

Shop Tools

Drill Bit Sharpener

The new Darex® V190 Precision Drill Bit Sharpener is an industrial-grade sharpener capable of re-sharpening ordinary drill bits into high-performance, self-centering, fast cutting, split-point drill bits. The V190 re-sharpens drill bit sizes from 3mm to 19mm (1/8-3/4 inch), and will re-sharpen them into the most popular angles from 118 through 140 degrees in under a minute.



Darex
Circle No. 211

Power Flush Plus A/C Flusher and Solvent Recycler

Robinair's Model 17570 Power Flush Plus allows you to quickly and easily flush A/C system components, then recycle the solvent for re-use. This unit flushes evaporators and condensers, forming a closed loop into and out of the component. The unit's pulsing action loosens dirt, corrosion and other debris. Switching hoses allows backflushing the A/C system.

The unit then purges solvent from the part, collecting used material in the recycling tank. An activated charcoal filter limits emissions and odors during flushing and purging.

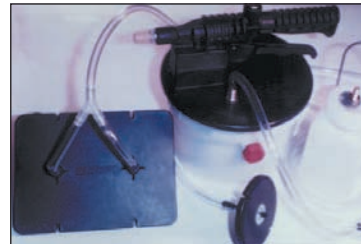


The solvent can be used on several vehicles by recycling between jobs. A particle filter traps solids and a filter-drier further cleans the solvent.

Robinair
Circle No. 212

Vacuum Bleeder

Raybestos Brakes has introduced a new brake fluid vacuum bleeder, part number S00G1A. The new vacuum bleeder has two-quart capacity, air operation, ABS capability and an automatic refill system for rectangular and round top master cylinders. The most prominent features of the vacuum bleeder are the minimal use of O-rings (reducing breakdown and ring failure) and a permanently sealed lid. The vacuum bleeder has a quick drain side outlet, eliminating the need to break the main seal and allow leakage. All components are made and assembled in the U.S.A.



Raybestos Brakes
Circle No. 213

Offroad Creeper

Here's a creeper that should work over gravel, dirt or grass, according to the manufacturer. The Bone Rough Rider has large, swivel-



ing rubber wheels and an injection molded body providing a working platform just 1-3/4 inch off the ground. The wheels are five inches in diameter with 2-1/2-inch swivel bearings to move over uneven surfaces, making it convenient for truck, agricultural or RV facilities. The manufacturer says the creeper can support a 500-pound mechanic.

Bone
Circle No. 214

Rechargeable, Battery-Powered Grease Gun

There are times and grease fittings that are both too far from the shop hose and too awkward to work with a grip-type gun. Lincoln Automotive's 12-volt, electric-motorized unit can deliver as high as 6000 psi through its internal planetary gear and needle-bearing final drive. The supply chamber accepts either standard grease tubes or grease in bulk.



Lincoln Automotive
Circle No. 215

Fluid Containment Bench

One of the problems that comes up when working with differentials, transmissions, power steering components and many other parts is that it is often impossible to drain them completely on the vehicle. Then, once you put them on the workbench and start taking them apart, an accumulator or an oil passage sudden-

ly empties on the surface, soaking in forever or spreading over the table top and floor. The Shure fluid containment bench includes a 1/2-inch perimeter lip and a shallow drain into a removable container. A locking drawer holds tools and supplies, and a stainless-steel top is an option.



Shure Manufacturing
Circle No. 216

High-Tech Workbench

Does your ancient workbench look like something the Wright brothers got rid of the day they turned to bicycle repair? The Realiti Workcenter has a stainless-steel top (easy to clean!), a locking tool cabinet over the adjustable legs, and a swiveling support bracket for a PC monitor. The durable industrial paint is dark gray with red trim.



Shure Manufacturing
Circle No. 217

New Tire Changer

Alloy rims present some challenges to the once-familiar art of tire changing. Hunter Engineering's new TC2000 machine combines a center post

design for high volume work, but with the capacity to handle aluminum rims, too. On this tire machine, the wheel turns and the mounting rod stands still, increasing safety and avoiding the need to 'chase' the tool. A clamping bell provides support all around the outer flange instead of just at the hub, so the chance of bending a wheel is much reduced. Alloy and low-profile wheels can be handled with the optional Euro-style articulating mounting arm with a polymer head. Since the machine does not require a lug pin, more time can be saved.



Hunter
Circle No. 218

Rotary Screw Compressor

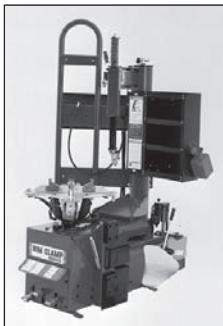
Rotary screw compressors are a cost-competitive alternative to traditional piston-type units. These by Champion come in 5 and 7.5 horsepower models, and the company is working on larger versions for the future. A rotary screw compressor can operate continuously with a minimum of service or maintenance; the design derives from European railroad airbrakes, where concerns for reliability and the need to deal with dust and dirt as well as wide temperature ranges are paramount. Horizontal tanks hold either 80 or 120 gallons, and the modular air end is adaptable to existing tanks. Two stage oil separation minimizes oil in the compressed air.



