Read PIN/CS

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XP400
CHIP PROGRAMMER



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BODY SHOP

OFFERS MIG AND TIG WELDING

The H & S Autoshot 3-in-1 Synergic Welder, No.

HSM200, offers full synergic welding capability setting on a large LCD display. The welder has a dual 110-240V input capability, offers MIG and TIG welding, and allows switch back operation with both torches connected at all times and no requirement to remove MIG wire. System features include an IGBT inverter power supply with 0.99 efficiency PFC dual voltage (115V and 230V) input with a compact air-cooled cabinet. Operating features include infinitely variable output power from 30-200 amps, auto over-temp, and over-voltage protection. The welder has a lift-arc start and foot pedal control for MMA and TIG welding. The package includes HSM17 TIG torch with a 12.5' quick-connect welding cable, 200A work clamp with a 10' quick-connect welding cable, 200-amp electrode holder with a 10' welding cable, and an operator manual.

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OFFERS HIGH PRECISION LINEAR MOTOR

The Dent Fix Equipment AluArc Aluminum Repair Station with Drawn-Arc Key Welder is a drawn arc-welding unit developed specifically for thin aluminum car body panels and welds pull keys to the panel for increased pulling capabilities. The gun is equipped with a high precision linear motor with a digital control, which provides refined synergies. According to the company, drawn arc-welding offers several advantages over capacitor discharge technology, including deep repair capabilities, reduction in post repair preparation, no impact on the reverse side of the panel, and more. An intuitive, functional digital interface provides two welding modes: Synergic Mode with factory pre-established programs and Manual Mode, which provides personalized settings. The kit comes with a five-year warranty.

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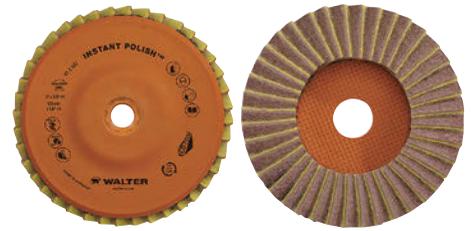


ACHIEVE NO. 8 MIRROR FINISHES IN A SINGLE STEP

The **Walter Surface Technologies**

Instant Polish Discs are designed for fast, single-step finishes. These discs are available in 4-1/2" and 5" diameter sizes for use at a maximum 7,300 rpm and optimal 2,000 rpm, and are ideal for automotive, transportation, food and beverage equipment, aerospace, and other sector-specific applications. With powerful polishing properties and improved engineering, these discs can achieve No. 8 mirror finishes in a single step, according to the company.

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REMOVE DENTS FROM BUMPERS

The **Polyvance Bumper Rollers**, No. 6148, are designed to improve the efficiency of removing dents from bumpers. Three custom profile shapes remove dents in virtually every profile of bumper. The wide roller is suitable for removing large dents on broad, flatter areas of a bumper, while the ball roller is ideal for removing dents in tighter radius areas and corners. The body-line roller is a specialty roller that helps reshape tight corners and restore the perfect shape to distorted body lines. Other uses for the Bumper Rollers include removing dents in sheet metal and pressing sound deadening material into place.

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FEATURED PRODUCT

HIGH POWERED GAS SOLDERING IRON AND HEAT TOOL

The **Portasol SuperPro 125** is an easy-to-use auto ignition, butane soldering iron that heats up in 30 seconds. It has a temperature range of 25 watts to 125 watts with a butane burning temperature of 2373 degrees F with the torch tip on. The tool has a temperature control knob to adjust the heat required. The SuperPro 125 comes in a kit with seven tips, including hot air and deflector for heat shrinking and four soldering tips.

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CAN WELD NEXT TO HEAT-SENSITIVE COMPONENTS

The **Portasol Plastic Welding Kit**, No. PP75, is designed to repair plastic parts including bumper covers, mirror housings, cup holders, and more. The cordless soldering iron is portable and easy to use, and the ultrasonically welded gas tank helps provide a safe, reliable butane torch. Heat is transferred through direct contact, allowing users to weld next to heat-sensitive components without damaging or destroying them. The complete kit includes a cordless soldering iron, plastic welding tip, Allen key, cleaning piston, reinforcement grid, instructions, and five different 5cm by 20cm welding rods (Black PE, Ps, PP, ABS, and white ABS). All components come in a carrying case.

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REMOVE OIL VAPOR TO LESS THAN 0.003 PPM

The **Motor Guard MHT-7200 Compressed Air Desiccant Dryer** features a unique cartridge that combines an activated carbon inner element to remove oil vapor to less than 0.003 ppm with a high-capacity silica gel desiccant dryer that delivers a -40 degrees F dew point to the spray booth. Two full quarts of silica gel desiccant beads help ensure long filter life and a sealed, disposable cartridge (No. M-720) and spin-off T-handle provide for a quick and clean cartridge change. A color-change (blue to pink) sight glass signals the need to replace both cartridges.

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SIMPLE USER INTERFACE WITH LCD SCREEN

The **Miller Electric Millermatic 255 MIG Welder** and **Multimatic 255 Multiprocess Welder** are designed to reduce downtime and increase productivity. These welders are easy to set up and simple to use for all skill levels. Each welder weighs about 84 lbs. With the optional EZ-latch running gear, both welders are easy to move and can be quickly disconnected from the running gear. The simple user interface provides a large, easy-to-read 7" color LCD screen and straightforward controls. The Millermatic 255 MIG welder is suitable for light manufacturing or fabrication; the Multimatic 255 welder delivers MIG, stick DC Lift-Arc TIG, and pulsed MIG capabilities, and is suitable for light manufacturing, fabrication, and MRO segments.

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FLEXIBLE NECK FOR HARD-TO-REACH AREAS

The **SEM Products, Inc. Trim Black Ultra** is an OEM matched coating for automotive trim components. Trim Black Ultra provides a spray gun-like application and finish, fast coverage, adhesion to a multitude of substrates and superior UV resistance. This jet-black trim paint comes in three gloss levels to refinish today's domestic, Asian, and European makes and models. Trim Black Ultra comes in a 20 oz. aerosol can with an optimized formula, tip and valve allowing users to finish more jobs per can in less time. In addition, Trim Black Ultra does not require primer.

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FLEXIBLE NECK FOR HARD-TO-REACH AREAS

The **Dent Fix Equipment Blind Rivet Adapter**, No. DF-SPR/BRAD, allows the company's SPR Riveters to install blind rivets. This adapter is compatible with the SPR Riveter (DF-SPR67) and Push Pull Riveter (DF-SPR69). A flexible neck allows for the tool to be positioned into hard-to-reach areas. The adapter allows the setting of blind rivets with diameters from 4.0 to 7.8mm for aluminum and 4.0 to 6.4mm for steel. It has a tensile force of 20 kN.

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ZINC FINISH WITH 3-1/2" GRIP

The **Lisle Double Ended Clip Lifter**, No. 35460, features a smaller opening designed for lifting the center pin and a wider opening that lifts the fastener from the panel. This tool also works with plastic fasteners, plastic clips, upholstery, or door panels. It offers a zinc finish with a 3-1/2" grip, and the overall tool length is 8".

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THE NEW PRO SERIES
MODULAR WORK LIGHT
#PPMWL1000

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**PRO
SERIES**



"SPOTLIGHT YOUR WORK STAGE!"



The Pro Series Modular Work Light is extremely versatile and can be used as an underhood light, an area spotlight and four individual work lights!

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- 3hr Runtime on High, 6hr Runtime on Low
- 4 Removeable Modules with Rechargeable Base
- Dust & Water Resistant IP54 (On Base) & IP65 (On Modules)

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www.powerprobetek.com



BLOW GUN WITH AN AIR DELIVERY RATE UP TO 23 CFM

The **Steinel Professional Heat Blower**, No. HB 1750, is optimized for drying efficiency and for heat-shrinking tubes and sleeves on cables.

The heat blower delivers almost 30 percent more air than conventional tools, according to the company. Adjustable airflow ensures user control. The ergonomically shaped soft grip handle permits fatigue-free working. The included stand offers stationary operation at any angle. Features include a turbine blower with an air delivery rate up to 23 cfm, color coded keys, a maintenance free factory sealed motor, a lightweight and well-balanced design, and a plug-in heating element that takes only seconds to change.

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TRAPS OIL, WATER, AND PARTICULATES

The **Motor Guard MHT-7100 Compressed Air Filter** is a high-volume water trap combined with a particulate and oil filter with the company's hydrophilic depth cartridge that filters to a 0.01 micron rating. The cartridge was developed to trap oil, water, and particulates in between the tightly wound sheets of high-efficiency media. A drop-in replacement cartridge (No. M-710) and spin-off T-handle provide for a rapid cartridge change.

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EASY TO REPLACE THE BLADE

The **Mueller-Kueps Quick-Lock Razor Scraper** is designed to reduce the time it takes to remove and replace the blade. Instead of having to twist out the screw, users can quickly slide back the knob to release the blade, then slide the knob back up to secure the blade again. A two-component handle with rubber coating provides a secure grip. The scraper comes with five steel and five plastic blades. The plastic blades can be used on paint, while the steel blades can be used to remove adhesives and more from a variety of surfaces such as steel, glass, and more.

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FEATURED PRODUCT

HEATS FERROUS AND SOME NON-FERROUS METALS

The **Induction Innovations Mini-Ductor Venom**, No. MDV-777, generates Invisible Heat to release ferrous and some non-ferrous metals from corrosion and thread lock compounds without the dangers of open flame. It is capable of turning a 3/4" nut red hot in seconds. Venom's feature set allows users to repair vehicles and equipment faster, safer and more profitably, and to salvage parts normally discarded, according to the company. Venom also features a coil twist lock, angled design with trigger, LED usage indicator, and a user-controlled LED switch. The Venom comes with a two-year limited warranty.

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INDUCTION INNOVATIONS

Induction Innovations Inc.
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theinductor.com

PATENTED 2-PC DESIGN FOR EASY CLEANING

The **Titan Professional Tools' Refillable Aluminum Spray Bottle**, No. 19426, is an eco-friendly CFC-free, reusable spot sprayer. It can be filled with compressed air via the valve stem located at the bottom of the bottle. The spray bottle features a safety pressure relief valve, a viton sealing ring, and includes a 55mm jet nozzle and spray nozzle. The max volume is 227ml and it has a max operating pressure of 116 psi.

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TACKLE TOUGH PAINT AND BODY PROJECTS

The **Summit Racing Sanding Discs** feature a pressure-sensitive adhesive backing and utilize aluminum oxide abrasive material to tackle tough paint and body projects. These 6" discs are available with 40, 80, 150, 220, and 320 grit sanding surfaces and come in packs of 25.

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DIAGNOSTICS



INDIRECT, MANUAL, AND AUTO RELEARN

The **Monster TPMS Sensor and Activation Tool with OBDII Module**, No. MSTTPMSOBD, includes the Monster TPMS Pro, an OBDII module, and a softshell case. This TPMS tool is designed for sensor activation, programming, and ECU reset. The tool offers 98.6 percent TPMS coverage and programs all leading aftermarket TPMS sensor brands, according to the company. The tool also offers vehicle make, model, and year lookup, and provides indirect, manual, and auto relearn procedure information.

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INCLUDES OEM SERVICE PROCEDURES

The **Mac Tools Repair Source Diagnostics** software on the ET7200 and ET6250 Diagnostic tools is included in the purchase price of the tool. This software includes diagnostic coverage updates, software updates, and Repair Source. Repair Source offers vehicle service and repair information, including OEM service procedures for A/C and heater, engine, airbag, brake bleed, steering, suspension, starter alternator, and timing belt; DTC troubleshooting: test conditions and diagrams and supporting tests; OE wiring diagrams; component location diagrams; computer relearn procedures and more.

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WIRELESS ALL-IN-ONE TRUCK DIAGNOSTIC SCANNER

The **FCAR TECH USA F7SN Truck TabPro** is a wireless all-in-one truck diagnostic solution, covering most light duty, medium duty, and heavy duty trucks and off-road equipment with additional domestic passenger vehicle coverage. Features include all preloaded software that never expires, diagnostic functions, testing and calibration functions, and the scanner has OEM level bidirectional functionality. It also features remote print, customized data export, and a vehicle health report. The F7SN is designed for your daily truck or equipment repair or maintenance needs with its fast scan capabilities, intuitive use, and affordable cost.

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FEATURED PRODUCT

EXPANDS LDW CALIBRATION CAPABILITIES

The **Autel MaxiSYS ADAS LDWTARGET2 Package Upgrade** expands Lane Departure Warning (LDW) vehicle coverage. The upgrade contains LDW calibration targets for Subaru, Mitsubishi, Nissan, Mazda, and Mercedes Benz. The targets in this package are compatible with the current Autel MaxiSYS ADAS calibration frame and software. The fully adjustable calibration system provides accurate procedures for camera, radar, and night vision based systems, which are ideal for a wider range of specialty repair shops including collision, alignment, and glass replacement.

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AUTEL

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RETRIEVE TPMS FAULT CODES EASILY

The **Bartec USA TPMS Software Update 58** offers updated features and coverages for Bartec TPMS tools. One notable feature, VINdicatE, is a fast and easy way to select the vehicle and retrieve the TPMS fault codes in one simple step. Simply connect the Bartec Pro Series tool to the OBD-II port and let the tool do the work. The VIN is detected and decoded, and with the make, model, and year selected, the DTCs are also detected and decoded. Also included in the update is additional placard coverage for the Tech400 Pro.

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Keeping Up with the Jetsons: Technicians Face More Complex Challenges Than Ever Before

Over the past several decades computer systems have roughly doubled in complexity and capability every few years. Today we are seeing the same trend in automotive technologies.

Modern vehicles contain an average of 100 million lines of code—more than ten times the amount of code seen in cars 20 to 30 years ago. Coding is the instruction manual for the computer which allows the car to perform and operate as intended. The average car now has more coding than Facebook, some space shuttles, and a Mac OS.

This increased amount of coding is directly related to state-of-the-art features being offered—pedestrian collision prevention, self parking, lane change warning systems, and the general trend toward electric vehicles.

Drivers are more accepting of new technology and craving “the next best thing”. These developing features have the potential to advance safety on the highway, while also demanding greater precision and understanding to be fixed, repaired, or replaced.

**So what does this boosted technology mean for the modern mechanic?
It means that success requires better training, newer tools, and meeting higher customer expectations.**

A network of reliable sources and professional solutions is paramount to your success as a technician. **DIAG.NET** has made it our mission to connect techs like you to other professionals in the industry by providing an area brimming with case studies, resources, data sharing and more. Experience what it’s like to be a tech on top and have access to an entire world of professionals who want to elevate the industry by elevating themselves.

Invest in Yourself.

Elevate the Industry.

Join the Network.

FEATURED PRODUCT

COMPATIBLE WITH WINDOWS 7, 8, AND 10

The **DG Technologies d-briDge PRO** is a J2534 diagnostic and reprogramming pass-thru interface tool. The tool features compatibility with J2534-1 and J2534-2, four high speed CAN channels, J2534 adapter validation tool, OBD-II diagnostic software, and USB connection. The d-briDge PRO is made in the U.S.A. and is compatible with Windows 7, 8, and 10. The tool includes a two-year warranty with registration.

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Vehicle Network Solutions

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dgtech.com

ANDROID BASED DIAGNOSTIC SCAN TOOL

The **Matco MaxFlex**, No. MDMAXFLEX, is an Android based diagnostic tablet designed to flex three ways to fit the needs of technicians. The unit can be used as an enhanced code reader, can be customized to monthly subscription plans by only paying for the coverage they need, and can be configured to include a software package with annual updates. All three subscription configurations are compatible with Matco's MaximusFix.

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FEATURED PRODUCT

DELIVERS FAST DIAGNOSTIC FUNCTIONALITY

The **Topdon USA ArtiPad** delivers fast diagnostic functionality with integrated OE repair information that helps the technician to quickly and accurately diagnose complex vehicle issues. It is a revolutionary smart solution for diagnosis based on the multitasking made possible by the Android operating system, the company says. The ArtiPad is equipped with a powerful 8-core 2.0GHz processor, 12" HD capacitive touchscreen, and top dealer-level diagnostics. The all inclusive package has dealer-level capabilities for all North American makes and models, as well as Asian, and European.

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COMPACT, HIGH-RESOLUTION, MULTIPLE-ASPECT CAMERA

The **Cal-Van Tools WiFi Borescope**, No. 84, uses a compact, high-resolution, multiple-aspect camera (up to 1080p) and adjustable LED lighting to give technicians different views without teardown. With the long 58" bendable cable and camera both IP67 rated, users can access areas without needing to drain the fluid. The borescope is compatible with Android and iOS devices and has an independent Wi-Fi signal up to 30' that allows users to work wirelessly during the inspection. It comes with additional inspection accessories including a viewing mirror, recovery hook, and magnet.

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INCLUDES "REMOTE TECHNICIAN" FUNCTION

The **CanDo C-Pro Scan Tool** offers full functionality with bidirectional controls, special test functions, and a full suite of activations and service resets. The C-Pro is packaged in an 8" open Android tablet with Bluetooth and Wi-Fi. The tablet is designed to be intuitive and easy to use, and also includes the company's Remote Technician function at no additional charge. This scan tool covers European, Asian, and Domestic passenger cars and light trucks.

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FOR NON-HIGHWAY VEHICLES

The **Bosch Off-Highway Diagnostic Cable and Introductory Software Package** for 3824 and 3824BSC ESI[truck] HD diagnostic tools is designed to diagnose and repair non-highway vehicles. The kit includes 10 cables for use on Caterpillar, John Deere, Kubota, Perkins, Volvo, Massey Ferguson, SISU, Deutz, Deutz-Fahr, MTU applications, and more. Repair information and diagnostic capabilities cover vehicles and systems with a variety of information specific to vehicle type and manufacturer.

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READS THOUSANDS OF INFRARED TEMPERATURE SPOTS OVER A SURFACE AREA

The **Launch Tech USA Thermal Imager** reads thousands of infrared temperature spots over a surface area and combines those colored heat signals with an image of the object to make a thermal image. The Thermal Imager shows high temp, low temp, central temp, and a heat color code. It measures temperatures from -4 to 842 degrees F with a +/- two percent accuracy. The unit can store up to 20,000 pictures and offers an auto shutdown.



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FEATURES A 4.5MM DIAMETER CAMERA PROBE

The **Oasis Scientific Vividia D3245 USB Digital 2-Way Articulating Borescope** features a 4.5mm diameter camera probe and a 1.5 meter long insertion tube. The D3245 can be bent in two directions at a maximum angle of 180 degrees. The insertion tube has metal braided outside layers and the bending part is made with stainless steel. With a USB connection, one can connect the Vividia D3245 to a Windows PC (Windows XP, 7, 8, and 10), MacBook, or android devices. With an additional Vividia VA-B2 AirBox wireless converter, the D3245 can be used with iPhones and iPads. Users can easily take pictures and videos with the free software.

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High-End Functionality with World-Class Support

ArtiPad is a revolutionary smart solution for passenger car diagnosis based on the multitask-capable Android operating system.

- Advanced ECU Coding
- Interactive Data Logging Sessions
- Dealer Level Functionality
- Enhanced Coverage for All Makes and Models
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FEATURED PRODUCT

MULTI-BRAND AND MULTI-SYSTEM DIAGNOSTIC TOOL

The **Cojali Jaltest** is a multi-brand and multi-system diagnostics tool developed to perform advanced vehicle diagnostics and maintenance tasks in an easy and intuitive way, not only by reading error codes, but also by providing troubleshooting guides. Jaltest after-sales support is focused on delivering professional services to the workshop through technical assistance, training and e-learning, and specialized customer support. Jaltest offers coverage for commercial vehicles, agricultural vehicles, construction machinery, and marine vessels.

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jaltest.com/en/



DESIGNED SPECIFICALLY FOR HEAVY DUTY CAPABILITIES

The **Matco Tools Maximus 3.0 HD Diagnostic Scan Tool**, No. MDMAX3HD, is designed to be the fastest, strongest, and most intuitive member of the Maximus family specifically for heavy duty capabilities. The scan tool runs on an upgraded open Android system with a 10.1" touchscreen display, so that multiple applications can be utilized simultaneously at high speeds. It performs wireless diagnostics, including read/clear trouble codes, view/graph and record the PID, bidirectional test, coding, reset, and more.

