

## Custom Mats Protect Cab Floors

TractorMat produces and sells form-fitting floor mats for tractors and other farm equipment. Each custom-sized mat will cover every inch of floor space and features raised edges that keep the dirt in until you shake it out.

“Our founder, Thomas Kayton, came up with TractorMat with a specific goal in mind—to protect farmers’ equipment from long-term wear and tear and to help preserve resale value when it came time to trade-in,” says Shannon Carter from the TractorMat marketing team. “After spending his youth cleaning out farm equipment that was traded in at his father’s dealership, he knew cleaning out a tractor could be time-consuming and a hassle. Thus, the first form-fitting mats were born.”

The mats consist of a durable thermoplastic rubber that can withstand the rigor of working outdoors. It’s bendable, allowing for easy installation and removal. They clean up with just a shake or hose off with a pressure washer after the muddiest days—no need to pull out the broom or shop vac.

Each TractorMat is designed and made in the U.S. Models are available for tractors, combines, and other farm equipment. “We currently offer mats for a variety of models from John Deere, Kubota, New Holland, Case IH, Claas, and Fendt,” Carter explains. Mats are priced at \$189.87 each. Shipping is a flat rate per box, and three mats can fit per box. Some mats are nonstandard sizes and require different boxes. Each standard mat



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has a 45-day return policy (custom logo mats are final sale).

“Not only are TractorMats easy to install, remove, and clean, but they’re also backed by a limited lifetime warranty. We also offer co-branding, so dealers can add their own logo to our mats. Farmers can find TractorMats at a local dealer or our website,” says Carter.

Contact: FARM SHOW Followup, TractorMat (ph 833-908-0837; sales@tractormat.com; www.tractormat.com).

Using the crop roller within a no-till system can reduce the number of field operations for corn from eight to two.



## Use Crop Rollers For Easy Planting In Cover Crops

I&J Mfg. sells a range of crop rollers that work to knock down existing cover crop plantings on no-till farms.

They specialize in innovative solutions for both tractor attachments and horse-drawn farm equipment. I&J’s crop rollers are designed for no-till farming systems that utilize cover crops.

The I&J front-mounted crop rollers knock down the weed-suppressing cover crop into a dense mat that the tractor can plant in directly during the same pass. Roll over a lush stand of hairy vetch or rye, the company claims, and the kill will be so complete that observers would guess it was sprayed with herbicide. The device tests at 90 percent minimum crop knockdown, even for stalky varieties. This boosts efficiency and ensures less equipment use in the long run. Using the crop roller within a no-till system can reduce the number of field operations for corn from eight to two.

I&J Mfg. based this cover crop roller and crimper’s design on what didn’t work with standard stalk choppers. It’s built with a single cylinder with two bearings rather than eight rolling drums and sixteen bearings found on a chopper. Extensive testing proved

that a 16-in. dia. pipe with 4-in. blades proved most effective. These blades are welded, and replacements can be bolted on as needed. Likewise, it operates in a chevron pattern instead of parallel blades, preventing it from bouncing and kicking up the soil.

While the roller is easy to attach and take off, it can be filled with any non-freezing liquid to add up to 75 lbs. per foot. This changes the weight of the 10 1/2-ft. roller from 1,835 lbs. empty to 2,635 lbs. filled with water.

The roller is sold in widths of 8 ft. (3 row), 10 1/2 ft. (4 row), and 15 1/2 ft. (6 row), though it’s possible to get custom-built widths up to 60 ft. Each roller fits a standard category I or II 3-pt. hitch, and the company offers a 3-pt. adapter for the fronts of tractors that don’t already have one. Pricing ranges from \$3,900 to \$9,900, based on size and before freight costs. Call directly for a quote on custom sizing.

Contact: FARM SHOW Followup, I&J Mfg., 10 S. New Holland Rd., Suite 2, Gordonville, Penn. 17529 (ph 717-442-9451; www.i-jmanufacturing.com).

## EZ-Crank Makes Removing Trailers Easy

The EZ-Crank trailer jack drill adapter aims to make it possible to hitch and unhitch trailers without manually cranking your jack every time. It’s designed to work with heavy equipment trailers, dump and construction trailers, livestock trailers, and even semi-tractor trailers.

John Richardson invented the EZ-Crank after 3 decades of hands-on experience in trucking and excavating. He grew tired of the time-consuming process of hitching and unhitching trailers, so he designed a solution to save others from the tedium of the same task.

His first designs came to life while tinkering in his garage. His workspace provided the inspiration to design a solution that worked with a tool most people already own—a cordless drill. Paired with a drill, the EZ-Crank turns a cumbersome task into a streamlined process simple enough for anyone.

It’s easy to use. Remove the existing handle from your trailer jack, attach the EZ-Crank adapter to a cordless drill, and slide on any 1-in. trailer handle stud. Secure it with the included pin before turning on the drill to raise or lower the trailer. For safety reasons, users should only use the EZ-Crank with an empty trailer.

Reviewers share Richardson’s enthusiasm, noting that the EZ-Crank has transformed the way they do their jobs and makes it easier to move on from loading and unloading trailers and return to work.



**It’s easy to use. Remove the existing handle from your trailer jack, attach the EZ-Crank adapter to a cordless drill, and slide on any 1-in. trailer handle stud.**

Each adapter is \$49.99, with free shipping across the continental United States (pay \$5.99 for Alaska and Hawaii). Note that all sales are final; returns are not accepted.

Contact: FARM SHOW Followup, EZ-Crank (info@ez-crank.com; www.ez-crank.com).



**Lexion e-hybrid system connecting to diesel-powered drivetrain.**

## Claas Concepts Go Electric

Claas showcased semi-electric and all-electric propulsion systems at Agritechnica this past November. The two systems represent the company’s ongoing testing of alternative drives.

The e-hybrid system mounted on a Lexion concept combine uses battery power to offset surge load power needs. This allows the use of a smaller diesel engine that can operate more smoothly at lower rpm’s and use less fuel. The e-hybrid combine was field-tested in 2023.

The Lexion e-hybrid drive train is equipped with a 536-hp. diesel engine. A drive belt on the drive train connects it to a 40-kW electric motor/alternator, a 3-kWh battery, and a 48-volt inverter. The electrical system is designed to operate in the low-voltage range (<60-volt touch), eliminating the need for special training by servicing personnel.

Under normal load, the system maintains a charge on the battery. When the load increases, the electric motor, with its instant torque, provides an immediate, temporary assist. This reduces the need for the diesel engine to speed up and reduces fuel use by 8 to 10 percent, as well as CO2 emissions.

If the concept proves itself, it’ll reduce the

size of a diesel engine needed on any self-propelled machine. The concept combine would normally be equipped with a 626-hp. diesel. With the battery-powered electric motor assisting, the smaller 90-hp. engine would operate at 1,600 rpm’s versus the larger engine’s normal 1,800 rpm’s.

Also on display was an all-electric Scorpion 732e Telehandler. Unlike the e-hybrid Lexion, the telehandler is reportedly closer to a market launch.

The 732e is a joint development with Liebherr, the maker of Claas’ Scorpion line of telehandlers. In 2022, Liebherr shared an emission-free, battery-powered telehandler concept.

The 732e is equipped with two independent 90-kW electric motors approximately equal to 121 hp. The 64-kWh modular battery offers up to 4 hrs. of use and is recharged with the onboard, 22-kW battery charger.

The electric telehandler has a lift capacity of 3.2 tons and can reach nearly 23 ft. The top speed is 18 1/2 mph.

Contact: FARM SHOW Followup, Claas Group (www.claas-group.com) or Liebherr (www.liebherr.com).