Champion
Circle No. 219

Rim Clamp Tire Changer

The COATS Model 6065X machine is designed for flexibility with the COATS' X-shaped table top and adjustable rim clamps. It can handle rims up to 24-inch in diameter and up to 14-inch wide. The wheel clamps include bead seating jets to aid working on newer and

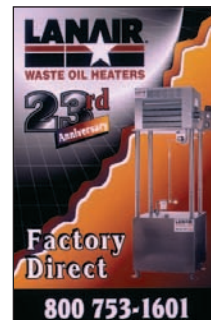


wider tire configurations. One control adjusts the horizontal tool head position and a second adjusts the height. Foot pedals are located for sure-footed access at all times. The machines come in pneumatic or electric models. Air tanks are fiber reinforced composite, to permanently resist rust and corrosion.

COATS
Circle No. 220

Waste-Oil Heater

What better to do with something that costs money to throw away than turn it into heat for your shop? Lanair makes a number of such shop furnaces, burning waste oil as fuel. The one shown is the model H1-140 with a 195-gallon tank and fuel plumbing. It can work for any operation that generates or collects used oil.



Lanair
Circle No. 221

Asymmetrical Overhead Lift

For shops planning to replace their in-ground lifts, either because of obsolescence or because of questions about environmental consequences, the AAMCO Model B2907 two-post asymmetrical overhead lift can handle a wide range of vehicles and is relatively easy to install. Capacity is 9,000 pounds, and the turned columns accommodate most light vehicles. The floor area is left open, and an overhead shutoff bar protects tall vehicles. Overall width is 139-inch; overall height is 150-inch. With the oversized beam on top, the one-piece column construction maximizes structural integrity. The novel lifting carriage ensures equal weight distribution. The lift uses dual hydraulic cylinders with steel hydraulic lines and automatic safety locks every three inches for a variety of working heights. Locks are released either manually or pneumatically. Lift fingers with 3/4-inch inserts protect undercarriage paint, and five-inch extensions are available.



Hennessy Industries, Inc.
Circle No. 222

Digital Lube Nozzle

Lincoln's electronic meter dispenses preset batches of automotive fluids using quarts, gallons, pints or liters – whatever the carmaker's specifications call for. Using exactly the correct volume, of course, not only saves the shop money by not wasting materials, it also protects the vehicle by delivering just the right quantity, neither too much nor too little. The meter uses standard AA alkaline batteries, and the circuitry has a fail-safe mode of not accepting commands when the batteries are low, preventing accidental operation. The 978 meter has a 45-degree swivel to allow use for either gear lube or oil; the nozzle is non-drip. The meter comes in five different colors to visibly identify what fluid flows through each.



Lincoln
Circle No. 223

Power Steering Flush Machine

Changing the oil on a power steering system is no longer a job you do only after replacing a pump that sheds itself into metal chaff. Scheduled flushing of the fluid can keep the power steering system working properly for an extended life even without learning a hard lesson from a component failure. Flushing the fluid after a steering rack replacement is standard procedure, too, to ensure against failure of the new



parts. The Wynn's P/S flush machine works for either ATF or manufacturer-specific fluids and uses a two-part flush.

Wynn's
Circle No. 224

Folding Engine Hoist

An engine hoist is the handiest thing in the world when you're lifting a block out of a car, and the least handy thing in the world when you bark your shins against it when it's just taking up space, waiting for the next engine R&R. Lincoln's Eagle series engine crane has load-bearing legs that pivot up when not in use, requiring only 2-feet by 3-feet for storage. Both a one-ton and a two-ton unit are available, all with ball-bearing casters and steel wheels.



Lincoln
Circle No. 225

Pro Charger 50

Snap-on Tools' Pro Charger 50 can service all sizes of 12 volt batteries, accommodating automobiles, motorcycles, snowmobiles, ATV's and more. The unit's four-position Charge Rate Selector permits the selection of the most appropriate charging specifications, including a continuous 50-amp setting monitored by an ammeter, a 10-amp setting for low charging (e.g. cold or sulfated batteries), or a 2-amp setting for small batteries. The unit's built-in timing device gives the charger the ability to charge for up to 120 minutes, then automatically shut off. For jobs requiring extra power, such as stalled vehicles, the Pro Charger 50 offers a special boost feature which provides 140 amps of cranking assistance.