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REPROGRAM LIGHT TO HEAVY DUTY TRUCKS AND BUSES

The **DG Technologies DPA 5 PRO** is a complete RP1210/J1939 diagnostic and reprogramming tool for all makes and models of light to heavy duty trucks and buses, as well as construction, agriculture, and stationary equipment. The DPA 5 PRO also has light J2534 automotive capabilities. The tool comes with free DG diagnostic software and is compatible for use with all OEM software. The DPA 5 PRO is available in Volvo/Mack cable kits, laptop kits, tractor trailer kits, and comes with a two-year warranty. The USA-made product is compatible with Windows XP, 7, and 10.

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FEATURED PRODUCT

SCANS EVERY MODULE IN THE VEHICLE

The **CarMD Pro Scan** is an automotive after-market business solution designed for repair shops. It provides hardware and portal services allowing technicians and repair shops to scan every module in a vehicle as part of the inspection process. The Pro Scan includes an easy-to-use tool that connects to the OBD-II port, an app that runs on a tablet or phone, and access to CarMD's database. Without disrupting shop workflow, Pro Scan generates two reports: one for the shop and one for the customer. You are able to see network scan results, freeze frame, I/M status, OBD-II codes, pending codes, possible causes, severity level, verified fixes, and TSBs. The customer sees transparent information about their car's health, plus coupons for needed work and shop specials.

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ATS

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3C

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GDI engines should be cleaned every 30,000 miles as routine maintenance.



Pictures below show a 1.6L Turbo Mini Cooper at 83,000 miles that was cleaned in just 17 minutes.

- "At Independent Vehicle Service we have used all of the industry's big name induction cleaning chemicals over the years, however all of these chemicals have fallen short of our expectation. They just don't work. The 3C is the first carbon removal system that I have used that works well and I can confidently recommend to our customers."

David Lang Owner Independent Vehicle Services
2017 Bosch Master Mechanic of the Year
AES Master Certified Technician with L1, L2, L3.

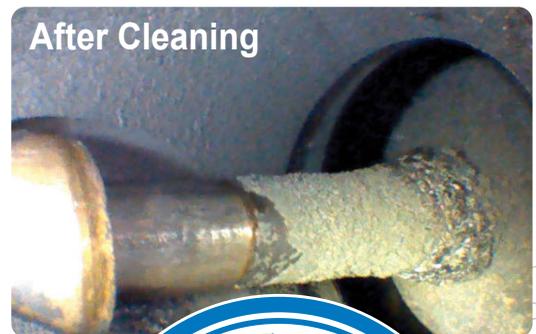
- "We had previously been performing walnut blasting to clean carbon buildup. Some walnut blasting operations were taking us as long as 9 hours, but with the ATS induction machine (in most cases) you are done in less than half an hour, with equally good results. I highly recommend the 3C Intelligent Induction Cleaner."

Andreas Wittler Owner Hans Wittler's Automotive

- "The ATS 3C machine is revolutionary. It has immensely decreased the repair time on vehicles that need carbon removal. We have used the 3C system a lot and it produces great results. The problem with purchasing a vehicle equipped with GDI has been solved by the invention of the 3C system. We highly recommend this system."

Tyler Cathers Owner Island Sport Works

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DIAGNOSTICS



CONTAINS EVERYTHING NEEDED TO MANAGE SCHOOL BUS FLEETS

The **NEXIQ Technologies Pocket HD School Bus Kit** has everything needed to manage school bus fleets with Cummins engines. In addition to the Pocket HD scan tool, the kit comes with the School Bus software suite, which includes HDS, LMT 2016, Cummins Lite, All Makes DPF Regen, Allison Lite, and the ABS brake suite. An array of Cummins special tests are part of the Cummins Lite software module (for example, DPF regeneration, DEF leak test, DEF doser pump override, reset DOC/DPF, and more). Also included are two adapters (a 9-pin and a 16-pin), a 26-pin data cable, and a soft carrying case.

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GLOBAL OBD-II VEHICLE COVERAGE

The **Zurich ZRPRO Professional OBD-II Scanner** is designed to offer sophisticated diagnostics in an easy-to-use, affordable tablet. The ZRPRO offers Bluetooth wireless connectivity to the vehicle and a fully-functioning Android tablet that includes a high-resolution camera. Other notable features include global OBD-II vehicle coverage that includes most U.S., Asian, and European vehicles built after 1996; full health system reporting and live graphing; Auto VIN scan; bidirectional controls; OEM special functions including battery reset procedures, electronic brake caliper release, key fob relearns, and more; and built-in DTC code search. The tool is Wi-Fi enabled, with an 8" IPS touchscreen display and convenient web browser that allows users to download third-party apps. The scanner comes in an impact-resistant case.

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COVERS ALL MAJOR TRUCKS

The FCAR Tech F506 HD Code Reader Pro

is designed for truck repair, fleet management, and maintenance staff to have quick and easy access to vehicle electronic control units and all supported sensors. The code reader can read and remove fault codes, analyze live sensor data, and save or export into an Excel spreadsheet. The code reader covers all major trucks, with imported truck OEM level coverage for Isuzu, UD, Hino, Fuso, and OBD-II for all passenger vehicles, the company says.

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REPAIR GUIDANCE SOLUTIONS

The **Noregon NextStep** is a troubleshooting and repair guidance solution. NextStep is available as an add-on module for the company's advanced in-shop diagnostic and repair tool, JPRO Professional, or as a standalone web portal containing searchable repair information. When integrated with JPRO, NextStep allows functions such as viewing live vehicle data, clearing faults, and initiating bidirectional tests directly from the application. NextStep utilizes a component-based database to make repair information immediately available for new vehicles containing components with pre-existing coverage. NextStep provides detailed color-coded wiring diagrams, troubleshooting tasks, and more to improve accuracy of repairs and expedite the overall process.

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FEATURED PRODUCT

AUTOMOTIVE KEY TOOL

The Autel MaxiIM IM608 and IM508 Key Programming Tablets

are Android tablets with diagnostic, service, and advanced key programming functions. The IM508's XP200 key programmer enables

EEPROM, along with key reading and writing. The tablet's IMMO functions include backup, restore, key generation/learning, and remote learning. The IM608 performs the same functions as the IM508, plus additional IMMO, key programming, and system diagnostics. Use the IM608's XP400 key and chip programmer with the included MaxiFlash JVC1 to complete advanced IMMO and key programming functions such as Add Key, All Keys Lost, and Key Learning for select Mercedes, BMW, Volkswagen, and Audi vehicles.

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AUTEL

Autel
855-288-3587
auteltech.com

FEATURED PRODUCT

HEAVY DUTY DIAGNOSTIC SOLUTION

The **Bosch 3824A ESI[truck] Scan Tool** utilizes easy-to-use software and a massive array of technical information for users to perform an ultra-fast and accurate diagnosis in order to get the repair done right and the vehicle back in operation. This tool helps technicians navigate through complex coverage and various systems to reduce downtime and cost. The 3824A is ideal for heavy duty vehicle repair shops and technicians, commercial vehicle fleet managers and owners, commercial vehicle dealerships, the Department of Transportation (DOT) and municipalities, and other operations that work and/or repair agricultural and construction vehicles (upgrade kit required).

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AUTOMATED PRE AND POST SCAN REPORT SYSTEM

The **Launch Tech USA X-431 Throttle** is based on the Android 7.1 system and supporting dual 5GHZ Wi-Fi communication. It has a wide coverage of models and strong diagnostic functions such as supporting intelligent diagnosis and remote diagnosis technology, reading and clearing of DTCs, and the ability to support a diversity of data stream display modes. The product's industrial design offers a soft rubber sheath on all four corners to prevent collision.

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OFFERS 98 PERCENT COVERAGE

The **AirPro Diagnostics AirPro Scan Tool** uses both OEM and independent proprietary software to wirelessly connect to a shop's existing Wi-Fi or cellular hotspot to help deliver dealership-level pre- and post-repair scanning. The AirPro scan tool connects directly to the vehicle's DLC port. Then, the AirPro ORION Diagnostic Management system can be used to submit scan requests, track and maintain scan reports, and request and store related invoices. This remote diagnostics, calibrations, and programming tool offers 98 percent coverage for vehicle years 1996-2018, according to the company.

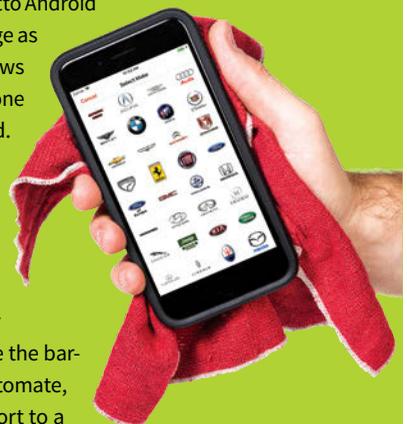
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FEATURED PRODUCT

DESIGNED FOR ANDROID MOBILE PHONES

The **AutoEnginuity Giotto Android** is a full-featured OE-level scan tool designed for Android mobile phones. The Giotto Android version offers the same features and coverage as the Giotto Windows platform. This tool allows users to scan vehicles with just their smartphone — no dedicated tablet or handheld needed. Giotto Android uses gestures and adopts mobile user interfaces. With the tool's Vehicle Health Mode, the user only needs to tap the start button and the vehicle selection process is automated with VIN retrieve. If the VIN is not stored on the ECM, the user can use the camera on the phone to decode the barcode. The Giotto Android will completely automate, pulling all the controllers and post that report to a PDF or use JSON output to the secure server.

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ENGINUITY**

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FEATURED PRODUCT

ALL-IN-ONE SOFTWARE SOLUTION

The **One Task Manager** from **Global Commerce Connection** provides a streamlined operations solution for the daily management of asset maintenance, repairs, and standards compliance. The integrated online modules bring together all asset information, service history, and inspections results. Information is at the fingertips of the asset owner for review and electronic approval, providing more cost-effective and efficient communication between service providers, managers, and owners. The digital platform tracks the lifecycle of assets and uses customizable eForms and automated workflows specific to your operation to take the guesswork out of the inspection and maintenance process.

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Global Commerce Connection LLC
610-972-0799
onetaskmanager.com

WALKS USERS THROUGH TPMS RESET PROCESS

The **Myers VT46 TPMS Tool** offers an optional OBD-II module that is versatile and can be upgraded. The TPMS tool is for sensor activation, programming, and ECU reset for complete tire management. The unit reads, diagnoses, and activates 100 percent of OE and aftermarket TPMS sensors, the company says. The tool supports many programmable TPMS sensors and is updated with new features. All sensor data is displayed on the bright color display, including the sensor ID, tire pressure, tire temperature, and battery status. The Myers VT46 displays indirect, OBD, manual, and auto relearn procedure information, walking users step-by-step through the TPMS reset process.

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TEST ABS SENSORS IN SERVICE BAY

The **Hickok Waekon ABS+ Sensor & Signal Tester** is designed to test the ABS wheel speed sensor's voltage output signal independently right in the service bay, including the "standstill" or "alive" signal from an Active Directional Sensor. This tool helps users determine if it's the sensor or another component of the ABS system causing the problem. This product helps technicians save time and improve safety by testing ABS sensors in the service bay, instead of trying to read wheel sensor data on a scan tool while driving.

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PROVIDES COMPLETE SAE J2534-1 AND J2534-2 CAPABILITIES

The **Drew Technologies CarDAQ-Plus 3** provides complete SAE J2534-1 and J2534-2 capabilities, as well as functionality for all vehicle makes and models. Additions to existing device capabilities include faster processors; four CAN channels, including the required three CAN channels to support some 2015 and newer Chrysler applications; and all 2018 and newer applications for R2R Diagnostics as well as future protocol/technology needs such as CAN FD. The CarDAQ-Plus 3 allows aftermarket shops OE level capabilities including Emissions Control Modules for all brands. Dealer-level support includes module configuration, live data display, immobilizer and security tools, non-emissions module programming, and new module replacement. Dealer-level support for all OEM diagnostic applications such as, BMW (ISTA and ISTA/P), GM (GDS2 and Tech2Win), Honda (HDS), Jaguar/Land Rover (SDD), Toyota (Techstream), Volvo (VIDA), VW/Audi (ODIS), and many more.

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FEATURES SUPPORT ON DEMAND APP

The **Autoland Scientech ISCAN 3** is designed to make day-to-day repairs easier, the company says. This tool gives users full control of their scanner for remote guidance, training, or support. The Support On Demand app in the main menu provides support for the user, with a remote pass-thru device when licensed OE software is necessary but not available in the shop. When equipped with OE software, the built-in, patented IMS2 and J2534 pass-thru functionality offers expanded coverage.

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EFFECTIVE FOR FCA VEHICLES MODEL YEAR 2018 AND NEWER

The **OTC Encore and Evolve Software Update 3.7** includes new coverage for domestic, Asian, and European makes including Chrysler, Ford, GM, Jeep, Saturn, Acura, Honda, Infiniti, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Toyota, Alfa Romeo, Audi, BMW, Fiat, Mini, Volkswagen, and Volvo. The update has additional coverage and improvements such as ADAS camera dynamic calibrations, special tests for brakes, instrumental cluster, climate/HVAC, transmissions, airbag, engine/PCM, steering, ABS/brakes, hybrid, AWD/transfer case, body control systems, and more.

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MEDIUM AND HEAVY DUTY DIAGNOSTICS

The **TEXA Quick Service Diagnostic Service Tool** is a diagnostic service tool for medium and heavy duty vehicles. Quick service combines the vehicle coverage and dependability of TEXA diagnostics at an affordable price point. This package is an entry-level heavy duty scan tool for maintenance shops. This tool is designed specifically for maintenance driven shops that do not require the advanced features of IDC5, but still need to perform functions such as forced regen, emissions and maintenance resets, injector switch off, and fan tests. The platform is upgradeable to the full version at any time, and it comes with a 16-pin and 9-pin adapter.

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FEATURED PRODUCT

ACCESS TO ALL VEHICLE SYSTEMS AND MODULES

The **CanDo C-Pro Scan Tool** offers full functionality with all of today's service resets packaged in an Android mini tablet. The scan tool gives complete access to all vehicle systems and modules for reading and clearing codes, live sensor data with graphing and screenshot capabilities, along with activations and resets, including Steering Angle Resets, EPB, TPS, and more. European, Asian, and domestic passenger cars and light trucks are covered.

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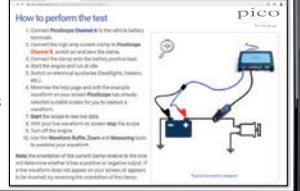
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FEATURED PRODUCT

SERVICE INFORMATION SYSTEM

Mitchell 1 ProDemand provides complete OEM repair, estimating and maintenance information, and real-world industry knowledge in a single look-up to help automotive technicians repair vehicles more efficiently. The company's search engine, 1Search Plus, presents the information needed in a user-friendly graphical layout for diagnosis and repair. Key features include expert-based Real Fixes, ADAS quick reference, scalable color wiring diagrams, the latest TSBs, common repair procedures, Top 10 Repairs dashboard, and integrated estimating with the Mitchell 1 Manager SE shop management system.

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Mitchell 1
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FOR DOMESTIC, EUROPEAN, AND ASIAN CARS

The **Zurich ZR11** and **ZR13 Code Readers** are designed for technicians who work on domestic, European, and Asian cars. These models diagnose and erase ABS codes and lights, are equipped to graph and record live data, and have a battery reset feature. The ZR11 and ZR13 feature a bilingual display in English or Spanish and have a patented 2.8" color screen that displays 20 data points at once. Standard features include freeze frame data, a patented health monitor LED to check emissions readiness, and one-touch functionality with a hot key feature.

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OFFERS 360-DEGREE ARTICULATION WITH JOYSTICK

The **Oasis Scientific Vividia ME-610 Automotive Industrial Borescope Inspection Camera** is designed for automotive and industrial inspection and diagnostics. This tool offers a 1m long, 6mm diameter probe with 360-degree all-way articulation controlled by a joystick. The camera is equipped with a sapphire protection lens that is impact, fall, and scratch-resistant. The probe is made from titanium alloy with high wear resistance. The ME-10 offers high quality, clear images with LEDs. The Vividia tool is suitable for examining car engine cylinder blocks, valves, piston heads, nozzles, ternary catalytic converters, and evaporation tanks. The ME Series Articulating Borescopes feature three models: ME-610 (without the air cooling channel), ME-610C (with an air cooling channel for compressed air cooling), and the ME-610HT (with air cooling and compact rechargeable pump for hot engines).

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OFFERS AN APP FOR ANDROID AND IOS

The **Ritchie Engineering Co. Yellow Jacket ManTooth Wireless Digital Gauge Kit** is a small, handheld device that can be hooked up to a vehicle's A/C system in less than three minutes, the company says. Using the ManTooth App (available for Android and iOS), technicians can read system pressures and temperatures. These gauges can help facilitate minimal refrigerant loss due to short, 6" hoses compared to 9' to 10' hoses on A/C machines.

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FEATURED PRODUCT

MOTORCYCLE AND MARINE DIAGNOSTIC COVERAGE

The **TEXA Navigator TXB Evolution** provides modern motorcycles, side-by-sides, quads, snowmobiles, and jet skis diagnostic coverage. The software is wireless and can work on more than 70 manufacturers: North American brands like Harley Davidson, Indian, Polaris, and BRP, and Japanese and European makes like Honda, Yamaha, BMW, Ducati, and more. It is designed to lead technicians from the identification of the problem to its solution. The software also includes values, technical data sheets, and interactive wiring diagrams. From maintenance lights to advanced parameter resets, TEXA Navigator TXB Evolution is able to offer diagnostic solutions.

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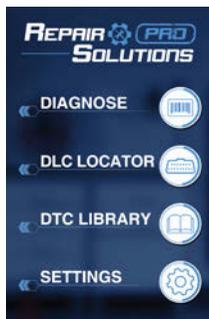


TEXA

TEXA USA Inc.
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OFFERS VERIFIED FIXES WITH STEP-BY-STEP INSTRUCTIONS

The **Innova RepairSolutions Pro Online Service** is designed to streamline the repair process. The service offers verified fixes for powertrain issues with difficulty level, step-by-step instructions, technician comments, repair cost, and a list of specialty tools required for the job. There is also an



open forum discussion with technicians, symptom reports, and TSBs related to the MIL DTC offered. RepairSolutions Pro offers mobile reports with a BlueTooth enabled tool, such as the

5160 CarScan Pro and app. Each CarScan tool includes a free one to 12-month subscription.

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FEATURES CONFIRMED FIXES FROM IDENTIFIX

The **Audatex Vehicle Health Check** is designed for pre- and post-scanning, diagnosing, and repairing vehicles. Vehicle Health Check features multiple package options to meet varying budgets, diagnostics needs, and skill levels. VHC Pro includes a portable Bluetooth vehicle connectivity interface and an application for smartphones and tablets. Users can perform full system scans and produce a health report with confirmed fixes from Identifix. VHC Technician kit includes a ruggedized and warrantied 10.1" tablet and full access to the Identifix DirectHit solution with OE procedures, wire diagrams, recall and TSB documents, plus industry confirmed fixes.

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FEATURED PRODUCT

ANALYZE PRESSURE ACCURATELY AND FAST

The **Pressure Transducer**, No. WPS500X, from **Pico Technology** provides quick and accurate performance evaluations of pressurized vehicle systems. Combined with a PicoScope Oscilloscope, the WPS500X generates precision waveforms of the pressure fluctuations



in tested systems, displaying them on a timeline with other related events to make it easier to diagnose vehicle issues and reveals how to repair them. It features an operating range from -15 psi up to 500 psi, and is also auto zeroing, temperature compensated, and noise shielded for maximum set-up simplicity and measurement accuracy.

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Vividia ME-610 Borescope

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HARDLINES



108-PC TOOL ASSORTMENT SET

The **Beta Easy 2047E/C108 Tool Set** from **Beta Tools** has 108 tools to choose from including sockets, pliers, hex keys, wrenches, screwdrivers, ratchets, and an engineer's hammer. The tools include 1/4" drive sockets (4mm, 4.5mm, 5mm, 5.5mm, and 6mm-14mm), 1/2" drive sockets (10mm-22mm, 24mm, 27mm, 30mm, and 32mm), 1/2" drive spark plug sockets (6mm, 5/8 in; 21 mm, 13/16 in), 1/4" and 1/2" drive universal joints, hex keys (1.5mm, 2mm, 2.5mm, 3mm-6mm, 8mm, 10mm), combination wrenches (7mm-19mm), screwdrivers (PH1, PH2, and four slotted screwdrivers), 1/4" and 1/2" drive reversible ratchets, 1/4" hex bit set in a plastic case, 10" slip joint pliers, along with diagonal, combination, and needle nose pliers. The set comes in a hard plastic carrying case.

