



Robert Hughes, Air-Vac Systems (ph 800 234-2473; www.air-vacsystems.com): “Hundreds of FARM SHOW readers have bought our shop air cleaners over the years. So we wanted to let you know that we have a new belt-driven design that lets you pick your power source – electric, hydraulic, air power, or lineshaft. The newly designed cabinet is larger and has an access door in the side for easy filter replacement. It removes dust, odors, and even VOC’s from wood finishes and paint. “It will clean the air in a 2,000 sq. ft. area.

You can add more units in a larger shop. Regular price is \$2,390. FARM SHOW readers can deduct \$300.”

Mullet’s Machinery & Parts, LLC, 6870 S. State Rd. S, Topeka, Ind. 46571 ph 260 593-2960: This company sells a wide variety of aftermarket corn picker parts for New Idea pickers.

“We buy old pickers and tear them down for parts. We also rebuild and sell used pickers and parts,” says co-owner LeRoy Mullet. “We go through about 80 pickers a year and have a good inventory on hand.”

Some commonly available parts include snapping rolls, snouts, straw walkers, elevator flighting, conveyor slats, snapping rolls, bearing housings and gearboxes. Call for prices on parts and availability. A free catalog showing all parts is available.



Roy Huntington, Joplin, Mo.: “I use my 2,500 sq. ft. shop to maintain farm equipment, build furniture, and do welding work. I built a 35-ft. long work bench along one wall, but instead of adding shelves or cabinets above I made a series of wooden racks underneath that are designed to hold plastic trays. I bought them at a local restaurant supply house for about \$8 apiece. The trays slide in and out of the racks easily. “I keep tools such as sanders, skilsaws, and routers in the trays along with items

such as glues, rags, and sandpaper and label accordingly. I always know right where everything is since nothing is hiding inside a drawer somewhere. The trays have raised edges, which makes it easy to lift and slide them out so I can take them with me to the job site. I’ve expanded the concept to other parts of the shop where I store battery chargers, paints, auto parts and other things. By the way, that’s Amelie The Wonder Dog in the photo.”

Planetary Gear Starters Start Deere Tractors Fast

Abilene Machine has a fast start option for traditionally hard-to-start 30 series Deere diesels and many other models. Abilene’s planetary gear reduction starter has more torque and turns the engine over at a higher rate, so it starts faster. That means less wear on the starter, extending its life, and also less draw on the battery.

“Standard gear reduction starters have the gears stacked on top of each other with lots of thrust against each other,” says Jay Russell, Abilene Machine. “With our planetary design, they’re encased in the center, so they don’t fight each other.”

Russell notes that Abilene once sold standard Nippon and Delco replacement starters. However, as core cost kept climbing, the company started stocking aluminum housing starters. While the price was low, failure rate was high.

“We found a planetary gear reduction starter, but the price was \$475, similar to Nippon and Delco starters, versus \$200 for the low-cost ones,” says Russell. “We managed to get the price down to \$275, which is competitive with the low-cost starters.”

Russell points to 2 other popular features of the starter. Customers don’t have to send back the replaced core. Also, unlike the Delco or Nippon starters, no special wrench is required to remove them.

“Guys wanting to replace their starters had to buy or borrow a wrench,” says Russell. “Some guys would make their own. Our starter can be replaced with standard wrenches.”

The heavy-duty Abilene starter can be installed on the full range of Deere tractors,



Planetary gears in starter are encased in the center, resulting in more torque and a faster engine start.

from the 3010 through the 7810’s.

Russell asserts that the starter sells itself once its fast start has been experienced. “We had a company that rents out hay equipment, including tractors, order one from our online store,” recalls Russell. “A few days later they ordered another one and another, and that continued about every week for a month.”

Intrigued, he called the company to ask about the orders. “They had tried the starter on one of their tractors and were so impressed they ordered one for a second tractor,” recalls Russell. “When their customers experienced the quick start on the rental tractors, they wanted it for their own tractors.”

Contact: FARM SHOW Followup, Abilene Machine, P.O. Box 129, Abilene, Kan. 67410 (ph 785 655-9455; toll free 800 255-0337; www.abilenemachine.com).

Product “Converts” Rust To Solid Coating

If you have rusted equipment or tools, instead of trying to remove the rust, consider “converting” the rust - never to return again.

That’s what Black Star Rust Converter does according to Steve Cotsalas, president of MROCHEM.com, which manufactures Black Star and other chemical products for maintenance, repair and operations (MRO).

“Black Star chemically reacts with iron oxide to form a hard, black polymer resin that can be used as a final coat or as a primer,” Cotsalas says. Black Star was developed in 1989 for the marine industry on Long Island. Since then it has been used by the Coast Guard, for undercoating salt spreaders, on bridges, cruise ships, and more.

“In the agriculture market, many farmers and ranchers use Black Star on fences, grain bins, propane tanks, barn and shed roofs and on the inside and underside of stock trailers,” he says. “It also works in farrowing pens and chicken coops. Vets use Black Star in areas where there is animal waste.”

Cotsalas notes that there are other less expensive rust converter products on the market. But Black Star stands out in a couple of ways.

“The difference is Black Star is a very stable conversion that won’t reoxidize. You don’t need to do it again in 12 months. We guarantee our product will never reoxidize.”



he says. “Also, it is water-based, so there are no fumes.”

Black Star eliminates the need for excessive grinding.

“We recommend power washing to remove the flaky rust, let it dry and then apply Black Star,” Cotsalas says. The “tight” rust will convert.

The resin-like material can be left alone or covered with oil or solvent-based paint, stain or epoxies. They bond better than water-based paints, he notes.

MROCHEM.com sells Black Star Rust Converter in large containers popular with municipalities and companies, but also has aerosol cans (\$27.95) and gallon jugs (\$89.95). Check out the website to order.

Contact: FARM SHOW Followup, MROCHEM.com, P.O. Box 11056, Hauppauge, N.Y. 11788 (ph 800 788-9195; www.mrochem.com; customerservice@mrochem.com).



Welded-together I-beam frame holds 3 toolboxes of different sizes together to keep tools more organized.

Handy Work Station Keeps Tools Together

Mike Bengtson of Brandon, Minn., was inspired by ideas in FARM SHOW to use an I-beam frame to hold toolboxes.

“I had tools spread out all over,” he explains. “I needed a work station where I could keep things a lot more organized.”

His 3 toolboxes were different sizes, so he drew up a rough sketch on how to place everything and measured carefully to create a frame to tie them all together.

“I had some 4-in. by 3/16-in. I-beam for the frame and put 6 wheels underneath. The middle ones are stationary and have 1/8-in. shims to make them a little longer. So you get a little wobble, but it allows you to pull on either end and turn it pretty freely,” Bengtson says. He used heavy-duty, rubber-coated 4-in. caster wheels to support the weight of the frame and tool boxes.

He welded the I-beam frame together and

included 2 uprights to support shelves behind the two large toolboxes to hold a smaller toolbox and an organized charging station for his cordless drills that hang on grooves cut into a wooden shelf.

He bolted the toolboxes to ears he welded on the frame to hold them securely.

“Also, I wanted it wide enough so it’s not top-heavy,” he adds about the work station that is about 8 by 3 ft. and 5 1/2 ft. tall.

He welded a steel plate on the side for a small vise, added a power strip for the battery chargers, and labeled all the drawers. Besides rolling it where he wants it, there is plenty of room under the work station to slip in skidsteer forks to lift it on a trailer.

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