Snap-on Tools
Circle No. 226

TranServe® II+

The Professional Products Division of the Wynn Oil Company has introduced the TranServe II+. This machine makes transmission fluid changes easy by connecting to the transmission through the cooler lines. According to the manufacturer, the machine removes 95 percent of the



transmission fluid from the torque converter, transmission cooler and lines, providing a complete service in under 10 minutes even on low flow vehicles.

The TranServe II+ uses a specially formulated chemical kit comprised of Wynn's Automatic Transmission Flush and Automatic Transmission Treatment.

Wynn's
Circle No. 227

R.I.M.™ Safety Campaign

COATS® has introduced the R.I.M. (READ, INSPECT & MOUNT) tire mounting safety instruction kit. The R.I.M. Kit includes two videotapes detailing tire mounting safety and full-color brochures aimed at educating the technician. Each brochure has perforated tear-out cards for technicians to complete and sign to acknowledge their review of the program. The kit also includes a full-color wall poster identifying tire mounting problem areas and an assortment of R.I.M. decals to affix to the tire changing equipment.



Hennessy Industries
Circle No. 228

Economy Wheel Balancer

The COATS® Model 700 Economy Wheel Balancer puts state-of-the-art patented direct-drive wheel balancing within the reach of even the most cost-conscious shops or service stations. The 1/2 horsepower direct-drive motor affords the same single-spin balancing convenience as COATS' top-of-the-line models, yet the price is comparable to a hand-spin model with fewer features.

The Model 700 offers many high-end conveniences found on premium wheel balancers. A large LED display and digital keypad eliminate awkward dials, and three balancing modes (static, dynamic and alloy wheel) offer versatility and ensure accuracy. Like all COATS wheel balancers, the Model 700 offers an efficient 10 second cycle time with a 14-inch wheel. A self-calibration system coupled with the unit's direct drive system allow critical measurements to be taken while the wheel is coasting.



Hennessy Industries
Circle No. 229

PrismPro™ Refrigerant Identifiers

Robinair's PrismPro™ Series of refrigerant identifiers feature infrared optical technology created by Texas Instruments. The optics of the PrismPro identifiers analyze the refrigerant sample and compare it to programmed ranges for R-12, R-134a, FRIGC and Freeze 12. The PrismPro Series displays a refrigerant type only if it's pure enough to recover or recharge. That means the refrigerant is at least 90 percent R-12 or R-134a; for the PrismPro-OE, that means the refrigerant is at least 98 percent R-12, R-134a, FRIGC or Freeze 12. Both meet SAE

J-1771 refrigerant diagnostic tool specifications for purity. PrismPro-OE meets the OEM's stricter requirements for refrigerant purity. On both units, anything less pure and the PrismPro labels the refrigerant as 'unknown.'



Robinair, SPX Corporation
Circle No. 230

A/C Service System

The new FT-4000 A/C Service System from F.T. Industries has been designed to provide simple operation, fast cycle times and self-diagnostics. The computer-controlled FT-4000 provides a large display and easy-to-use controls with operator instruction presented in plain English. It is able to Recover/Recycle/Recharge and Flush within minimum cycle time. The FT-4000's power charging capabilities allow automatic top-off of an A/C system without having to pull a vacuum or heat the recovery cylinder.



Self-diagnostics and a refrigerant management reporting capability round out the FT-4000's features.

F.T. Industries
Circle No. 231

Welding Catalog

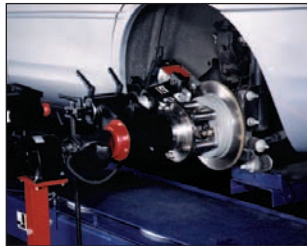
Hobart Welding Products—provider of stick, MIG, TIG, plasma cutting and engine drive units up to 250 amps of welding output—has introduced its latest full-line equipment catalog. The 23-page catalog explains how to pick the best product for your welding application, advantages of various processes and how to select a welding power source. Also included in the catalog is a glossary of welding terms, helpful to those unfamiliar with welding terminology. In addition, the catalog contains information on the Hobart Institute of Technology, one of the most highly-rated welding schools in the country.



Hobart
Circle No. 232

Dual On-Car Brake Lathe

The new BRC480 Dual On-Car Brake Lathe from RTI provides the benefits of both caliper-mount and hub-mount brake lathes. With RTI's new 'hub arm' technology, a combination caliper-mount/hub mount hybrid has been developed. The special aluminum hub arm with heavy-duty roller bearings allows RTI's patented caliper-mount lathe to be used as a hub-mount lathe. When caliper-mounted, the BRC480 uses the critical caliper/pad geometry, requires no runout compensation and achieves 'near zero' runout automatically. When hub-mounted, the BRC480 requires fewer adapters and works on non-preloaded bearings and car or SUV live axles.