Circle 85 on card, or enter at "e-inquiry" on VehicleServicePros.com

GRIP ROUNDED SHAPES EASILY

The **GEARWRENCH Bolt Biter Extraction Sockets** have tapered internal flutes of incrementally-sized sockets that fit snugly over stripped or corroded fasteners, gripping even rounded shapes to turn and remove the item. These sockets are easy to place onto the rounded fastener, with no hammering needed. The fastener is not destroyed during the removal process and can be reinstalled by the same socket if the fastener is a non-standard part. These sockets are designed to offer up to 10 times the usable life of cutting-type extraction sockets, the company says. These sockets can be used with both hand and power tools. They incorporate a square drive with a hex outer shape for easy use with an impact gun, wrench, or pliers. These sockets are available individually, or in 8-pc, 15-pc, or 28-pc sets.

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SENSOR SOCKET WITH A THIN-WALL DESIGN

The **CTA Manufacturing Corp. Ford Flow Sensor Socket**, No. 7850, is a 19mm socket with inner hex walls that are machined extra-deep for clearance of the Ford fuel/temperature flow sensor found on 2010-2017 Ford Transit Connect vans. It is specifically designed to clear the sensor connection bracket for easy removal of the fuel/temperature flow sensor. The socket has a thin-wall design with 3/8" drive and an overall socket length of 3". It can also be used on any 19mm application which doesn't exceed 2.5" depth.

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ERGONOMIC RIVET SQUEEZERS AND LIGHTWEIGHT RIVET HAMMERS

The **Chicago Pneumatic CP42 Series** is comprised of ergonomic squeezers and lightweight rivet hammers that are ideal for providing optimal riveting solutions for maximum productivity. The CP42 series includes six models of squeezers and seven models of compact rivet hammers. The squeezers are silent (as low as 72 dB) with a minimum vibration of less than 2.5 m/s². A rotating air inlet provides added flexibility so the user can easily maneuver the squeezer into the right position. The rivet hammers are available from 1X to 9X and can adeptly handle all aluminum rivets up to 3/8" in size.

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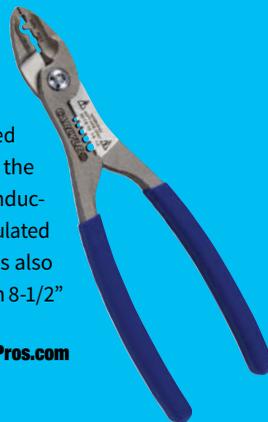


FEATURED PRODUCT

TOUGH AND VERSATILE

The **Carlyle Tools Wire Stripping, Cutting, Crimping Pliers** are tough, versatile, and feature a 6-3/4" frame with PVC dipped non-slip grips. The pliers are manufactured of Chrome Vanadium Steel (CR-V) and engineered with the professional tradesman in mind. The plier jaws include induction hardened cutting surfaces to strip and crimp both insulated and non-insulated wires between 10-20 AWG. The tool is also available in a 3-pc set with storage tray, which includes an 8-1/2" long nose and 7-1/4" pistol grip.

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Carlyle Tools
317-754-3766
napaonline.com

REMOVE AND INSTALL FUEL FILTERS

The **Lisle Fuel Filter Wrench**, No. 61150, is designed for the 2014 to current Ram 1500 EcoDiesel. This wrench is designed with four notches that line up with tabs on the outside of the fuel filter housing. The wrench is made of cast aluminum with a 3/8" square drive and a 7/8" hex drive.

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OFFERS INCREASED GRIPPING CAPACITY

The **KNIPEX 10" Pliers Wrench** has been redesigned with increased gripping capacity from 1-3/4" to 2" and laser marking guides on the product. These pliers offer 15 percent less weight with the same box-joint stability, the company says. This wrench replaces a whole set of open-ended wrenches — metric and inch. The zero backlash jaw pressure helps prevent damage to edges, and parallel jaws evenly distribute force for secure grip. This tool is available with a black oxide finish or chrome plating. The pliers wrenches are available in 5" to 16" lengths, with capacities from 7/8" to 3-3/8".

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FOR USE IN TIGHT AREAS

The **Tekton Angle Head Open End Wrenches** are designed to improve access in tight areas, allowing users to work around obstructions with angled heads to turn fasteners and fittings in confined spaces. The wrenches have a 30/60 angle head which saves time by allowing users to work without dismantling equipment to access tight spots. These wrenches are available in sets or individual sizes, SAE and Metric. The wrenches are 100 percent U.S.A. made.

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 TQ-34 - 3/4" Drive - 100-600 ft-lb/169-847 nm
 TQ-100 - 1" Drive - 200-1000 ft-lb/271-1356 nm

martinsprocket.com
 817.258.3000

Manufactured in USA

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THREE-WAY ALERT SYSTEM FOR ACCURATE TORQUE

The **Digitool Solutions DW Series Torque Wrenches** feature patented sensing and micro controller technology with an accuracy level of +/- 1 percent in both clockwise and counterclockwise directions with a readable scale between 10 and 100 percent of full scale. These wrenches are available in 1/4", 3/8", 1/2", and 3/4" drive sizes with torque ranges from 12.5 in-lbs to 600 ft-lbs. These tools are powered by two AA batteries for up to 500 hours of continuous use. The tool also features a high contrast LCD display and a three-way alert system with a tri-colored warning LED, an audible beep, and a handle vibration to alert the user when approaching and reaching the torque setting. The tools feature a four-button operating pad for easy navigation, a heavy duty ratchet head, high polished steel tubing, and an ergonomic handle. Each tool comes certified and exceeds industry standard and specifications including individual serial numbers for 100 percent traceability.



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REMOVES FINE METALLIC FILINGS, TURNINGS, AND SHAVINGS

The **Master Magnetics' Magnetic Retrieving Batons** remove fine metallic filings, turnings, and shavings created by cutting tools and machinery. The batons are constructed with permanent neodymium magnets housed in a stainless steel, non-corrosive housing and work in both wet and dry environments. They are available in four models ranging from 16" to 41" in length and 0.50" to 1" diameters. The unique shape allows for easy pickup near corners, shelves, and other hard-to-reach places. Once metal debris is collected, a simple pull of the handle releases materials to a designated area.

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SAFE ALTERNATIVE TO MARK, CUT, PUNCH, START, AND/OR SET

Mayhew Tools' Hammerless Tools are ideal for use on wood or metal surfaces, delivering up to 3,500 lbs of striking force. These spring-powered tools serve as a safe alternative to mark, cut, punch, start, and/or set without the need for a hammer. Users place the tool directly on the work surface, pull back the spring, and release. All tools in the Mayhew hammerless tools line are made in the U.S.A. and have a lifetime warranty. The hammerless tools line includes Center Punch and 2/32" Nail Set, No. 17351; Nail Master, No. 17352; 2/32" and 3/32" Nail Set, No. 17353; Center Punch and Prick Punch, No. 17354; 5/16" Cold Chisel and 5/16" Hammer, No. 17355; Punch and Cold Chisel, No. 17356; Self Centering Center Punch, No. 17357; 5/16" Wood Chisel and 5/16" Hammer, No. 17358; 5/16" Wood Chisel, No. 17359; and 5/16" Cold Chisel, No. 17360.

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DESIGNED FOR LONG REACH

The **Lisle Long Reach Hose Clamp Pliers**, No. 17000, are designed with cross-cut tips to grip most hose clamps from multiple angles. The ratcheting lock mechanism holds the clamp in an open position for handsfree use. The pliers feature dual material grips for improved comfort. The overall tool length of 17" allows for extra long reach.

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FEATURED PRODUCT

COMES WITH A STURDY METAL CASE WITH STORAGE TRAY

The **K Tool International 12-pc 1/2" Drive Professional Impact Driver Set**, No. KTI17101, provides technicians the most common size bits and can handle rusted and frozen screws. With its heat treated and hardened alloy steel, it is built for rugged use.

The professional grade impact comes in a sturdy metal case with storage tray to keep all 12 pieces organized. The set includes: 1/2" impact driver, 1/2" drive 5/16" bit holder, Phillips bits (PH2, PH3, and PH3 Xtra long), slotted bits (8mm and 10mm), and bolt removers (M3-M6, M6-M8, M8-M11, M11-M14, and M14-M19).

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K Tool International
800-762-6002
ktoolinternational.com



SAFELY OPEN STANDARD FLUID DRUMS

The **Lincoln Drum Plug Wrench**, No. 5841, is designed to eliminate the need for makeshift tools, such as screwdrivers and hammers, to quickly and safely open standard fluid drums. This tool is suitable for agriculture, construction, industrial, fleet maintenance, and vehicle service applications. It is compatible with standard metal and plastic caps or plugs on 16-gal and 55-gal drums.

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RESTORES THREADS TO FACTORY-NEW CONDITION

The **ProMAXX Exhaust Manifold Mounting Bolt Thread Repair Kit** restores stripped or damaged exhaust manifold mounting threads. It is engineered to fix problems caused by previous repair attempts. The repair kit includes a bushing, machine grade tooling bit, tap, and six 8mm x 125mm inserts.

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DESIGNED FOR EASY FASTENER REMOVAL IN CONFINED SPACES

The **KT Pro 90 Teeth Ratchet Series** is designed to provide a smooth ratcheting action, with a 4 degree arc swing and a streamlined teardrop ratchet head for easy fastener removal in confined spaces. Both ratchets, No. C4364-08P and No. C4464-10P, are made from high grade steel with a mirror polished finish for corrosion resistance that exceeds ANSI standards by 30 percent. Both drive sized ratchets, 3/8" and 1/2", come with a patented rubber grip strip and are backed by a lifetime warranty.

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TEXTURED GRIP FOR IMPROVED COMFORT AND TORQUE

The **Mac Tools 2" Comfort-Grip Pocket Slotted Screwdriver**, No. PN2B, is made of solid core Acetate plastic that is chemical resistant. This screwdriver features a four-sided lobular design with textured grip for improved comfort and torque.

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SEALED FLAT HEAD
Sealed Flat Head For Long Life



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- Low profile for use in tight areas
- Use with any 1/4" drive bit
- Ratchet style for ease of use



ADJUSTABLE WHEEL COVER



NEW

7231AWC

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※ Tool Not Included



- Fits SP AIR model #SP-7231, SP-7231R Fits also MAC AT35A (Mac Brand)
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SP AIR USA, Inc.
Toll Free 855-438-5313

sales@spairusa.com
http://www.spairusa.com/



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HIGH-VISIBILITY LASER-ETCHED MARKINGS

The **GEARWRENCH X-CORE Universal Socket and Joint Extensions** are available individually in seven sizes ranging from 8mm to 15mm, or as a 7-pc set. Off-Corner Loading technology helps reduce the rounding of fasteners. The Universal Joint Extensions are available individually and in two 3-pc sets (3/8" or 1/2" drive) at 6", 9", and 12" lengths. Both the socket extensions and joint extensions feature high-visibility laser-etched markings for quick size identification, a 30 degree flex angle with 360 degree rotation, and a black oxide finish for corrosion resistance.

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LIFT CAPACITY RANGES FROM 1-1/2 TO 10 LBS

The **Mayhew Tools Magnetic Pick-up Tools** feature strong neodymium iron-boron to offer lift capacity ranges from 1-1/2 to 10 lbs. The magnetic slide ring, included on the 2-1/2 lb, 5 lb, and 10 lb tools, shields the sides of the magnet from attaching to unwanted metal surfaces, and the textured cushion handles provide a secure grip. The stainless steel, lightweight handles on the 2-1/2 lb and 5 lb tools extend from 6-1/4" to 34-1/4", while the 10 lb extends from 6-1/2" to 30-1/4". The 1-1/2 lb tool extends from 5-7/8" to 26-1/4". These tools are also available in pre-packed, 30-pc displays.

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SUITABLE FOR A VARIETY OF SCREW TYPES

The **Vessel Tool Megadora screwdrivers** feature the JAWSFIT mechanism, allowing the blade to bite into the screw for easy removal. The JAWSFIT mechanism reduces cam-out of the screws while holding them properly. The JAWSFIT also helps remove already damaged screws, weather damaged screws, and plastic screws.

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HIGH CARBON ALLOY STEEL FROM HANDLE TO CAP

The **Lang Tools Pry Bars with Striking Caps** are U.S.A. made, exceed ASME standards, and feature a lifetime warranty. The strike protected hard capped handles are ergonomically designed for comfort, secure grip, and durability. High carbon alloy steel runs all the way through the handle to the cap. The pry bars are available in 12", 17", 25", 31", and 36" sizes.

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REMOVE ROUNDED FASTENERS

The **Mac Tools Rounded Bolt Removal Technology** is designed to provide a solution for rounded out or compromised fasteners. This technology uses an anti-slip, dual directional design to allow techs to remove normal fasteners without causing damage to the bolt, as well as removing severely compromised fasteners. This technology is currently available in Hex, Impact Hex, and Star Bit sockets, with more varieties scheduled to launch in 2020.

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FEATURED PRODUCT

REMOVES BROKEN EXHAUST MANIFOLD STUDS IN FORD GASOLINE ENGINES

The **ProMAXX TEC Kit** is designed to remove broken exhaust manifold studs faster and easier in Ford 4.6L, 5.4L, and 6.8L gas engines. The kit allows technicians the ability to maximize their speed and efficiency while boosting their bottom line. The TEC Kit is demonstrated to remove broken exhaust manifold studs in under an average of 15 minutes.

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ProMaxx Tool
412-941-0941
promaxxtool.com

MINIMIZES SWING ARC WHEN WORKING IN RESTRICTED SPACES

The **Snap-on 7-pc 12-point Metric 0 Degree Offset Short Handle Ratcheting Combination Wrench Set**, No. OXKRM707, features Snap-on Dual 80 technology to minimize swing arc when working in restricted spaces. The wrenches' patented 80-tooth ratcheting mechanism delivers up to 25 percent more torque while providing up to 95 percent more cycle life, says the company. The wrenches are precision-forged and heat-treated for optimum strength and durability. A nickel-chrome finish helps protect against corrosion and makes it easy to wipe the wrenches clean.

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CONVENIENT SET CASES IN INCH, METRIC, AND TORX TIP COMBINATIONS

The **Bondhus HexPro Pivot Head Wrench Sets** cover a wide variety of inch, metric, and Torx tip combinations. The set combinations are built for industrial professionals and have a matte chrome finish to prevent corrosion. They have long handles to provide extra reach, while the pivoting head can be used at any angle, allowing access to fastener heads in hard-to-reach locations. Individual tools are available in inch (1/8"-3/8"), metric (3mm-10mm), and Torx (T15-T55) tip sizes. The sets come in a plastic holder and have a lifetime warranty.

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DESIGNED TO PROVIDE PROTECTION IN HAZARDOUS ELECTRICAL WORK ENVIRONMENTS

The **Cementex Double-Insulated Torque Wrenches** feature two separate layers of insulation for twice the protection. The wrenches are made of materials calibrated according to ASME B107 standards (traceable to NIST), and manufactured according to ISO standards. The impact-resistant, flame-retardant insulation provides protection against flashover, shock, burns, and dropped tool shorts. Available options include standard, low profile, clockwise only, and short drive models, as well as a fixed head style. Three additional sizes have been added to the line, which now includes seven sizes.

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DESIGNED FOR SAFETY ON THE JOB

The **Channellock Insulated Pliers** are designed for professionals who need high quality OSHA-compliant pliers for safety on the job. This pliers line includes four tools: 8" Long Nose Pliers that feature a long, streamlined design for precision handling and XLT Xtreme Leverage Technology to enable cutting with less force; 7" and 8" Diagonal Cutters featuring strong lap joint construction and a durable diagonal cutting-edge design; and 8" Combination Pliers that feature XLT technology, crosshatch teeth for tighter grip, and a pipe grip design to accommodate many shapes.

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SMALL BRAKE CALIPER PRESS

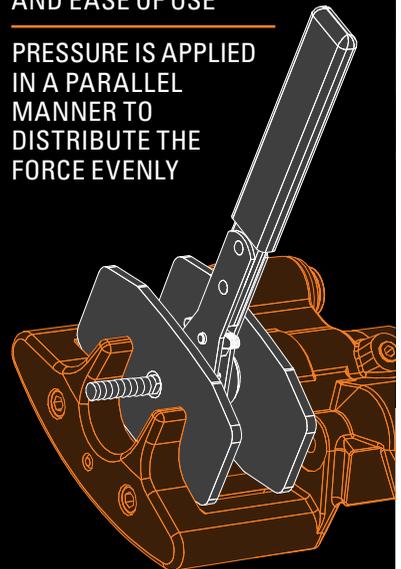
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WORKS ON SMALL TO MEDIUM SINGLE PISTON BRAKE CALIPERS WITH A SIZE RANGE OF 1" TO 3"

A CENTRALLY LOCATED ACME THREADED SCREW PROVIDES EXTRA DURABILITY, SPEED, AND EASE OF USE

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HARDLINES

COLOR CODED FOR EASE OF USE

The **Ascot 6-pc Wheel Torque Wrench Set** is designed to eliminate guesswork and fatigue from tightening wheel bolts. These wrenches offer an accuracy of +/- 4 percent, are color coded for ease of use, and are preset to the most common lug nut torque settings. The wrenches are one-way (not bidirectional) and feature cushioned ratchet heads. Includes a Yellow, Blue, Gray, White, and Aqua wrench, as well as the adjustable torque wrench. Also includes 1/2" drive sockets in 17mm, 19mm, 21mm, 3/4", 13/16", 7/8", and a 6" extension

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OPENING SPRING AND LIMITER FOR A USER-FRIENDLY HANDLE WIDTH

The **KNIPEX Tools 5 1/2" Electronic Super Knips XL** cutting pliers feature an extra 1/2" for greater stability and cutting performance. Other features include precision ground cutting edges without bevel for flush cutting even the finest wires in electronics and fine mechanics applications. The Electronic Super Knips XL are ideal for flush cutting cable ties and include an external opening spring and opening limiter for a more user-friendly handle width.

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REMOVES MOST OIL AND GREASE SEALS

The **Lisle Low Profile Adjustable Seal Puller**, No. 55210, has two hook sizes to remove most oil and grease seals. Where clearance is a problem, remove the pin to reposition the head, which can adjust to five different angles. The adjustable head works great on front wheel drive transaxles. Also works on front crankshaft seals without removing the radiator. Dimensions are 5" W x 19" L x 1" D.

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FOR INSTALLING SUBARU A/C DRIVE BELTS

The **Cal-Van Tools Subaru Belt Tool**, No. 737, is designed to make installing drive belts on Subaru vehicles easier. The tool includes everything needed to easily install the new, stiff stretch belt without damaging the belt or other components. This tool is suitable for installing new A/C drive belts.

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CAN BE USED WITH ANY WRENCH, BREAKER BAR, OR HAND DRIVER

The **Martin 1/2" Drive Electronic Torque and Angle Meter**, No. PTM-12, is designed to offer a torque reading with an accuracy level of +/- 1 percent. The unit features torque ranges from 120 to 300 in-lbs, 10 to 2550 ft-lbs, and 13.5 to 340 Nm. The angle preset adjusts from 5 to 360 degrees and has an angle memory during ratcheting. The lithium-ion polymer rechargeable battery can last up to 200 hours of continuous operation and offers an auto power off after two minutes. The meter can be used with any wrench, breaker bar, or hand driver and is easy to operate. It is also compliant with both ISO and ASME B107-28 (type 1) standards.

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FEATURED PRODUCT

REMOVE CLIPS WITHOUT BREAKING THEM

The **Steck Manufacturing Retainer Clip Release Tool**, No. 21715, is designed to allow the user to release retainer clips from the outside. By sliding in between the molding and panel, the user can now access both expansion ears and release the clip without breaking clips or wasting time locating the back of the clip. The Retainer Clip Release Tool is 10" long and made out of .015" spring steel with a reinforced nylon handle that gives it the flexibility and strength to get into tight areas. The wide opening allows the tool to release all types of retainer clips.

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Steck Manufacturing
937-222-0062
steckmfg.com





AVAILABLE IN ORANGE, GREEN, OR BLUE

The **Mayhew Tools Dominator 3-pc Curved Pry Bar Set** is available with orange, green, or blue handles. Each set includes 12", 17", and 25" long pry bars ideal for any lifting or prying application, such as oil pans, bearings, axles, fuel injectors, and more. A hardened and tempered alloy steel shaft runs from the cutting edge through the handle for improved durability and prying power, and a capped end allows for striking without damaging the handle. The patented two-composite handle is ergonomically designed for improved comfort and secure grip, and the black oxide finish prevents corrosion. This set is made in the U.S.A., backed by a lifetime warranty, and comes packaged in a self-contained, reusable storage tray that fits in most toolboxes.

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DESIGNED TO WITHSTAND GREATER TORQUE

The **SK FlexZone Deep Impact Socket** features extreme, hardened ends designed to withstand greater torque, and a malleable middle to provide more flexibility and prevent fracturing, to deliver up to 58 percent longer tool life, the company says. The FlexZone's durability helps limit job interruptions due to failing sockets, improving productivity. The company's design and manufacturing process for steel and heat-treating delivers a durable product for tough applications. These sockets are available in a 7-pc Fractional FlexZone Deep Impact Socket Set and 10-pc Metric FlexZone Deep Impact Socket Set.

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MULTIDIRECTIONAL DIAMOND PATTERN FOR SECURE GRIP

The **CTA Manufacturing Corp. Hose Clamp Pliers**, No. 1048, feature a 30mm circle head with multidirectional diamond pattern for secure grip and a wide application range, including radiator hoses, transmission cooler lines, air intake clamps, and more. It is spring loaded for easy handling with the ability to open to 55mm in width. Also features a 30-degree bend for easier access, cushion grips, and an extra-long design (13.5") for reaching components deeper in the engine bay.

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PUSH-BUTTON ADJUSTMENT

The **Matco Tools Hose/Click Clamp Set**, No. SPH7, is a partnership between Matco Tools and KNIPEX. The 2-pc set includes the 7" Hose Clamp Pliers, No. PHC7, and 7" Click Clamp Pliers, No. PHCC7. The hose clamp pliers feature a push-button adjustment with 15 positions, and rotating jaw inserts for reliable hose clamp grips in all positions. The pliers also feature non-slip plastic coated handles and serrated jaws behind the tips to loosen corroded hoses without harming the item being compressed.

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PULL SEALS FASTER AND EASIER

LT856 TEXAS TWISTER™ DEDICATED SINGLE ROD UNIVERSAL SEAL PULLER

- 27" one piece design for maximum strength and power
- DEDICATED SEAL PULLER
- Works on 90% of all seals
- LIFETIME WARRANTY
- Easy on and off

Use your air hammer to pull -



- AXLE SEALS
- CAM SHAFT SEALS
- CRANK SHAFT SEALS
- FRONT HUB SEALS
- REAR END AXLE SEALS
- REAR END PINION SEALS
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ltitools@ltitools.com

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REMOVES CLOGGED AND STUCK DIESEL INJECTOR SEALS

The **CTA Injector Seal Extraction Kit**, No. 7806, removes clogged or stuck diesel injector seals. The 2.2-lb slide hammer removes the more difficult seals by its design with an integrated hexagonal socket to screw the extractor into the seal. The extractor is designed to make removal quick and easy, without any adjustments or risk of dropping parts into the cylinder. The kit includes two conical removers with double thread entry, which services both passenger and light duty utility vans and trucks.

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DIAMOND COATED TIPS FOR IMPROVED GRIPPING POWER

GEARWRENCH Diamond Tip Screwdrivers are engineered with tri-lobe ergonomic handles for improved strength and comfort, and a "speed zone" for fast turning in low-torque applications. The dual-material handle is oil- and solvent-resistant, and the manganese phosphate coated blades offer corrosion resistance. The diamond coated tips provide up to four times the gripping power and reduce cam-out and slippage, the company says. The set of six includes three Phillips-head screwdrivers and three slotted screwdrivers.

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ENABLES REMOVAL OF INJECTORS WITHOUT HAVING TO REMOVE ELECTRICAL PLUG CONNECTION

The **Hazet Universal Injector Extraction Tool Set**, No. 4798-6/8, enables the removal of the injectors without having to remove the electrical plug connection or the injector head beforehand. Therefore, without any previous injector defect, reinstallation can be done without recalibration. The universal set is suitable for extracting diesel injectors on brands such as Bosch, Delphi, Siemens, and Denso. It consists of a set of special pliers for a secure grip in the clamping jaw receptacle on the injector, two individually attachable handles with joint adapter for pulling and twisting the injector at the same time, as well as a Bosch special adapter for a secure encompassing grip of the injectors. This ensures a consistent transfer of power.

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PROVIDES ACCURATE CYCLES IN A CLOCKWISE DIRECTIONAL USE

The **Preset Click Type Torque Wrench Series** is designed to provide thousands of accurate cycles in a clockwise directional use, says the company. The torque wrenches are made from high quality alloy steel that accords to International DIN and ASME standards. They also have a 32 teeth quick release ratchet mechanism and a distinctive click sound will occur when torque value is achieved. Four preset options are available.

Circle 128 on card, or enter at "e-inquiry" on VehicleServicePros.com



POWERFUL CUTTING ON THE JOB

The **Channellock High Leverage Curved Diagonal Cutting Pliers**, No. 447, are designed to provide powerful cutting capabilities on the job. These pliers can cut piano wire (0.056" to 0.091"), hard wire (0.047" to 0.091"), medium hard wire (0.047" to 0.091"), and soft wire (0.162" max diameter). These pliers are made in the U.S.A.

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FEATURED PRODUCT

FITS ANY STANDARD SIZE DRILL

The Arconic **Huck Rivet Shaver** fits any standard size drill and bur-nishes 5/32", 3/16", and 1/4" shavable rivet heads to leave a clean, solid appearance that closely matches solid or brazier head rivets. Shavable head rivets can be installed in a blind hole where the blind side or back side does not allow access.

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Arconic
800-826-2884
afs-idg.com

DESIGNED TO REACH INTO NARROW SPACES

The **Mueller-Kueps Flexible Magnetic Pickup Tool**, No. 702 270, is designed to reach into narrow spaces such as glow plug holes, and can lift up to half a pound. The magnetic tool is ideal for picking up dropped nuts, bolts, or other small items while working on a vehicle. It is also flexible, and easy to find due to its bright green color.

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FEATURED PRODUCT

PUSH-BUTTON ADJUSTMENT

The **KNIPEX Tools Swedish Pipe Wrench** offers a push-button fast-adjust feature that makes finding the precise adjustment position quick and easy directly on the workpiece. The push-button adjustment stays locked in position for repetitive work. The S-type head style provides three-points of contact that securely grip and hold round, square, hex, and flat workpieces without slipping. The vertical adjustment design is ideal for tight confined areas as the handles do not open out horizontally. The pipe wrench is forged from Chrome Vanadium electric steel.

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KNIPEX Tools
847-398-8520
knipex-tools.com

ALLOWS FOR QUICK REMOVAL OF STICK-ON WHEEL WEIGHTS

The **Ascot Heavy Duty Adhesive Wheel Weight Removal Tool** allows for quick and easy removal of stick-on wheel weights. The tool is light in weight and easy to use with adjustable jaws for different types and sizes of wheel weights. To prevent damage to the rims the jaws have a plastic cover that protects the rims from being scratched. Replacement plastic tips for the tool are available separately.

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DESIGNED FOR USE IN HVAC APPLICATIONS

The **Klein Tools multi-bit pocket screwdriver**, the **3-in-1 HVAC Pocket Screwdriver**, No. 32613, is designed for use in precision HVAC applications with three different tips in one tool: #0 Phillips, 1/8" (3.2mm) slotted, and a Schrader bit. The screwdriver features concealable tips and a pocket clip for convenient, everyday carrying between jobs. Other features include a rotating cap for precise control, interchangeable barrel with a short and a long side for greater versatility, and a cushion-grip handle to provide comfort when working on small equipment. Steel bits with heat-treated precision ground tips for greater tool strength, and corrosion-resistant anodized aluminum plated barrel ensures durability.

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HERE'S TO 30 YEARS OF TOOLS & EQUIPMENT

We've reached a milestone here at *Professional Tool & Equipment News*. This year marks 30 years of covering new products – and the technicians who use them – in the automotive aftermarket.

We're honored to have shown up on lunch tables, toolboxes, and service desks for three consecutive decades. When you think about it, that's a long time ... and a lot of tools! That's 30 years of new product releases, reviews, technicians, and shop profiles. It means 30 years of inspiration, education, wish lists, and new product purchases.

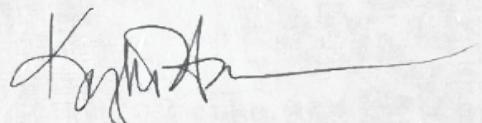
From the start, *PTEN* has featured tools and equipment shop owners and technicians could discover, research, and purchase for their shops. These are products – made for professionals – that help solve problems and speed repairs. Some products have even helped shop owners to launch new revenue opportunities. While the magazine may look different than it did in the early days, our mission hasn't changed. Though diagnostic goods have come on strong in the last decade or so, and we are seeing more software and smartphone solutions hit the streets, *PTEN's* goal remains the same: cover the new-to-market products that will help automotive repair professionals do their best work.

We've always been the new products source for the aftermarket, and we aim to keep that tradition going strong.

Thanks for reading ... we couldn't do it without you!



Sara Scullin, Editor



Kylie Hirko, Publisher

PTEN

0th

ANNIVERSARY

THANK YOU

FROM THE PTEN TEAM

FOR 30 YEARS OF TRUST



***PTEN TAKES PRIDE IN
BEING YOUR #1 TOOL &
EQUIPMENT RESOURCE.***



PERSONAL GEAR



IDEAL FOR CONFINED SPACE WORK

The **Cornwell Auto Darkening Welding Mask with Hood**, No. FFG32007, is designed for confined space work and mobile welding. The mask includes a bump cap for head and a fire retardant hood for protection. A soft silicone lines the goggles to help improve user comfort, and the mask is detachable. The FFG32007 includes an auto filter, protective shield, outer protection lines, fire retardant hood, bump cap, elastic headband, and carrying bag.

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RAISED, TEXTURED SURFACE FOR IMPROVED GRIP

The **Black Mamba Torque Grip Gloves** are designed to offer an enhanced grip and improved protection for automotive technicians. The gloves feature a raised texture on the surface of the glove to provide a more precise grip on tools and parts. These gloves were created in response to customer demand for a disposable glove that was tough enough to withstand the tough tasks of a technician, the company says. These gloves were also designed to prevent users from needing to change gloves multiple times due to ripping or tearing.

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FEATURES MAGNETIC/USB RECHARGING TECHNOLOGY

The **PowerTAC M6** is an everyday carry flashlight for technicians that emits 1,300 lm and has four lighting modes plus strobe. The flashlight's circuitry provides for a three hour runtime on the high power setting. The M6 has a magnetic tail cap for handsfree use and features PowerTAC's magnetic/USB recharging technology. The light is waterproof, impact resistant, includes the battery, and has a lifetime warranty.

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PENETRATION RESISTANT OUTSOLES

The **Galeton Repel Footwear Neoprene Boots**, No. 13074, offer a penetration resistant outsole and steel toe.

These boots are designed to be durable and comfortable. They are dipped with a protective coating to make them waterproof and also provide chemical resistance to oil, animal fats, grease, acid, alkalines, and alcohols. The boots feature thick outsoles with a steel plate to offer puncture resistance, and are also slip resistant. Additional features include a 3mm neoprene lining for extra warmth and a removable EVA insole cushion for ergonomic arch support.



The boots feature thick outsoles with a steel plate to offer puncture resistance, and are also slip resistant. Additional features include a 3mm neoprene lining for extra warmth and a removable EVA insole cushion for ergonomic arch support.

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FEATURED PRODUCT

ULTRA-LIGHTWEIGHT FRAME

The **Encon Safety Products Veratti Tango** sports an ultra-lightweight frame with a classic style and weightless feel. The rubberized TPR temples are soft, yet sturdy and provide a no-slip grip. The Veratti Tango also features high impact polycarbonate lenses, a 10 base lens curve, and 99.9 percent UVA and UVB protection to 385 Nm.

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Encon[®]
SAFETY PRODUCTS

Encon Safety Products
800-283-6266
enconsafety.com



UNIQUE TIRE TREAD PATTERN

The **MCR Safety Predator Gloves**, No. PD2950, are knit black, 13-gauge nylon with foam nitrile palm and fingers. These gloves feature a unique tire tread pattern TPR on the back of the gloves. The gloves are designed for excellent coverage and back of hand protection. The ID panel on the wrist allows for personalized identification.

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UP TO 50 PERCENT STRONGER THAN ALL-COTTON DENIM

The **Dickies Industrial FLEX Denim Collection** includes styles for both men and women, and is up to 50 percent stronger than all-cotton denim while also providing comfort through FLEX fabric. This collection is designed to retain its shape through more than 50 washes, and has the same look, feel, and fit of the company's most popular retail styles, giving the wearer the versatility to move from on to off-the-job activities with ease, the company says.

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FEATURED PRODUCT

OFFERS A MOTION SWITCH FUNCTION

The **Cornwell Quality Tools Multi-Function Sensor Headlamp**, part of the company's blueION lighting product line, offers COB light technology and has four function switches: bright, dim, red, and off. For convenient use, the headlamp includes a motion function where users simply wave their hand in front of the sensor to turn on or off. The headlamp has a maximum 160 lm brightness and the light head rotates 360 degrees from the belt holder. It includes a 3.7V 500 MAH Li-ion rechargeable battery and micro USB cable.

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CORNWELL QUALITY TOOLS

Cornwell Quality Tools
330-336-3506
cornwelltools.com

REMOVABLE SMARTMASKA SOCK LINERS

The **Coastal Boot Octane Athletic Casual Shoe**, available from **Snap-on Tools**, features lightweight nylon mesh uppers designed to keep users cool and dry. The shoes offer removable Smartmaska sock liners for improved comfort, and lightweight EVA outsoles for additional shock absorption. The Octane is available in sizes 7 to 13 in Snap-on Red or Black and Charcoal.

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OFFERS 180 DEGREE LENS

The **Save Phace DOA Welding Helmet** is designed to make a welder's job easier and more efficient. The 180 degree lens design and face forming profile allow the user to have full peripheral vision and to weld in hard-to-reach places. The high quality ADF is warranted for 24 months, and all parts are fully replaceable.

The nine-point adjustable halo gives the wearer the ability to adjust the helmet up, down, back, or front for the perfect custom fit, the company says.

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ALL STAINLESS STEEL FOLDER KNIFE

The **Kershaw Boilermaker Knife** features a modified drop-point blade with a 3.3" cutting edge. The all stainless steel knife provides extra cutting control with jimping along the blade's spine. The blade opens quickly with SpeedSafe assisted opening by a push on the thumbstud or a pull back on the flipper. Both the handle and blade have a PVD coating and a stonewashed finish to give the Boilermaker an industrial look and to provide an additional measure of protection for the steel. The knife also features a deep carry pocketclip.

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**BIG ASS
FANS**

EXCEPTIONALLY
ENGINEERED

FEATURED PRODUCT

PROVIDES COMFORT AND FUNCTIONALITY WITH MAGNETIC DISH

The **Monster Kneeling Pad**, No. MST19400, provides cushion comfort and functionality with its magnetic dish for nuts, bolts, and small parts. The three layer thick foam protects your knees from hard surfaces and is slip-resistant, oil proof, and solvent-resistant. It also comes with a built-in handle for carrying and easy storage. The size measures 24" (length) x 16" (width) x 1.13" (thick).

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Monster
support@monster-tools.com
monster-tools.com

EMITS 1,300 LM WITH FOUR LIGHTING MODES PLUS STROBE

The **Powertac M5** is an everyday carry flashlight that delivers 1,300 lm and offers four lighting modes plus strobe. Its circuitry provides for a three hour run-time on the high power setting. The M5 features Powertac's magnetic and USB recharging technology that can recharge the flashlight from a phone charger without removing the battery. The flashlight is waterproof, impact resistant, and has a 220m range. The product has a lifetime warranty and the rechargeable battery is included.

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MOUNTS TO USER'S WRIST LIKE A WATCH

The **Tech-Life BoomBand Speaker**, No. TL6BM-01, is designed for portability. This speaker mounts to the user's wrist like a watch, connects to a cellphone or mobile device, and provides full-bodied sound at two to three times the volume of the average smartphone, the company says. The built-in microphone lets users take calls right from their wrist without needing to touch their phone. This speaker offers a six to 10 hour battery life, is IPX6 waterproof, and is available in several colors.

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WICKS AWAY SWEAT

The **Dickies Temp-iQ Cooling Tee** was developed with the company's Temp-iQ cooling technology, which is designed to trap cool air inside the yarn and keep it next to the wearer's skin, cooling down the user while wicking away sweat. This tee is made from a soft jersey fabric, and the shirt is ideal for wearing alone or layering under outerwear. This tee is available in 12 colors.

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PROVIDES UP TO 35 HOURS OF HEAT

The **Makita 18V LXT Cordless Heated Jacket** uses Makita 18V LXT and 18V Compact Li-ion batteries to deliver up to 35 hours of heat (with 6.0Ah battery, sold separately). This jacket features a convenient on-board USB power port to keep portable electronics charged. The heated jacket offers three heat settings to adjust to changing weather conditions, and five core heat zones (left chest, right chest, back, and both pockets) for optimal heat distribution. The jacket offers a polyester shell for improved wind and water resistance, stretchy side panels for extra mobility, and a soft fleece interior for extra warmth. The adjustable cuffs have a hook and loop closure for convenience and comfort to provide a better fit.

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TOUCHSCREEN COMPATIBLE FOR USE WITH ELECTRONICS

The **Snap-on D30 Shock Absorber Glove**, No. GLOVE320, features D30 impact protection material throughout the palm, with a 4mm padded heel section, and 2mm pads sewn internally on all fingers. These gloves help absorb impact and vibration. For improved comfort and durability, the palm is reinforced with abrasion-resistant synthetic leather, and the fingertips feature a hot stamp texture. These gloves are touchscreen capable.

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PERMANENTLY MARKS TOOLS TO PROTECT INVESTMENT

The **Ullman Devices Metal Marker** allows technicians to permanently mark their tools, toolboxes, or anything else metal with their name or a unique symbol so they can protect their investment. Using this marker, all technicians need to do is put a stencil on the device, pump the electrolyte, align the Metal Marker with their item, and press the trigger. Within seconds, the item is permanently branded and easily identifiable.

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FEATURED PRODUCT

EXPANDED PROTECTION WHILE MASKING DIRT AND STAINS

The **MicroFlex MidKnight Xtra** offers comfortable, expanded protection while masking dirt and stains for workers. The nitrile disposable gloves feature an extended cuff to provide extra protection over wrist and forearm. The gloves are fully textured for a reliable, consistent grip and are resistant to a range of chemicals, oils, and solvents. The distinctive black color hides the appearance of oils, grease, and grime.

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MICROFLEX®

ADVANCED DISPOSABLE HAND PROTECTION

MicroFlex
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RUBBERIZED TEMPLS FOR COMFORT

The **Galeton Truss Safety Glasses with Anti-Fog Lens** offer polycarbonate safety glasses that feature a soft rubber nose piece and rubberized temples to provide comfort and prevent slippage. The anti-fog, anti-scratch lenses filter 99.9 percent of UV rays and meet the ANSI Z87.1 2015 standard. These safety glasses are available in three lens colors: Clear (No. 13206), Smoke (No. 13207), or Blue Mirror (No. 13208).

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FITS SECURELY ONTO THE BRIM OF A HAT

The **Klein Tools Cap Visor Light**, No. 56402, enables professionals to add light to any hat or cap. Its contoured metal clip is designed to fit securely onto the brim of a tradesperson's hat. Additional features include a pivoting head of up to a 60 degree angle to provide handsfree lighting where needed, five LED lights, and a centered power button to adjust settings from high (125 lm) to low (40 lm).

The light is IP54 dust and water resistant.

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NEW!

ANYWEAR™ NECK LIGHT

INNOVATION AT ITS BEST!

HANDS FREE





LIGHT BEAM
PIVOTS
70°



Patents applied for

FEATURES

- 200 lumens
- Sleek design rest comfortably on neck
- Direct light where you need it
- (2) AA batteries included

NK10



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PERSONAL GEAR



180 DEGREE ROTATING LIGHT BAR

The **Streamlight Stinger Switchblade** is designed to fit into tight spaces, plus it folds in half for easy storage. The Stinger Switchblade is a drop light, a handsfree light, a bright white light (800 lm), and a UV light; plus it has 90 CRI LEDs (600 lm) to better see the color spectrum. The worklight features a 180 degree rotating light bar that aims the beam where you need it. The base includes both a magnet and a rotatable hang hook to cover a variety of tasks.