RTI Technologies, Inc.
Circle No. 233

Brake Disc/Drum Lathe

The RTI BRC550 bench brake lathe was developed specifically for the new requirements of late model automobiles and light trucks. These new requirements are: a very smooth surface finish, minimum run out, perfect parallelism, no taper and perfect perpendicularity—all while removing the least amount of material possible.

The BRC550 features:

- An extra-heavy-duty foundation, machined to exacting precision standards.
- RTI in the U.S. adds special constant torque, infinitely variable speed feed motors controlled electronically by pulse width modulation.
- Special Hub Surface Locator technology using a new concept in adapter design. The extra-rigid 30 mm 'Big Arbor' with sealed roller bearings is 40 percent stronger than standard 1-inch arbors and is machined to the highest precision standards.
- Runout is controlled by the special arbor face and Hub Surface Locator.
- A special high mass vibration dampening out-board supporting cone eliminates vibration.
- Electronically controlled offset step feed stops the cutting tools periodically, creating a non-directional finish.



RTI Technologies, Inc.
Circle No. 234

Wanted—Dead or Alive!

GOJO Industries has posted rewards for some of their early hand-cleaner dispensers, first distributed in the 1940's by their still-active founder, Jerry Lippman. The early dispensers metered out a portion of the hand cleaner when you turned a crank — ordinarily a window crank from a Packard Clipper, a DeSoto Firedome, a bathtub Hudson or some other car of the time. The nostalgic company is also looking for early versions of their metal cans and jars from 1946-1951. Stealing a bit of time from their reminiscences, the company also presents a new catalog of their hand-care products, keying different types to different sorts of jobs and workplace problems.



GOJO Industries
Circle number 235

Automatic Tire Changer

The MTS 2010/20 HP Automatic Tire Changer from Myers Tire Supply is designed to easily and safely mount/demount all types of 'run-flat,' ZP,

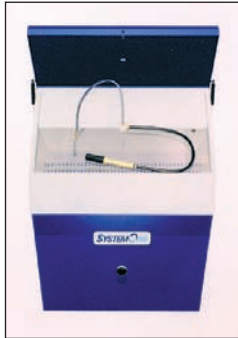
Pressure '0' and ultra-low-profile passenger and light truck tires. The Tire Changer is designed to prevent damage to custom wheels during every step of the tire changing process. The SP2000 Accessory, included with the MTS 2020/20, makes changing exotic tires and wheels an easy one-man operation. The MTS 2010 HP changes tires in widths from 3.5-



Myers Tire Supply
Circle No. 236

Recycling Solvent Parts Washer

The System One Model 500 parts washer integrates a low vacuum distillation and recovery process which allows solvent to be used and recycled without requiring costly off-site processing. The Model 500 is a self-contained recycling general parts washer that removes all the contaminants from the dirty solvent within the washer itself, minimizing waste by-product volume and providing the customer with clean solvent every day. The small amount of waste by product generated by System One's distillation process can typically be disposed of with customers' used motor oil.



System One
Circle No. 237

Portable Lift

Benwil's new midrise portable lift can raise vehicles up to four feet, using either compressed air or 110 volt electrical power as the energy source. This working height is ideal for brake, tire, body and used car prep work. The lift and its pump are mounted on rollers, so the entire device can be moved easily around the shop. The twin-cylinder design ensures safe, dependable and smooth operation. A clearance of only 3-7/8 inches is needed



for vehicle driveover, and the surface area required is 39-1/4 by 90-1/2 inches.

Benwil
Circle No. 238

Transmission Cleaning Machine

Robinair says their new Transmission Service Solution, Model 82000, is more than an ATF exchanger, that it can also remove the contamination and varnishes that build up inside an automatic transmission. This can translate into smoother shifting and longer wear for the motorist, as long as the service is regular maintenance, before damage occurs. Heat in the transmission builds up varnish and breaks down the ATF. In addition, the varnish contributes to the reduced performance of the transmission seals, leading to pressure loss and clutch slip. The TSS uses a unique process and a special cleaner, the manufacturer reports, to remove the varnish as well as the clutch fibers and other contaminants without disassembling the transmission. The machine's vacuum and push technique removes virtually all the fluid, including what is in the torque converter. A five-gallon tank retains the used transmission fluid and prevents spills. The machine works on compressed air from the shop pneumatic system.



Robinair
Circle No. 239

Disposable Hand Cleaner Towels

Gent-l-kleen Products has a new solution formula for their Power Wipes hand cleaner towels. The new formula has neither solvents nor VOC's, making it more environmentally friendly. The new formula does contain glycerin, aloe vera, vitamin-E, jojoba and wheat germ extract skin conditioners and an antiseptic. The towels themselves are a textured polypropylene that aids in physical removal of dirt while the formula dissolves grease, oil and other fluids.



Gent-l-kleen
Circle number 240