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TUNED FOR OPTIMAL BASS

The **Tech-Life Boss**, No. TL35BM-00, is a portable Hi-Fi audio speaker that offer a 10-hr battery life, 100' wireless range, power bank, and built-in microphone for hands-free calling and Siri/Google Assistant activation. This speaker offers a rich sound quality tuned for optimal bass, and multi-link pairing technology that enables the product to connect and play wirelessly together with up to 100 additional Boss speakers.



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BRUSHED NICKEL SILVER BOLSTERS

The **Buck Knives 112 Auto Elite Knife** offers a G10 handle with brushed nickel silver bolsters and a clip point blade. The 112 Auto Elite Knife is easily deployed with the push of a button, readying the S30V blade quickly and efficiently. The knife includes a leather sheath for safe carry. It also features a lifetime warranty and is made in the U.S.A.

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DESIGNED FOR USE IN INDUSTRIAL APPLICATIONS

Designed for use in industrial applications, the **SW GraphEx** work gloves offer ANSI A4 and A6 level protection, while providing comfort, tactility, and durability. GraphEx gloves, the company's first cut-resistant product, are made using SW's proprietary AxiFybr yarn, which is 200 times stronger than steel, harder than a diamond, and just one atom thick, according to the company. AxiFybr is 48 percent stronger and 21 percent more cut resistant than the latest HPPE (high performance polyethylene) technologies, yet remains lightweight and flexible.

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WEAR ON NECK FOR HANDSFREE USE

The **E-Z Red Multi-Position LED Neck Light**, No. NK10, offers a sleek, comfortable design that provides 200 lm and has a run-time of up to two and a half hours. The light wears around the user's neck for handsfree use and rotates up and down 70 degrees. The neck light weighs 4.6 oz and includes two AA batteries.

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LARGE ENOUGH TO FIT MOST PHONES

The **Klein Tools Tradesman Pro XXL Phone Holder**, No. 55474, is designed to be large enough to easily fit cell-phones with a protective case. This phone holder fits iPhone 6 Plus, 7 Plus, and 8 Plus, as well as Samsung Galaxy S7, S8, S8 Plus, S9, S9 Plus, Note 7, Note 8, and Note Edge. The phone holder features a metal clip for attaching to belts up to 2", and a magnetic flap closure for added protection. This phone holder is constructed of durable 1680d ballistic weave.

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COMPACT, POCKET-SIZED FLOODLIGHT

The **Snap-on Tools 900 lm Mini Flood Light**, No. ECFD0102, is a compact, pocket-sized flood light that lasts for up to six hours of run-time, providing long-lasting illumination for hard-to-reach locations. The strong magnet bracket, M8 hole for tripod support, and 180 degree swivel base ensure visibility on the job. The Snap-on ECFD0102 is IP68 resistant to water and dust infiltration.

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PUNCTURE AND CHEMICAL RESISTANT

The **SAS Safety Astro-Grip Dual-Sided Scale Grip Disposable Gloves** are powder free, exam grade gloves designed to provide extra-strength puncture and chemical resistance, offering a 7 mil thickness.

The dual-sided texture is well-suited for superior grip of tools while working, and the glove helps improve visibility on the job with its high-visibility orange color. There are 100 gloves included per box.

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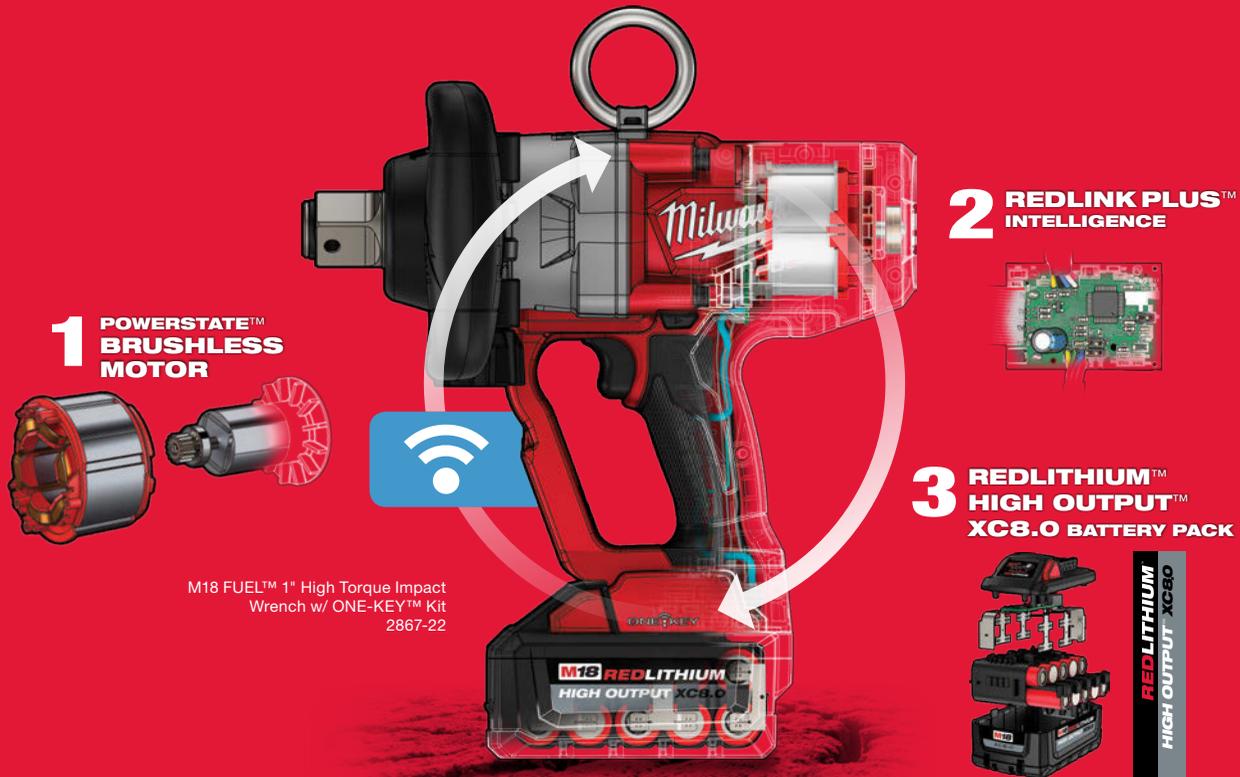




NEW

M18 FUEL™

DRIVEN TO OUTPERFORM.™



**1 POWERSTATE™
BRUSHLESS
MOTOR**



**2 REDLINK PLUS™
INTELLIGENCE**



**3 REDLITHIUM™
HIGH OUTPUT™
XC8.0 BATTERY PACK**



M18 FUEL™ 1" High Torque Impact Wrench w/ ONE-KEY™ Kit 2867-22

UP TO
1,800 FT-LBS
NUT-BUSTING
TORQUE

**ELIMINATES
COMPRESSORS & HOSES**

**MAXIMUM
MOBILITY**

The MILWAUKEE® M18 FUEL™ 1" High Torque Impact Wrench w/ ONE-KEY™ is the first cordless 1" High Torque Impact Wrench. The POWERSTATE™ Brushless Motor delivers up to 1,800 ft-lbs of Nut-Busting Torque and 1,500 ft-lbs of fastening torque, making this the most powerful cordless impact wrench, able to complete the most demanding applications. At only 12.9lbs with battery, the tool is up to 7 lbs. lighter than corded units, providing less fatigue for easier overhead job site applications. The battery-powered impact wrench has cordless convenience and eliminates the need for compressors, and hoses, reducing the cost of ownership. A lack of reliance on cords and hoses allows for greater portability and the ability to complete applications unable to be performed with a corded or pneumatic unit. The REDLINK PLUS™ Intelligence achieves maximum performance and protects the High Torque Impact Wrench against overloads, over-heating, and over-discharge. M18™ REDLITHIUM™ Battery Packs are compatible with all M18™ tools, delivering more work per charge and more work over the life of the pack. The 4-Mode DRIVE CONTROL™ provides greater control over the output speed and power of the powerful High Torque impact wrench. The ONE-KEY™ capabilities allows for Customization, Tracking, and Management of the impact wrench. ONE-KEY™ technology also provides the ability to set a repeatable torque output for maximum control.

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milwaukee.com



M18

**PERFORMANCE DRIVEN
TRADE FOCUSED
SYSTEM WIDE**

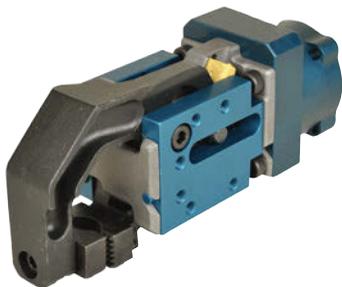
POWER TOOLS & AIR TOOLS



ALSO AVAILABLE IN A 2" EXTENDED ANVIL VERSION

The **Mac Tools 1 1/2" Drive Aluminum Impact Wrench**, No. MPF970501, features 1,100 ft-lbs of reverse breakaway torque and a twin-hammer mechanism for power and longevity. The tool also features a variable-speed trigger for speed control, reverse-bias motor for more reverse torque to remove stubborn bolts, and a variable-valve design for dialed-in speed control. The impact wrench is also available in a 2" extended anvil version, No. MPF970501. The tools are textured with an anti-slip comfort grip.

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FOR HIGH GRIPPING FORCE APPLICATIONS

The **Bimba Pneumatic Gripper System** offers a cam activated, high gripping force solution for handling large and heavy objects in the most demanding environments. The system is comprised of a long-lasting, hardened steel chassis that enables it to withstand hard impacts for maximum component longevity. The gripper locks in a closed position for safety and is easily repairable by using a single wrench, reducing operational downtime and cost. It also has a gripping force of up to 450 lbs at 80 psi, comes with interchangeable pads, and can be configured to meet specific application needs.

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OFFERS 360-DEGREE ADJUSTABLE SIDE HANDLE

The **Ingersoll Rand 1" Pistol Grip Impact Wrench**, No. 2175MAX, is designed to be durable and lightweight for jobs that require extreme torque. This impact wrench offers more than 2,000 ft-lbs of reverse torque and weighs less than 18 lbs. The steel core, hammer case, and steel wear plate are designed to improve durability, reduce downtime, and protect against wear during extreme use. Notable features include

a 360-degree adjustable side handle with ergonomic grip, highly engineered motor design that maintains power during heavy duty applications, chemical-resistant composite housing and steel nose, swivel hose connection keeps hose from getting tangled, and a power regulator to manage tool speed. This product is also available with a 6" anvil to increase accessibility for work in deep tire wells.

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BRIGHT LED FOR ILLUMINATING LOW-LIT WORK AREAS

The **DeWalt XR 1/2" Mid-Range Impact Wrench with Tool Connect System**,

No. DCF896, allows for tool control with its precision wrench and precision tap control features, as well as a variety of additional customizable settings within the tool connect app.

This impact wrench offers up to 2,000 rpm, 3,100 impacts per minute, and a maximum torque of 330 ft-lbs in forward and 600 ft-lbs in reverse. At 6.95" in length and 3.48 lbs, it's a compact choice available in both Hog Ring and Detent Pin configurations. This wrench also features a brushless motor, variable speed trigger, convenient belt clip, and bright LED for illuminating low-lit work areas.

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FEATURED PRODUCT

USE AS AIR HAMMER OR PNEUMATIC SLIDE HAMMER

The **Lock Technology Texas Twister Bidirectional Air Hammer Starter Kit**, No. LT855-AH-SK, allows technicians to convert their air hammer into a pneumatic slide hammer by installing

the included air lock plug and quick release chuck. The kit includes the 7" Seal Remover (855-2A), 7" Universal Flat Blade Puller (855-5A), and 6" Double Male 1/2-20 to 5/8-18 Thread Connector (855-12A). It also includes a 1/4" NPT adjustable brass air flow regulator and has a vibration dampening system for reduced user discomfort and fatigue. The starter kit is ideal for unlimited applications in automotive, aircraft, marine, farm implement maintenance, and manufacturing industries.

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Lock Technology, Inc. /

LTI Tools

800-421-7241

LTItools.com



DELIVERS UP TO 3,000 BPM

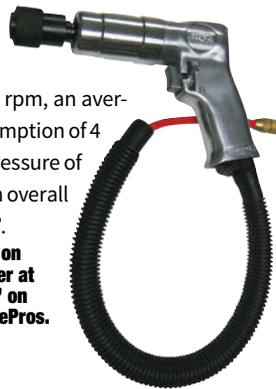
The **ACDelco Li-ion 20V Brushless Two-Speed Hammer Drill**, No. ARK20129, offers a slim and extended body design that positions the brushless motor further back from the gearbox, providing a better balance in hammering mode, the company says. It can deliver up to 3,000 bpm and the load speed can drill at 600/2,000 rpm. The tool features a two-speed metal gearbox housing, variable speed with reversible and electronic brake control precision, 18-mode torque settings, built-in LED, and a battery power indicator.

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SIDE HANDLE FOR IMPROVED GRIP

The **Ascot Supply RPG 1/2" Air Drill** is compact and powerful, weighing 2.86 lbs. This drill features a side handle for improved grip, a 360 degree air inlet, and an exhaust hose. The tool also includes a quick change retainer and a durable, heavy duty, quick-change chuck that delivers a tight, secure clamp. The tool has a chuck size of 1/2", a free speed of 500 rpm, an average air consumption of 4 cfm, an air pressure of 90 psi, and an overall length of 7.5".

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COMPACT FOR USE IN TIGHT SPACES

The **Chicago Pneumatic 1/2" Impact Wrench**, No. CP7748, is designed for power, comfort, and durability, and is suitable for workshop or roadside assistance tasks such as tire changing. This impact weighs 4.4 lbs and delivers 960 ft-lbs of power in forward and reverse. The power ring system allows users to use this impact in tight spaces without having to remove the tool to change direction. The tool features a 360 degree swivel air inlet to improve maneuverability. The curved handle uses rubber material at the back of the tool to improve handling and prevent the tool from slipping through dirty and oily fingers.

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Innovative Tools

VIBROTHERM
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Impact Wrench Series

LOW VIBRATION - LOW NOISE
SHORTER LENGTH
50% MORE LIFE! - PATENT PENDING

1059-VXL 3/8" Compact Impact
1058-VXL 1/2" Compact Impact
700 ft-lb Loosening Torque

1178-VXL 1/2" Impact
1300 ft-lb Loosening Torque

1778-VXL 3/4" Impact
1700 ft-lb Loosening Torque



808 Long Reach Ratchet Series

- 808-15 3/8" 30 ft-lb Maximum torque (15.3" Long)
- 808-15-25 1/4" 30 ft-lb Maximum torque (15.3" Long)
- 808-22 3/8" 65 ft-lb Maximum torque (22.5" Long)



809 Sealed Flat Head Ratchet Series

- 809-SH 3/8" 60 ft-lb Maximum torque
- 809-SH-5 1/2" 60 ft-lb Maximum torque

www.AIRCAT.com



Circle 177 on card, or enter at "e-inquiry" on VehicleServicePros.com

QUICK AND EASY FASTENING

The **OEMTOOLS R2 Rechargeable Speed Ratchets**, Nos. 24493 and 24494, are designed to speed up your work for quick and easy fastening. They are rechargeable and include two 2,000 mAh Li-ion batteries for continuous use for less work interruptions to re-charge. With an internal over-torque protection mechanism, there is less worry about overtightening of fasteners. The R2 Speed Ratchets are lightweight and have a low profile design for tight work areas. The ratchets are available in a 1/2" drive (No. 24493) and 3/8" drive (No. 24494).

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HELPS USER RETAIN CONTROL OF TOOL

The **Ingersoll Rand QX Series Ergonomic Tightening System (ETS)** delivers short pulses of energy into the fastener during tightening to help the operator retain control of the tool. The motor control algorithm is designed to minimize the average force experienced by the operator, helping to protect the user from injury. This tightening system is available on Ingersoll Rand's QX Series cordless fastening tools in pistol and right angle configurations that range from 1.33 ft-lbs to 59 ft-lbs of torque.

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IDEAL FOR TRANSPORT VEHICLES AND LIGHT TRUCKS

The **Hazet 1/2" Impact Wrench Socket Set**, No. 903 Slg6/5, comes with an additional outside hexagon adapter (No. 1003 S-1) and power screwdriver sockets with driver widths of 17mm (No. 903 Slg6-17) and 19mm (No. 903 Slg6-19). The power screwdriver sockets can now also be driven via the included 3/4" hexagon adapter with a 3/4" impact wrench. The outside hexagon attached to the socket with the spanner width of 24mm enables connection to this adapter. These two tools are connected securely with the enclosed safety link pin and O-ring. A plastic coating on the sockets protects the vehicle rims against damage. This tool set is ideal for transport vehicles and light trucks, including the Fiat Ducato or Mercedes-Benz Sprinter.

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COMPACT SIZE TO WORK IN CONFINED AREAS

The **Mighty Seven Mini 90 Degree Air Die Grinder** features a compact size at 4-3/4" in total length to work in confined areas. The unit has a running free speed of 22,000 rpm and a sound level of 84 dBA. It also features a grease port that allows the user to extend life of gears and restore power, as well as a safety lever to prevent premature startup. It is backed by a three-year warranty.

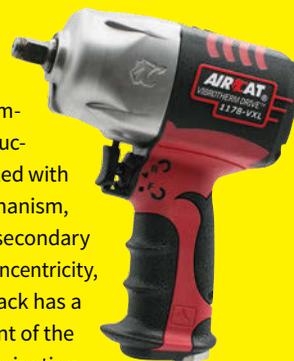
Circle 181 on card, or enter at "e-inquiry" on VehicleServicePros.com

FEATURED PRODUCT

HIGH TORQUE, LOW VIBRATION

The **AIRCAT Vibrotherm Drive Impact Wrench Series** offers a patented clutch that is a hybrid twin hammer/pin-less mechanism with fewer moving parts, reducing vibration and wear. The clutch mechanism is sealed with a front-end plate that retains grease within the mechanism, reducing wear. The rear of the anvil is connected by a secondary spindle to the rotor spline of the motor, guaranteeing concentricity, which also reduces vibration and wear. The motor pack has a through bolt that ensures concentricity and alignment of the rotor, end plates, and cylinder, reducing wear and eliminating internal motor air leaks that can affect power. The series is available in compact 3/8" and 1/2" drives, and 1/2" and 3/4" drives.

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AIRCAT
888-424-7228
aircat.com

FEATURED PRODUCT

DESIGNED FOR DURABILITY

The **Michigan Pneumatic Tool Venom Impact Wrenches** offer technicians a range of powerful and rugged impact wrenches. The Venom line was engineered for performance and designed for durability. The line includes 1/2", 3/4", and 1" drive pistol impacts, in addition to a 1/2" drive angle impact, and offers torque ranges from 180 to 1400 ft-lbs. The lightweight composite design and aluminum clutch housing provide the optimal balance of power and durability. The quiet handle exhaust, textured grip, and easy to operate single-handed fwd/rev slide, make the new Venom line a great set of impacts for professional technicians.

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 **MICHIGAN PNEUMATIC TOOL**

 **VENOM**
AIR TOOLS

**Michigan
Pneumatic Tool**
800-521-8104
michiganpneumatic.com



FEATURES 70 FT-LBS OF TORQUE

The **Snap-on Tools 3/8" Drive Super Duty Air Ratchet**, No. PTR72, features 70 ft-lbs of torque output to remove stubborn fasteners. This ratchet can withstand up to 1,580 ft-lbs of manual torque. The PTR72 offers 275 rpm of free speed for fast removal and installation of fasteners, and its steel wear bushings help reduce ratchet head wear. This tool includes dual pawls for added strength and "stop lock" pins to prevent ratchet pawl lockup. The tool also has a tip valve-style trigger, making it easy to feather for improved control.

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DELIVERS POWER AND SPEED IN A COMPACT SIZE

The **Makita 12V Max CXT Lithium-Ion Brushless Cordless 3/8" Square Drive Impact Wrench**, No. WT05, is ideal for maintenance, automotive, and general use. The impact wrench delivers power and speed in a compact size for fastening and working in tight spaces and overhead applications. It weighs 2.2 lbs and delivers 120 ft-lbs of torque and 210 ft-lbs of nut-busting torque. Its reverse rotation auto-stop mode stops rotation and impact when fastener is loosened adequately, which helps prevent over-loosening and dropped fasteners. The impact wrench is also offered as a kit that includes a charger, batteries, and a tool bag.

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LT855A-18



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ltitools@ltitools.com

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FEATURED PRODUCT

ERGONOMIC DESIGN FOR COMFORT

The **Chicago Pneumatic CP8345 Cordless Angle Grinder** combines efficient performance with a highly ergonomic design that maximizes comfort for end users. The CP8345 is compact and features a thin main grip and tight housing for enhanced handling and ease of operation. The 4.5" wheel size provides up to 8,500 rpm of grinding power, making it ideal for use in body shops, MRO applications, and for technicians working on light and heavy vehicles.



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Chicago Pneumatic
704-794-4325
cp.com/en-us/tools

RECHARGES IN 30 MINUTES

The **Arconic Marson BT-3 Cordless Rivet Tool** is designed to offer a stronger pulling force, longer stroke, and the ability to install larger fasteners. This rechargeable tool features a 3/16" to 1/4" capacity, 1.18" stroke length, 4,600 lbs pulling force, and a recharge time of approximately 30 minutes. The BT-3 includes nose tips for 5/32", 3/16", and 1/4" rivet sizes and is ideal for a wide range of uses including construction, trailer, automotive, and more.



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POWDER COATED STEEL CONSTRUCTION

The **Titan Professional Tools' 5 Ton Hydraulic Cable Crimper** features powder coated steel construction and a crimping force of 45kN. The hexagon cable crimper includes nine hardened-steel die sets ranging from 4-70mm² and has a crimping stroke of 12mm. The tool also has vinyl-dipped grips for non-slip use and a on/off retractor knob.

Circle 190 on card, or enter at "e-inquiry" on VehicleServicePros.com

DELIVERS 2,500 FT-LBS OF TORQUE

The **Michigan Pneumatic 1" Impact Wrench**, No. MP-2740-ST impact wrench is designed for truck tire maintenance and repair, off-road construction equipment, and industrial maintenance operations. Features include 2,500 ft-lbs of torque, a friction ring and thru-hole anvil, fast rundown, and an adjustable dead handle. Available with a 6" (No. MP-2740-ST-6) or 8" (No. MP-2740-ST-8) extended anvil.

Circle 191 on card, or enter at "e-inquiry" on VehicleServicePros.com



REACHES 15,000 RPM OF FREE SPEED

The **Ingersoll Rand 3/8" Impact Wrench**, No. 2115QXPA, is designed to help technicians quickly complete everyday jobs in tough environments. The 2115QXPA is ideal for work on passenger vehicles including interior car bolting applications, side panel repairs, and engine work. The impact wrench reaches 15,000 rpm of free speed and 300 ft-lbs of max reverse torque. It also features chemical-resistant composite housing, swivel hose connection to prevent tangling, steel twin hammer mechanism, and a steel-lined hammer case. The tool weighs 2.5 lbs.

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RAPID MATERIAL REMOVAL

The **AIRCAT 2.3 HP 5" Heavy Duty Angle Grinder**, No. 6380, features a 2.3 HP motor to provide rapid material removal and non-stall operation. The grinder contains a spring and steel ball throttle valve to ensure long life, reliability, and zero air leaks, the company says. The tool has a spindle lock feature that allows for faster wheel changeovers, as well as a rotational rear exhaust with internal silencing to reduce noise levels to 87 dBA. The vibration damped side assist handle provides the operator comfort with a low vibration level.

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BUILT-IN LED ILLUMINATES WORK AREA

The **Makita 12V Max CXT Li-ion Cordless 1/4\"** Impact Wrench, No. WT04R1, offers up to 2,600 rpm for a wide range of fastening applications. This motor delivers 44 ft-lbs of max torque, an ultra-compact design at only 6-3/8\" long, and weighs 2.3 lbs with battery for reduced operator fatigue. A built-in LED illuminates the work area, and an ergonomically designed handle with rubberized soft grip improves comfort. This impact is suitable for working in tight spaces and overhead applications.

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BUILT-IN LED AND BATTERY POWER INDICATOR

The **ACDelco Li-ion 20V Brushless 1/2\"** Impact Wrench, No. ARI20156, offers an advanced brushless motor that delivers 320 ft-lbs of reverse torque and 205 ft-lbs of tightening torque. The entire tool weighs 2.86 lbs, allowing users to sustain daily work efficiently without becoming fatigued. The ARI20156 features metal gear-box housing, variable speed with reversible and electronic brake control precision, rubber boots, built-in LED, and a battery power indicator.

Circle 196 on card, or enter at "e-inquiry" on VehicleServicePros.com



HIGH POWER IN A COMPACT PACKAGE

The **Snap-on Tools 14.4V 3/8\"** Drive MicroLithium Quick Change Cordless Impact Wrench, No. CT761AQC, offers improved power in a compact, lightweight package. With its 60 ft-lb torque output and 2,500 free speed rpm, this wrench weighs 2.5 lbs, allowing techs to better maneuver in tight, hard to reach spaces. The tool features over-current and thermal protection for the motor and three built-in LEDs to allow illumination of the work area.

Circle 194 on card, or enter at "e-inquiry" on VehicleServicePros.com



TRIGGER-ACTIVATED LED

The **Mac Tools High Performance 1/2\"** Drive Air Impact Wrench, No. MPF990501, offers a proprietary anvil forging process designed for long anvil life. This impact wrench features a removable and rechargeable trigger-activated light (charger included), variable-speed trigger for speed control, valve-lever designed for easy speed adjustment, and forward handle design for comfort and balance. The compact magnesium housing provides lightweight durability, and a muffler pad helps provide noise reduction. This tool weighs 4.8 lbs and is 6.4\" long.

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FEATURED PRODUCT

LOW PROFILE FOR USE IN TIGHT AREAS

The **SP Air Low Profile Hex Bit Driver**, No. SP-7250H, is lightweight and features a sealed head with low profile for use in tight areas. The driver can be used with any 1/4\" drive bit and has an easy-to-use thumb lever for forward and reverse operation. It also features a patented 360 degree rear exhaust. Overall length is 8\" and weight is 1.5 lb. The tool uses 2.5 CFM, and has a free speed of 290 rpm and a maximum of 25 ft-lbs of torque.

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SP Air Corporation
(614) 529-6600
spairusa.com

SHOP EQUIPMENT, STORAGE, & SUPPLIES



REVERSIBLE RAIL DESIGN

The **GEARWRENCH Space Saver Wrench Racks** have a reversible rail design that provides up to 30 percent space savings, the company says. These racks are made with reinforced composite material and accommodate universal sizes (SAE up to 1", Metric up to 25mm). Two-piece sets are available as a 13-wrench rack set (No. 83120) and a 16-wrench rack set (No. 83121).

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PATENTED DRAWER INTERLOCK SYSTEM

The **Versatility 6-Drawer Mechanics Rolling Workstation, No. VT-42000**, is designed to get tools close to the job while providing a large, stable work surface. The Mechanics Rolling Workstation features a lockable high capacity side cabinet with adjustable shelf. The item has a 150-lb drawer weight capacity with foam inserts that can be customized for technicians to organize tools, gauges, and instruments. It also features a patented 1-at-a-Time drawer interlock system that allows only one drawer to be opened at a time.

Circle 201 on card, or enter at "e-inquiry" on VehicleServicePros.com

AUTOMATE AND REGULATE FLUID DISPENSES

Graco's Pulse FC Fluid Control System is designed to provide service operations with accuracy and control to automate and regulate fluid dispenses for optimal accountability. This wireless system utilizes the company's SD Series preset meters. With a Pulse FC system starter kit, users can easily convert their SD preset meters to Pulse FC and gain additional control of their fluids. The Pulse FC system's software allows for reporting, providing users with the analysis needed to make informed decisions about scheduling, inventory, and pricing. This gives transparency from the service bay to the back office, allowing decision makers to know what's happening.

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FIXED MOTORIZED OVERHEAD HOSE REELS

The **JohnDow EuroVent Heavy Duty Motorized Hose Reel System, No. CAR-8HD**, was developed for use with diesel trucks, aircraft ventilation, military vehicles, marine applications, heavy equipment, and municipal vehicles. This system is a fixed motorized overhead hose reel that is customized to each facility to meet its requirements, budget, and timetable. The system features a 36" drum holding 35' of 8", 600- to 1500-degree temperature rated hose. Additional features include a hanging control pendant, and single-phase 120V and UL508 compliance.

Circle 200 on card, or enter at "e-inquiry" on VehicleServicePros.com

FEATURED PRODUCT

PROVIDES SOLID, RELIABLE LIFTING POWER

The **Bosslifts AJ2 Air Jack by Herkules** offers a compact, lightweight, yet powerful tool for raising, supporting, and positioning vehicles. The AJ2 provides reliable lifting power using only 90-100 psi. Capable of lifting up to 4,500 lbs to a raised height of 13", the AJ2 has a closed height of 6-1/2". The pneumatic air jack offers additional lifting options, with both 2" and 4" extensions available, along with a pinchweld adapter.

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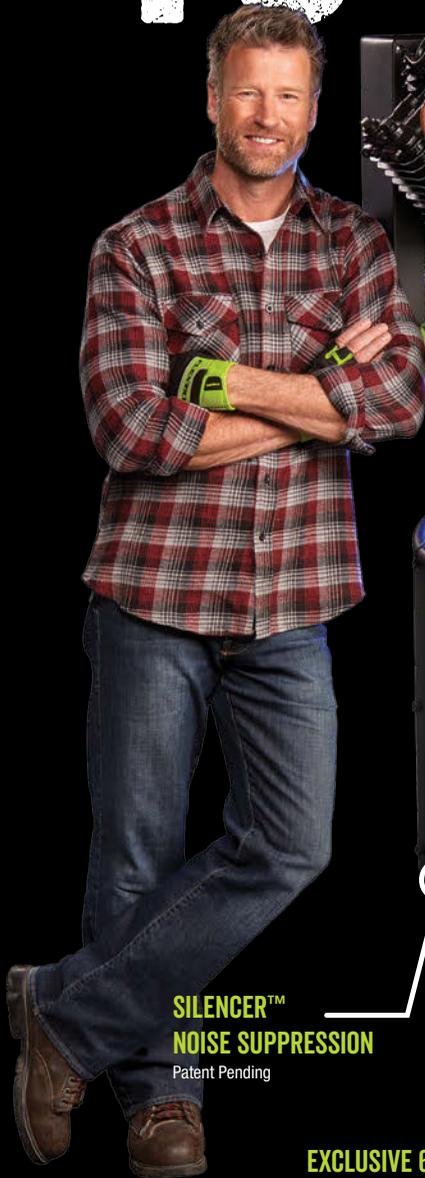


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SHOP EQUIPMENT, STORAGE, & SUPPLIES



ERGONOMIC DESIGN AND SAFETY-ENHANCING FEATURES

The **Hofmann Monty 1675 Swing Arm Tire Changer** offers a compact design and easy setup for handling passenger cars, light trucks, and high-performance wheel and tire assemblies. The tire changer features the patented smartSpeed technology, which minimizes risk of damage to tires. This technology also optimizes the torque applied to the wheel and automatically sets the maximum rotation speed of the wheel. The 1675 offers variable speeds from seven to 18 rpms for maximum productivity. It also has an integrated pressure limiter that helps stop air flow once pressure has reached 55 psi, preventing accidental tire over-inflation.

Circle 204 on card, or enter at "e-inquiry" on VehicleServicePros.com

DESIGNED FOR SMALL COMMERCIAL OPERATIONS

The **Ingersoll Rand Next Generation R-Series Compressors** are designed specifically for small commercial operations. The series includes two compressors in the line: RS11-22kW and RS15-22kW. The RS15-22kW unit is available with a fixed-speed or variable speed drive (VSD) motor. This model debuts a new airend design that produces 20 percent more airflow compared to previous Ingersoll Rand compressors of this capacity, resulting in more energy savings. The RS11-22kW unit houses a redesigned cooling system and increases energy efficiency up to 12 percent compared to the company's UP6 compressors.

Circle 205 on card, or enter at "e-inquiry" on VehicleServicePros.com



PORTABLE TOOL BOX WITH DRAWERS

The **Beta Tools Tool Trolley + 108-pc Tool Set**, No. C27S-5927VU/M, is designed to keep technicians' tools organized and easy to haul. The tool trolley collapses for easy transportation or storage. The pull-out drawers contain foam trays organizing combination wrenches, screwdrivers, pliers, hex keys, 31-pc bit set, hammer, center punch, chisel, 13-pc 1/4" drive metric socket set, 1/4" universal joint, 1/4" drive handle, 1/4" swivel T-handle, 16-pc 1/2" drive socket set, 1/2" universal joint, 1/2" wobble extension bar, and 1/2" swivel T-handle.

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FEATURED PRODUCT

USES LOW RPM PUMPS AND MOTORS TO REDUCE NOISE LEVELS

Legacy Manufacturing Flexzilla Air Compressors are designed to operate quietly in the workspace. These compressors feature the company's Quiet Technology, which uses low rpm pumps and motors that reduce high frequency noise levels while increasing CFM output. They also feature the Silencer, a patent pending noise suppression system that reduces low frequency noise levels. Flexzilla Air Compressors operate at a noise no louder than a normal conversation.

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Legacy Manufacturing
800.645.8258
flexzilla.com/quiet



TRANSPORT HEAVY DUTY TIRES

The **JohnDow Tire Taxi HD**, No. JDI-TT1-HD, is designed to allow technicians to transport larger wheels and tires in an efficient and safe manner. The HD Tire Taxi has a diameter of 33" and is designed with 4" industrial casters to maneuver over rough, uneven surfaces. One of the casters can be locked for safe storage. The HD Tire Taxi holds four heavy duty wheels and tires with a load capacity of 552 lbs.

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BendPak endorses **Lifting It Right**, the ONLY training program developed by industry safety watchdog Automotive Lift Institute (ALI) and based on more than 70 years of experience in protecting technicians.

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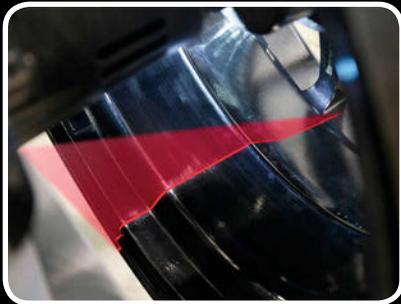
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 **Ranger**



MULTI-LEVELLED DUCTILE IRON COLUMN FOR HEIGHT ADJUSTMENT

The **Ascot Supply Co. RPG 22-Ton Jack Stands** are designed for safety and strength, and are built with a multi-levelled ductile iron column for height adjustment. For additional strength and durability, each jack stand is built with a hardened steel support rod and also a wide base for added stability and support. The jack stands are sold in pairs of two, and are used in pairs for supporting trucks, trailers, and equipment in fleet garages, agricultural, industrial, and construction environments. The minimum height is 13-3/8", maximum height is 19-5/8", base size is 9-7/8" by 9-7/8", and shipping weight is 63.3 lbs.

Circle 211 on card, or enter at "e-inquiry" on VehicleServicePros.com

FEATURED PRODUCT

FULLY ADJUSTABLE RETURN SPEED

The **Macnaught USA Retracta R3 with RACR** (Retracta Adjustable Control Return) is a hose reel with fully adjustable return speed for increased safety. The patented RACR system utilizes an adjustable hydraulic clutch that allows the user to set the speed of return to meet individual requirements, protecting personnel and equipment. The R3 with RACR is easy to adjust with a screwdriver and features a texture-rolled carbon spring for improved service life. The unit comes standard with overrun protection, a safe tensioning mechanism, and provides hose capacity up to 65'.

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Macnaught USA
813-628-5506
macnaughtusa.com



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Part# HPL201

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SHOP EQUIPMENT, STORAGE, & SUPPLIES



SUPPORT RAISED VEHICLES AND EQUIPMENT

The **Stertil-Koni Axle Support Stands** are designed to support raised vehicles and other types of equipment. These stands are intended for use in sets of two, four, six, or eight stands. Stands should be used on a firm, level surface and contact the raised load at the locations recommended by the vehicle/equipment manufacturer. These stands are available in folding or fixed frames, with capacities from seven to 18 tons per stand. The ergonomic design helps promote workplace safety. All stands over 36" tall include a spring in the support tube to minimize the risk of hand pinching. All models include a pin lock with keeper attached to a stand with steel retainer cable. Various contact adapters are available.

Circle 214 on card, or enter at "e-inquiry" on VehicleServicePros.com

HIGHER FLOW, IMPROVED ERGONOMICS, AND ROBUST DURABILITY

The **Graco Inc. SD Series Upgrade** features higher flow, improved ergonomics, and robust durability to its premium line of SD Series electronic meters. The user can choose from manual or preset models with max flow of eight or 18 gpm. With a Pulse FC starter kit, users can convert SD preset meters to the Pulse FC Fluid Control system. Graco's new SD Series meters also feature upgraded electronics with a large, high-contrast LCD screen that allows viewing of dispense amounts in all lighting conditions. The ergonomically-enhanced recessed button pad and four-finger trigger reduce technician fatigue, enabling them to meet the fast-paced needs of a service shop.

Circle 215 on card, or enter at "e-inquiry" on VehicleServicePros.com



EXTENDED RAISED HEIGHT

The **AMGO MR06 Mid-Rise Scissor Portable Lift** is an ideal choice for low ceilings or adding a bay for seasonal increases in business. It provides a good working height for tires, brakes, and body repairs. The quick setup time and extended raised height makes the MR06 optimal for those shops that demand speed and quality in their lifting equipment.

Circle 216 on card, or enter at "e-inquiry" on VehicleServicePros.com



ALLOWS INDEPENDENT REAR DUAL WHEEL ROTATION

The **Quality Stainless Products (QSP) Tire and Wheel Lift**, No. LM-350, is designed for the heavy duty service industry. Tire and wheel assemblies can weigh as much as 350 lbs, making them difficult for one person to mount and demount. The LM-350 offers an off-center column design that helps improve access to lug nuts, wheel balancers, and tire changers. This unit offers variable speed control for raising and lowering wheel assemblies safely. The dual rollers are designed to allow independent rear dual wheel rotation.

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FEATURED PRODUCT

OUTDOOR RETRACTABLE EXTENSION CORD REELS

Alert Stamping & Mfg. offers two **Weatherproof Outdoor Reels** that are both NEMA 3R rated and bring power to vehicles for engine block heaters, on-board equipment charging, avionics, and HVAC. Both units, Nos. 5320T-SW and 5330M-SW, are outdoor weatherproof retractable extension cord reels with 20' or 30' SJTOOW cord lengths.



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Alert Stamping & Mfg.
800-400-5020
alertstamping.com



FOR INDOOR AND OUTDOOR USE

The **Reelcraft Series L NM400 Cord Reels** are NEMA 4 rated and designed for indoor and outdoor use. The reels include a guide arm that is adjustable every five degrees over a 270 degree arc, allowing for the exact configuration to suit a wide range of applications. The containerized drive spring allows for safer, easier handling during maintenance. The heavy duty cast aluminum design and yellow powder coat finish help make this a rugged, corrosion-resistant product.

Circle 219 on card, or enter at "e-inquiry" on VehicleServicePros.com

ELEVATED AND CONTOURED HEAD REST

The **Carlyle Tools Heavy Duty Creeper with Parts Tray**, No. 815-1341, is designed with the professional in mind. This creeper offers a low 1.5" ground clearance, 20" extra wide bed that fits most body sizes, ergonomic design to improve comfort, and supports up to 500 lbs. This creeper keeps the user's head supported with its elevated and contoured head rest. A convenient parts storage tray is included and snaps onto the frame of the creeper. An optional wall hanger and LED light are also available.

Circle 220 on card, or enter at "e-inquiry" on VehicleServicePros.com



ORGANIZES, STORES, AND CHARGES UP TO EIGHT BATTERIES

The **Streamlight, Inc. 18650 Battery Bank Charger** is designed to help first responders, industrial technicians, and other users maintain and charge up to eight Streamlight 18650 USB rechargeable lithium-ion batteries. The charger features an eight-bay design with each bay having its own LED display above the battery slot to indicate charge status. It securely holds each battery in place, and its low-profile design allows for it to be mounted in trucks and other service vehicles. The Battery Bank Charger is powered by either a 120V AC or International power supply wall adapter or a 12V DC charger.

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- Shop Cranes
- Shop Presses
- Surface Mounted Lifts
- Transmission Jacks
- Truck Air Jack Stands
- Truck Component Jacks
- Vehicle Support Stands
- Wheel Dollies
- Wheel Lift Systems



U.S. Patents 6,634,461 • 7,014,012 • 7,219,770 • 9,334,145 • 9,352,944
 • RE41554 • 9,593,000 • 9,656,843 • 9,679,421 • 8,282,075
 Canadian Patent 2,406,340



800.821.7320 / www.grayusa.com



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KEEPS TENSION OFF BRAKE LINE

The **Lisle 2-pc Brake Caliper Hanger Set**, No. 48020, is designed to hang the disc brake caliper out of the way during service while keeping tension off the brake line. This product helps prevent damage to calipers and lines when servicing brakes, suspension, hubs, and more. This product has an overall length of 9" and comes in a set of two hangers.

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LIFT UP TO 10,000 LBS

The **AMGO PRO-10A four post commercial lift** combines performance and safety. The lift works well for repairs, tire services, and wheel alignments in commercial service shops. The PRO-10A four post lift is able to lift up to 10,000 lbs.

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EASY ACCESS TO SMALL PARTS

The **Mueller-Kueps Magnetic Parts Bowls**, No. 905 007, store small parts, such as nuts and bolts, while working on a car. The durable bowls feature a rubber coated magnet that makes it easy to use the bowls horizontally or vertically. One can hang the parts bowl from the car, hoist, or place it on their cart without scratching the surface. The bowls are available in neon green, neon orange, gray, or dark blue.

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FEATURED PRODUCT

INDUSTRIAL CEILING FAN BUILT FOR HARSH CONDITIONS

The **Big Ass Fans Powerfoil X3.0**

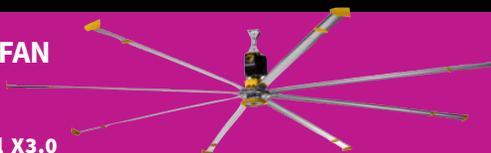
industrial ceiling fan offers comfort to workers to stay productive and ahead of exhaustion. Purpose-built for harsh conditions, it efficiently cools workers suffering under oppressive heat and humidity. The Powerfoil X3.0 improves indoor air quality and safety by dissipating fumes, vapors, and process heat, and accelerating the evaporation of condensation from floors and equipment.

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BIG ASS FANS

Big Ass Fans
844-405-7098
bigassfans.com



RUGGED AND IMPACT RESISTANT

The **Power Port Products LED Work Light** is a versatile handheld light that is rugged and impact resistant. The light has a built-in 15A grounded outlet in the handle which doubles as an extension cord to avoid draping cords all over the shop. Both ends feature 360 degree ratcheting hooks that are ideal for under the hood work and going hands-free. The LED Work Light is available in both 25" and 50" models.

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360 DEGREE ROTATION

The **OEMTOOLS 1,250 lb Rotating Engine Stand**, No. 24846, securely holds most engine configurations, making it ideal for engine work or storage. The Heavy Duty Worm Gear provides 360 degree rotation, allowing access from any angle. The mounting arms are adjustable to fit most engines, while the folding legs make for easy storage. Constructed from tubular steel, the engine stands are durable with superior accessibility.

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RUBBER HOSE CAN WITHSTAND OIL, GREASE, AND WATER

Prevost Open Drum Hose Reels are intended for professional use and available in a range of sizes and hose lengths. The rubber hose can withstand oil, grease, water, and harsh conditions. The hose reels can be paired with any PrevoS1 safety coupling and are sold with a fixed or optional 140 degree swivel bracket allowing it to be mounted to a wall or overhead. A stop catch locks the hose at the length needed for work, and by gently pulling on the hose, the return spring automatically winds the hose back into the reel.

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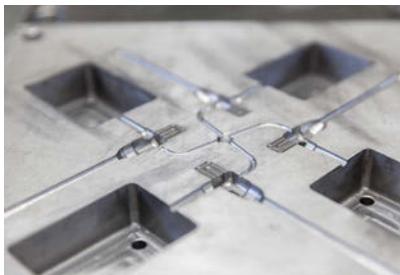




EASY TO TRANSPORT

The **Power Port Products Heavy Duty Steel Air Hose Reel** is designed for heavy use, while remaining easy to transport. The reel features a heavy gauge steel drum and frame, which are both powder coated to prevent rust and corrosion. It's complete with a built-in airtight full flow swivel fitting and up to 150' of air hose. The air hose is included with the reel and comes in various materials, lengths, and sizes to meet users needs.

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LIQUID RUST PREVENTATIVE

The **Cortec EcoAir Tool & Die Rust Preventative** is designed to meet the needs of mold, tool and die manufacturers, and end users by protecting tool steels during shipping, storage, and transportation. The liquid rust preventative comes in a non-flammable spray can and is safer to store than traditional flammable aerosols. It cleans grease, oils, adhesives, and water deposits off metal surfaces, as well as preserves all types of carbon or alloy-based tooling, molds, fixtures, and dies up to 24 months indoors.

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OFFERS 8" TOUCHSCREEN COMMAND CENTER

The **Mastercool COMMANDER4000 Automatic R-1234yf and Hybrid Recover Recycle Recharge Machine** features an 8" color touchscreen command center with a graphic interface that enables navigation through all functions and features with ease. It incorporates a Windows based tablet and Wi-Fi capability for real time, interactive communication to allow their technicians to access any machine to aid with any troubleshooting issues. The COMMANDER4000 also features a refrigerant identifier, hose flushing for servicing hybrid vehicles, a visual indicator light, on-board conversion calculator, and a refrigerant database.

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INTUITIVE, EASY-TO-OPERATE SOFTWARE

The **John Bean V2380 Wheel Alignment System** features the company's XD target and camera system and offers an intuitive, easy-to-operate software. Notable features include: high resolution cameras that produce accurate, live alignment reading and diagnostic data; camera beam that automatically follows as the vehicle is raised by tracking the targets; video speed cameras that constantly monitor the alignment and provide critical information to help ensure the job is done right; and a new user interface that streamlines workflow for enhanced productivity. The system also offers a touchless AC400 wheel clamping system, patented cross-diagonal and rolling radius, and EZ-toe that eliminates the need for a steering wheel holder.

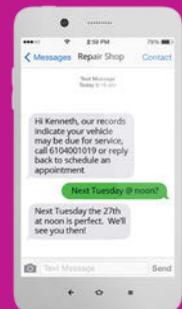
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FEATURED PRODUCT

DELIVERS COMMUNICATION ADVANTAGES

The **BOLT ON TECHNOLOGY Pro Pack** delivers efficiency and communication advantages to automotive repair shops looking to solve the challenges of low car count, modernized professionalism, and ineffective processes. By using advanced appointment scheduling, text messaging, modernized repair orders, and in-depth business reporting, your shop can now book an appointment for all routine maintenance, send automated reminders, and better monitor the performance of your shop and customers.

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TP-16-3SA

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7,000 through 30,000 lb. capacities with 25 year structural warranty.



TR-25

FOUR POST RUNWAY LIFTS

19,000 through 120,000 lb. capacity models give complete under vehicle access.



Shown: MP-18
Accessory
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**ADJUSTABLE
HEIGHT AND WIDTH**

The **K Tool International Work Tables**, Nos. KT179750 and KT179755, feature non-skid tips on the legs and are easy to adjust, both in height and width, to accommodate most vehicles. The KT179750 holds up to 500 lbs and offers an adjustable width of 23" to 43" and adjustable height from 29" to 34". The KT179755 holds up to 750 lbs and can adjust in width from 20" to 36" and raise from 31" to 41". Both are made of steel with a red powder coat finish.

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**COMPACT AND VERSATILE
LIFTING SOLUTION**

The **John Bean 12K 4-Post Alignment Lift System** offers 12,000 lbs of heavy duty capacity in a compact package. The lift system features 20.5" wide "Pro-Style" runways for loading vehicles of narrow to wide track widths and 81.6" long-rear slip plates so re-positioning of the front turn plates is not needed. It also offers an ultra-low profile design that allows an easy-on approach for low ride height vehicles, as well as a closed front design to maintain a steady and ridged lift for accurate alignment measurements.

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**EASILY REMOVES AND
INSTALLS DPF/STEP
HOUSINGS**

The **Omega DPF/Step Housing Handler**, No. 46500, allows technicians to remove and install DPF/Step Housings. The patent pending design makes for easy mobility and has a capacity of 500 lbs. The unit can adjust from 8-5/8" to 33-1/2" in height and has an adjustable saddle width that extends from 31-1/8" to 43". It also features a foot pump that doubles as a hand pump and comes with two ratchet straps.

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**CLEANS COMBUSTIBLE DUST,
POWDERS, AND CHIPS**

The **Guardair Corporation Personnel Cleaning Station NED**, No. CS3000NED, is constructed from electrically conductive components that suppress the buildup of static charges, offering a safe alternative to the dangerous practice of self-cleaning with air guns in the presence of combustible materials. The unit features a 5.5-gal static conductive container and can be mounted on a wall or other vertical surface. The non-electrical discharge (NED) version offers a static conductive vacuum hose and on-demand air-agitator brush attachment.

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5 MICRON RATING

The **Walmec 5 Micron Compressed Air Filter** provides point of use filtration of liquids, oils, and other contaminants. This two-stage filter is designed to operate most effectively when placed near the point of use. It has a 5 micron rating and is available in sizes with flow ranges of 15 SCFM to 250 SCFM, as well as pressure ratings of up to 250 PSI. It has a permanently mounted differential pressure gauge and comes with mounting brackets. The 5 Micron Compressed Air Filter is ideal for a large variety of applications including surface preparation, paint spraying, powder coating, air powered tools, and pneumatically operated equipment.

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FEATURED PRODUCT

AVAILABLE IN FOUR DIFFERENT PROFILES

The **Prevost PrevoS1 Quick Safety Coupling** combines technology and reliability that is safe and easy to use. To quickly change tools, simply press the button one time to disconnect with no risk of hose whip. When paired with a Prevost plug, it is guaranteed leak free for three years. The non-scratch composite body is available in four different profiles, is ergonomic, and constructed of static-free material; this coupling is ideal for any shop application.

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THE REVOLUTIONARY CEMB® ARGOS® TOUCHLESS 4-WHEEL ALIGNMENT SYSTEM ACQUIRES MEASUREMENTS IN JUST 5 SECONDS!



HOW IT WORKS

ARGOS® InstaVision uses a patented* structured light 3D scanner system to project invisible laser patterns onto all four wheels. Each wheel is measured with pin-point accuracy in space to determine camber and toe values to a level of accuracy and repeatability never before available.

Determining the exact angle of each wheel in relation to the others, gives the 4-post stationary system its ability to calculate with extreme accuracy. Picture perfect measurements are guaranteed.

*Patent US9791268B2 (other patents pending)

FAST. ACCURATE. MORE ALIGNMENTS PER DAY = MORE PROFIT DOLLARS!

- Instantaneous 5-second measurements
- All measurements without leaving the vehicle
- No wheel clamps or electronics at the wheels
- No opportunities for operator error
- No moving parts
- Automatic self-calibration



ARGOS InstaVision Alignment System



ARGOS InstaCheck Alignment System

CEMB® USA
www.cemb-usa.com

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FEATURED PRODUCT



HELPS IMPROVE RIDE QUALITY

The **CEMB HubMatch RFV Wheel Balancer, No. ER75TD**, combines balancing features with an on-the-car mounting finish balancing process for improved ride quality. HubMatch RFV (Radial Force Vectoring) uses an OEM-best process recommended on-the-car mounting process to provide improved ride quality without requiring extra time from the operator. The company says this balancing process uses up to 45 percent less investment cost than other RFV wheel balancers.

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CEMB USA
BALANCING MACHINES

CEMB USA
678-717-1050
cemb-usa.com

COMPRESSORS THAT PROVIDE 175 PSI

The **Jenny Products Electric Two-Stage, Vertical-Tank Stationary Air Compressor Line** is suited for applications requiring greater pressure. The line of 16 models provides 175 psi and displace between 9.1 and 43.6 cfm. Each model uses a heavy duty, two-stage cast-iron pump, and powder coated ASME certified tank. A large flywheel provides for extra-cooling and easier startup, while unloading valves further assist the motor in starting. A directional air shroud helps reduce pump temperatures, and a thermal-overload protection feature prevents the motor from drawing too much current and overheating.

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STAINLESS STEEL AND ABRASIVE NYLON BRUSH HEADS

The **Innovative Products of America Flow-Thru System with Brush and Venturi, No. 8091**, features stainless steel and abrasive nylon brush heads, as well as a venturi that attaches to an ergonomic, anodized-aluminum handle with integrated flow-control valve to clean, restore, and apply solvents under pressure. This system offers improved cleaning action in a parts-washing sink or portable cleaning anywhere air supply is available. This tool is ideal for applications including parts washing, degreasing, on-engine cleaning, fluid evacuation, and more.

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DESIGNED FOR LOW-CEILING GARAGES

The **BendPak GrandPrix Two-Post Lift** is designed for low-ceiling garages. With an overall width of just over 10', this lift saves space and fits where other lifts don't, the company says. Users can choose from three models, so garages with ceilings as low as 9' can comfortably hold the model that's right for them. The GrandPrix has full ALI certification and offers a five-year warranty.

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OFFERS CENTRALIZED LOCKING SYSTEM

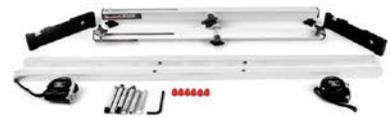
The **Beta Tools Endurance Workbench**, No. C59A, has a built-in tool storage cabinet with six drawers. The drawers are on ball-bearing slides, and there is a centralized locking system. The cabinet and bench construction are steel, and the workbench top is made from a durable wood multi-ply material that has a laminated top. The worktop also has holes for mounting the company's 1599/125 Vice. There is an open shelf on the bottom of the workbench that allows storage for larger items. The C59A is available in orange, red, or gray.

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DESIGNED TO TOW, MOUNT, OR HANG

Master Magnetics' 3-in-1 Magnetic Sweeper with Quick-Release is designed to tow, mount, or hang, and works over any terrain. The magnetic sweeper provides a fast cleanup, reduces the risk of injury and property damage, and reclaims the use of metal components that it retrieves. It is available in five widths ranging from 48" to 96".

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FEATURES FIXED DIGITAL GAUGE SYSTEM

The **QuickTrick 4th Gen Series Wheel Alignment Systems** are designed for simplicity, and can measure caster, camber, and toe on any hard surface with 0.01 percent accuracy, the company says. The complete kit offers an improved wheel fit and strengthened gauge reading accuracy while attached to the wheel. The lightweight design allows for better grip on the inner and outer rim, and has a fixed digital gauge system. Notable features include aluminum frames, dual-digital gauges, and handsfree measurement all stored in a convenient all-in-one carrying case. Optional features such as the pick three systems allow for customization with additional accessories.

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FLEXIBLE, NON-SLIP TOOL TRAYS

Grypmat flexible tool trays feature a grip that will keep your tools from sliding off almost any surface you work on. The trays are heat resistant up to 500 degrees F and resistant to harsh chemicals. When the job is done, clean with soap and water.



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PROPERLY INFLATE A NEW OR USED TIRE THAT HAS A LARGE GAP BETWEEN THE TIRE BEAD AND WHEEL

The **OTC Tire Bead Seater**, No. 5713, is a time-saving tool for technicians looking to properly inflate a new or used tire mounted on a wheel with a large gap between the tire bead and wheel. The air trigger expels a burst of compressed air from within the ASME certified 13-gal tank that inflates the tire to seat it on the wheel rim. This allows the tire to be inflated to the recommended pressure through the tire valve. The OTC Tire Bead Seater can be used on a variety of wheel configurations and will even allow seating of a tire with a gap as large as 5".



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FEATURED PRODUCT

COOLS LARGE COMMERCIAL AND OPEN SPACES

The **Portacool Jetstream Portable Evaporative Cooler Series** is designed to combine an "impressive" airflow with Kuul Comfort evaporative media that is made in the U.S.A. exclusively for Portacool products. This series is designed to help improve comfort and cool larger commercial and open spaces

from 700 to 5,625 sq. ft.

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portacool.com



DEEP TOP STORAGE COMPARTMENT

The **K Tool International Tool Cart Locking Drawer**, No. KT175146A, is a 600-lb capacity shop cart that provides tool organization. The cart features 5" heavy duty swivel casters for easy maneuverability, and bumpers on all four corners for extra protection. Its lockable components provide security for the user's tools, and the deep top storage compartment features a gas strut lid for easy opening and closing. There are two small, one medium, and one bottom steel drawers for roomy storage and maximum efficiency. A low-level bottom shelf offers easy storage for oversized items.

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FOR USE IN OXY OR FUEL WELDING

The **Hannay Reels 2400 Series Welding Reels** are available with manual or power rewind. These reels are designed to handle twin 1/4" through 3/8" welding hoses and may be used in oxy or fuel welding. Manual rewind reels are supplied with pinion brakes, while power reels do not come with brakes. The reels handle pressures up to 300 psi, and temperatures from -40 degrees F to 200 degrees F. The reels feature a chain and sprocket drive powered by an electric gear motor.

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TOOL STORAGE BUILT FOR TRUCKING

When it comes to your tools and maintenance areas, **RELY ON THE BEST.**

Tool & Parts Drawers
Feature 400 lb. capacities



Work Stations can be customized to your needs



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DESIGNED FOR LOW CEILINGS

The **AMGO BP-9X Baseplate Lift** is a baseplate two-post lift designed for low ceiling shops. The total column height of 111-7/8" allows this lift to be installed in almost any professional or home garage with a ceiling as low as 9' 6".

The BP-9X features symmetric arms and automatic arm restraints. The BP-9X also has a single point release switch to make it easier to unlock both column locks from one column.

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SPEAKS **SOFTLY** & CARRIES A BIG PUMP



7.5 HP
Low-RPM Motor



Asymmetric
Rotary-Screw



80
Gal
ASME
Certified Tank

FREE



Anti-Vibration Pads



RS7580V-601
MSRP \$3,735



Hush Quiet[™] Vertical Rotary-Screw Air Compressor

Reduce shop noise and increase airflow with the heavy-duty **Hush Quiet**[™] rotary-screw air compressor by BendPak[®].

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NO SUCH THING AS "TOO TALL"



Model shown XPR-10XLS

MRP \$3,860

***FREE SHIPPING**



For technicians challenged to work under a lift all day, common injuries stem from poor working posture and improperly fitted equipment. BendPak's **NEW 10,000-lb. capacity XPR-10XLS** and **XPR-10AXLS** two-post lifts feature over **80 inches of lifting height** to absolutely tower above other lifts. Make all jobs easier and support the long-term health of taller techs. Plus, get the best warranty and after-sale support that only comes with BendPak.

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FEATURED PRODUCT

DELIVERS UP TO 40 GALLONS ON A SINGLE CHARGE

The **Macnaught USA BOP20** is a battery-powered pump system for oil applications. Designed to improve shop efficiency and reduce operator fatigue, the BOP20 series is ideal for pumping gear oil from 5-gal containers. Its 18V, 2.0 Ah Li-ion battery delivers up to 40 gallons on a single charge with flow rates up to 1-gal per minute. The modular pump's flow nozzle enables one-handed operation with on-demand flow control. Featuring a safety lockout carry handle, the BOP20's portable powerhead can be transferred easily across multiple pump stems to reduce setup costs and prevent cross contamination.

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Macnaught USA
813-628-5506
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INCLUDES SPX POWER UNIT

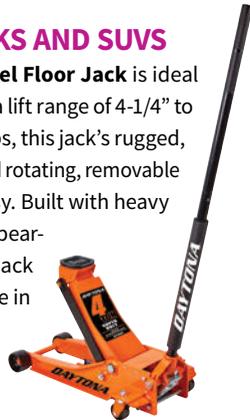
The **ATD Tools 12,000-lb Two Post Clear Floor Lift**, No. ATD2P12BSALI, offers a direct drive and single point lock release. The lift includes a SPX power unit and stackable 2.5" and 5" truck adapters. The lift also has a 12,000-lb capacity, overall height of 168-1/2", maximum lift height of 75", inside column width of 122", and minimum pad height of 4-7/8". It is ALI/ETL certified.

Circle 262 on card, or enter at "e-inquiry" on VehicleServicePros.com

FOR LIFTING HEAVY TRUCKS AND SUVs

The **Daytona 4-Ton Heavy Duty Steel Floor Jack** is ideal for lifting large trucks and SUVs. With a lift range of 4-1/4" to 20-1/2" and weighing just under 100 lbs, this jack's rugged, precision welded steel construction and rotating, removable jack saddle make lifting quick and easy. Built with heavy duty rust-resistant hardware and ball bearing premium rear swivel casters, the jack is designed to withstand punishing use in busy shops.

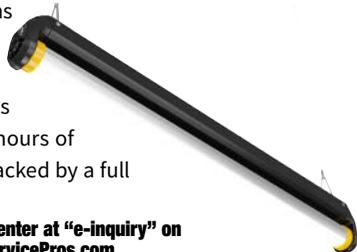
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OFFERS UP TO 36,000 LM OUTPUT

The **Big Ass Fans LED Bay Light** is designed to offer bright light without heat. The light offers six output options ranging from 12,000 to 36,000 lm, and three mounting options (aircraft cable, conduit, and flush.) The rotatable module provides various angles of distribution and five interchangeable lens options to shape and direct light where it needs to go. Rated to 187 lm per watt, this light offers up to 150,000 hours of light output. This light is backed by a full 10-year warranty.

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PACJS260

EVERY DEGREE MATTERS

COMFORTABLE EMPLOYEES ARE PRODUCTIVE EMPLOYEES

"I'm in the shop 75% of my time. I want to be comfortable and as a shop owner I need it to be cool enough for my guys to be safe and productive."

Steve Darnell, Owner, WelderUp

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WHEN COMFORT COUNTS™

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UNDERHOOD/POWERTRAIN



REMOVES DIESEL INJECTORS ON 6.7L POWER STROKE ENGINES

The **SP Tools Ford Power Stroke Injector Puller Kit**, No. 16300, removes diesel injectors on 6.7L Power Stroke engines 2011 and newer. Over time and with many miles on the engine, the injectors become heavily coated with carbon between the tip and cylinder head, causing them to stick together, the company says. When using a factory tool to remove the injector, it can rock the injector and cause binding into the cylinder head, damaging the injector. This tool is designed to pull Ford injectors straight out without rocking, reducing the possibility of damaging the injector or cylinder head.

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CHARGES ALMOST ALL 12V BATTERY TYPES, INCLUDING AGM AND LITHIUM

The **Associated Equipment Intellamatic Smart Battery Chargers and Analyzers**, Nos. IBC6008 and IBC600MSK, feature an adjustable power supply mode and a four-line backlit digital display allowing technicians to adjust both the charging voltage and/or amperage based on manufacturer specifications, safely charging almost all 12V battery types, including AGM and Lithium (SLI). A "partial charge mode" and patented battery diagnostics enable quick check and charge of batteries. The 70A re-flash power mode can be adjusted to specific voltages to perform extended diagnostics or ECU re-flash. Additional features include overcharge protection, safe in any weather operation, as well as both audible and visual alarms for reverse polarity protection. They are approved by major OE vehicle manufacturers.



Circle 267 on card, or enter at "e-inquiry" on VehicleServicePros.com



CAN REACH A VACUUM OF 15 MICRONS

The **Mastercool Inc. 18V Cordless 1.5 cfm, Two-Stage Vacuum Pump** is designed for field applications where access to a power supply isn't readily available. The sure-grip handle is ergonomically designed for comfort and portability while the reinforced base provides shock resistance. This two-stage vacuum pump can reach a vacuum of 15 microns. It is equipped with an oil-mist free exhaust port and an oil-gas separator at the air exhaust outlet. The air-cooled motor is designed for operation under high temperature conditions. The vacuum pump features an accessible oil drain port and sight glass. Dimensions are 9.9" L, 3.7" W, 6.1" H; 7.9lbs; 3.5oz oil capacity.

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RECHARGEABLE LIGHT AND JUMP STARTER IN ONE

The **Schumacher Electric Corporation Lithium Ion Tactical Jump Starter Light Series** includes three units that combine two critical items every vehicle should have, rechargeable lights and a jump starter. The series offers 400, 800, and 1000 peak amps of power to get you back on the road quickly. The aluminum alloy case is durable, and the smart cable with battery clamps protects the unit and the vehicle's battery. In addition, the multi-setting COB LED light has up to seven hours of run-time. The series includes Nos. SL1391, SL1398, and SL1399.

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FEATURED PRODUCT

NITROGEN COMPATIBLE SMOKE MACHINE

The **Redline Detection Smoke Pro Total Tech**, along with all Redline diagnostic leak detectors are compatible with shop air, nitrogen, and other inert gasses. The Total Tech uses pressure, vacuum, and visual vapor to quickly diagnose trouble codes, pinpoint EVAP leaks, cooling system leaks, as well as intake and exhaust leaks. It is OEM-approved, made in the U.S.A., and is a field serviceable, lifetime tool with a two-year warranty.

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REDLINE
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HINGED DESIGN FITS OVER HEATER HOSE

The **Lisle Heater Hose Disconnect GM 3/4"**, No. 39190, is designed to separate quick connect fittings on 3/4" heater lines on GM vehicles. The hinged design allows the tool to slip over the heater hose, even in tight spaces, the company says. Slide the tool into the connector to release the line. The tool is made of aluminum for strength and durability.

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ELIMINATES NEED TO REMOVE THE RADIATOR

The **OEMTOOLS GM Harmonic Balancer Puller**, No. 25264, is designed to save technicians time when removing a harmonic balancer without tapped holes. With this tool, there is no need to remove the radiator, the company says. This product is suitable for use on GM and Chrysler/Jeep/Dodge vehicles that don't have tapped holes. This tool features a "clip-in" design that allows removal without bolting the puller to the balancer.

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LEFT- OR RIGHT-HANDED OPERATION

The **Mastercool Air Powered Brake Caliper Wind Back Tool Kit**, No. 43050, offers right or left handed wind back operation for rear brake caliper pistons. This kit features a durable, non-impact single piston shaft, O-ring protected shaft to maintain proper pressure, center shaft constructed of chrome alloy steel, and a protective rubber guard to prevent damage to the shaft and caliper. This kit includes a 15-pc press adapter set and 3/8" drive adapter surface.

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REMOVE PLASTIC OIL PAN DRAIN PLUGS

The **Cal-Van Tools 4-pc Oil Pan Plug Remover**, No. 38200, contains tools and adapters to remove plastic oil pan drain plugs found on many late model Ford, Volkswagen, Audi, and BMW vehicles, the company says. The tool is also applicable to the Ford/Lincoln plastic oil pan drain plugs of these engines: 2.7L, 2.7L (2018), 3.0L, 3.3L, 3.5L Turbo, 5.0L (2018). The adapters will not damage drain plugs and are designed to slot in and easily release these plugs. The set comes in a hard case for easy storage.

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FOR REMOVING BROKEN OIL DIPSTICKS

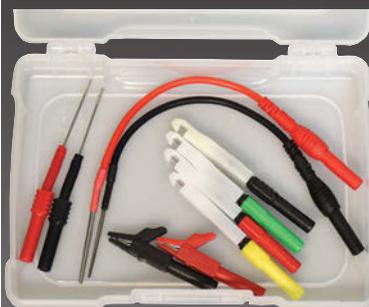
The **ProMAXX Oil Tube Extractor** is designed to improve productivity and speed when removing broken oil dipsticks. The stainless-steel Oil Tube Extractor inserts into the damaged tube, and the aggressive thread bites into the steel tube, allowing it to remove the damaged piece from the top of the block without any further action, the company says. This tool is made in the U.S.A. and includes a limited lifetime warranty. The tool is available in two iterations: one for GM LS 4.8L, 5.3L, 5.7L, 6.0L, and 6.2L engines, and one for Ford 4.6L, 5.4L, 6.2L, and 6.8L engines.

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#805 Automotive Test Probe Kit

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PREVENTS ENGINE OIL DEGRADATION

The **BG Advanced Formula MOA**, No. 115, is formulated with 100 percent synthetic chemistry to protect turbocharged gasoline direct injection engines from Low Speed Pre-Ignition (LSPI). When added to engine oil, it protects engine components and fortifies all brands of engine oil over extended oil drain intervals. It also protects vehicles with downsized, boosted engines that have hotter combustion temperatures, higher cylinder pressures, less piston ring tension, and tighter tolerances. In addition, it is designed to prevent excessive oil consumption, sludge and varnish, and increased exhaust emissions.

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FITS IN A TOOLBOX

The **DeWalt 20V Lithium Simple Start Battery Booster** is powerful enough to jump-start most vehicles in minutes, and compact enough to tuck away into the corner of a toolbox, the company says. The 20V booster uses the same battery packs as other DeWalt tools. Users connect a charged 20V lithium battery pack and are able to start cars or recharge portable electronics such as a laptop, cell phone, or tablet. This product includes a built-in, high-intensity LED worklight.

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CLEANS THE INJECTOR SEAT AND HOLE

The **CTA Injector Seat and Chamber Cleaning Set**, No. 7810, cleans the injector seat and hole prior to installation of a new injector. Cleaning the seat and hole is a crucial step in the installation process of all injectors. The kit includes two metal brushes in sizes 20mm and 25mm for injector hole cleaning, two front brushes for injector seat cleaning, one front brush extension, two seal plugs to close the injector hole while cleaning, one seal plug holder to install and remove the plug, and one sanding kit with paper and paper support.

Instructions are included in the kit.

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IDEAL FOR HEAVY DUTY APPLICATIONS

The **Allstart Heavy Duty Booster Cables**, No. 563, are extra long for front, side, and back hookup. These 20' cables have a 6 gauge wire for use with trucks and cars. These cables offer 600A clamps and are ideal for heavy duty needs.

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PORTABLE, 9 LB COMPACT JUMP STARTER

The **Weego Crankenstein Jump Starting 12V/24V Power Pack** is a portable, compact jump starter for light and heavy duty equipment and vehicles. Crankenstein provides 1,200 cranking amps and 5,000 peak amps for 12V systems, and 600 cranking amps and 5,000 peak amps for 24V systems. It is able to jump start 0V batteries safely and is IP65 rated for water, dust, and dirt resistance. The jump starter works in a temperature range of -28 to 140 degrees F. Crankenstein's battery is rated for up to 2,000 life cycles and will hold a single charge for over one year. It also has a 1,000 lm LED work light and can be recharged on the go in six hours with the supplied USB-C DC charger or from a standard AC wall outlet.

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100A POWER SUPPLY FOR VEHICLE PROGRAMMING

The **Clore Automotive 12V Battery Charger and Power Supply**, No. PL6100, from **SOLAR**, is a complete service solution for aftermarket shops and dealerships. Its power supply mode delivers up to 100A to support vehicle reprogramming applications (0-100A, on demand) and allows the operator to select the desired system voltage from 13.1-14.5V, in 0.1V increments. The PL6100 controls voltage output, is extremely responsive to load variations, and minimizes voltage ripple for ideal programming support. It also includes the Pro-Logix charging mode, with the ability to properly charge flooded, AGM, Spiral Wound, Marine, and Deep Cycle batteries in multiple charge rates up to 60A.

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INTELLIGENT JUMPER CABLES PROTECT FROM SHORT-OUTS

The **K Tool International 12,000 mAh Jump Starter/Power Supply Kit**, No. KT174391, can jump start cars, SUVs, and light duty trucks. This kit contains an AC wall charger, DC charge cable, USB charge cable for dual USB output, eight DC output tips for charging computers, multi-function cellphone charging cord, and the ability to function as a super bright light. The tool's easy-to-read LCD screen shows remaining power status, and the product is portable enough to fit in a pocket, toolbox, or glovebox. Intelligent jumper cables prevent currents from flowing if clamps are incorrectly connected, protecting users from short-outs.

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LOCATES AIR LEAKS

The **Lisle Turbo Air System Test Kit with Smoke Adapter**, No. 69910, plugs the output side of the turbo and the intake inlet. Air and smoke are applied through one adapter to show the presence of leaks within the system. The kit features a pressure gauge, shut off valve, pressure regulator, and includes six pairs of stepped adapters to fit most turbo systems on cars and light trucks. It can also be used on some cooling system hoses.

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REMOVES ENGINE OIL DEPOSITS AND BUILDUP

The **BG Dynamic Engine Restoration Service Kit** is designed to remove engine oil deposits and buildup for higher mileage vehicles. The service kit includes BG Dynamic Engine Cleaner to clean the crankcase and lubrication system, BG Dynamic Engine Cleaner Rinse Oil to remove the cleaner and suspended residue, BG Advanced Formula MOA to protect engine components, and BG 44K Platinum Fuel System Cleaner to restore performance and fuel economy.

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INTEGRATED WI-FI FOR EASY RESULTS SHARING

The **Midtronics CPX-900 Battery and System Analyzer** is a handheld diagnostic tool that features Conductance Profiling, a patented technology designed to provide more information about battery state of charge and state of health than other kinds of testing. This enables the CPX-900 to deliver battery reserve capacity warnings and significantly fewer charge and retest decisions, the company says. CPX-900 supports diagnostics for conventional lead-acid, AGM, and EFB batteries, and advanced vehicle systems. The product features a 3.5" full color and integrated IR temperature sensor, ergonomic shape, size, and grip, and integrated Wi-Fi for easy sharing of battery test results. Field-replaceable clamp cables and an optional built-in printer help increase serviceability and decrease downtime.

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FEATURED PRODUCT

FOR R-1234YF AIR CONDITIONING SYSTEMS

The **Tracerline TPOUV19 UV Leak Detection Kit** is designed specifically for diagnosing modern R-1234yf A/C systems to meet the industry trends. Each kit comes complete with three Mini-EZ dye cartridges, an EZ-Ject dye injector assembly, an R-1234yf hose/coupler and purge fitting, and a 2 oz. (60 ml) bottle of GLO-AWAY Plus florescent dye cleaner. Also included in the kit is the TPOUV OPTI-PRO UV cordless, violet light leak detection flashlight.

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UNDER VEHICLE, SUSPENSION, & BRAKES



WORKS ON LARGE AND SMALL "W" SPRINGS

The **Thexton GM "W" Rear Brake Tool**, No. 832, works on large and small "W" springs commonly found on older trucks, SUVs, and cars (2009 and older models). The inside design of this tool allows obstacle-free use by technicians. This tool is made in the U.S.A. Specific applications include large springs on most GM trucks and SUVs older than 2009 (i.e. Silverado, Suburban, Yukon) and small springs on most GM cars 2008 and older (i.e. Cavaliers, HHR, Cobalt, G5, Malibu).

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FEATURED PRODUCT

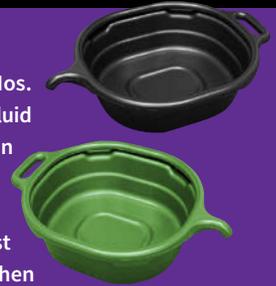
LARGER CATCH AREA

The **Lisle Corporation 4.5 Gallon Oval Drain Pans**, Nos. 17972 and 17982, feature a larger catch area for easier fluid draining. The drain pans have a height of 6.25" to fit in tight spaces, and their smooth pan design is easy to wipe out and clean. They also feature a 1.125" outer diameter spout for quick and easy pouring of used fluids into most jugs, and have an anti-splash lip to prevent spilling when carrying or pouring. They are made of high density polyethylene material that is resistant to chemicals and solvents. The drain pans come in two colors: 17972 is black for oil and 17982 is green for coolant.

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Lisle Corporation
712-304-2416
lislecorp.com



OFFERS FAST AND ACCURATE READINGS

The **PCL Air Technology ACCURA QUBE Tire Inflator** features style and simplicity, yet is user-friendly and offers fast tire inflation. With a reading accuracy of 1 psi, each unit is individually tested and includes a calibration certificate. The QUBE offers three modes: standard inflate/deflate, tire shop (featuring overpressure), and nitrogen (top-off and complete purge).

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LIGHTWEIGHT AND COMPACT DESIGN

The **Cal-Van Tools Stretch Belt Installation Tool**, No. 736, is designed to make installing new stretch belts easier and faster. The design helps increase the ease of installation and prevent damage to the belt and pulley. The lightweight and compact design makes this tool suitable for working in tight areas.

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FEATURED PRODUCT

FREE UPDATES FOR LIFE

The **31 Inc. Smart Sensor Elite TPMS Tool** is designed for simplicity and ease of use with the advanced features of a high end TPMS tool. Notable features include: color display, easy-to-follow menus, built-in relearn procedures, placard adjusting, built-in OBD-II, wireless updating, VIN code scanning, optional Bluetooth OBD-II, and more. Updates from Smart Sensor are free for life, and the tool is backed by the company's 24/7 TPMS network support.

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31 Incorporated
740-498-8324
31inc.com

BOTTLES FEATURE BUILT-IN MAGNET DESIGNED FOR SECURE PLACEMENT

The **CTA Manufacturing Corp. Brake Bleeder Bottle**, No. 7786, comes with two brake bleeding bottles. Bottles feature a built-in magnet designed for secure placement. The bottles are equipped with a nipple top for placement of tubing. The nipple top also vents the bottle. Remaining brake fluid drains back into the bottle. An attached metal wire with hook adds additional security when anchored to a nearby suspension component.

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UNDER VEHICLE, SUSPENSION & BRAKES

FEATURED PRODUCT

DISASSEMBLE U-JOINTS – FROM CARS TO CLASS 8 TRUCKS

Cal-Van Tools U-Joint Puller, Nos. 199, 905, and 907, are designed to

make it easier to disassemble the u-joints of many vehicles, from cars and light duty trucks to Class 8 trucks and machinery, or anything in between. The pullers provide an effective and safer alternative to the vise-and-socket method, which can potentially lead to unintended damage of components or possible harm to the user. Each puller is constructed with high-strength materials, and every puller frame and cup is protected with E-coating.

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**Cal-Van
TOOLS**

Cal-Van Tools
800-537-1077
info@calvantools.net



FITS MOST LUG NUT WRENCHES

The **Ascot Locking Lug Key Set** is designed to remove locking lug nuts on wheels and includes lug keys for a variety of lug styles. Each key is made from heavy duty, heat-treated chrome vanadium steel. The double hex-head design fits most lug wrenches, and the thin sockets and extra-long lug keys help prevent nicks, scratches, and damage to the wheel. The 16-pc set comes with both SAE and metric pieces that can be used on spline, star, hex, and fluted hex fasteners. For easy storage and organization, the keys come inside a blow molded case with an application guide included on the inner lid. Included hex pieces: 11mm, 12mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, and 20mm. Included Sockets: (two) 5/8”, 41/64”, 45/64”, (two) 15/32”, 19/32”, (two) 11/16”, 3/4”, 7/16”, 5/8”, (two) 1/2”, 13/16”, and 9/16”.

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ADAPTABLE FOR USE ON A VARIETY OF APPLICATIONS

The **Matco Tools Universal Brake Caliper Wind-Back Tool, No. BCW6,**

is a 6-pc set that allows users to work on clockwise, counter-clockwise, and static/push-back brake calipers with one tool. This tool is designed to be adaptable for use on almost any automotive application. With the included adapter, this tool can be used in conjunction with

other sets. This set comes in a durable blow molded case.

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EASE BRAKE WORK ON MOST DOMESTIC AND FOREIGN CARS

The **Snap-on Tools BST6 Magnetic Brake Retainer Spring Tool** is designed to ease brake work on most domestic and foreign cars, SUVs, and trucks. Neodymium magnets inside the tool’s working end free up technicians hands to hold a pin on the far side of the braking plate, and a new O-ring addition grips better than the previous older-style serrated surface. A patented Instinct handle makes the tool easier to hold and more comfortable for use over long shop days.

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FEATURED PRODUCT

CAPTURES USED FLUIDS

The **Lincoln Low-Profile Truck Drains** feature three models as an alternative to lifting heavy vehicles during fluid changes. Nos. 3665, 3667, and 3669 truck drains offer a low-profile design that can be easily positioned under high-clearance vehicles for capturing used fluids including motor oil, coolant, and transmission fluid. All three models feature a 17-gal capacity reservoir molded from light-weight, high-impact polypropylene and mounted-on four 4” diameter swivel casters. The drains offer three discharge methods: manual (3665), rotary (3667), and electric (3669). They are ideal for RVs, trucks, heavy equipment, and more.

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G-scan 3

G-scan 2

G-scan Tab

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