



Horning's new rotary head is wide enough to take 2 rows at a time, and can handle any row spacing or direction.

2-Row Rotary Head Cuts Across Rows

You can chop with the row, across the row or on a diagonal with the new 2-row head from Horning Mfg. The rotary blade, which is wide enough to take 2 rows at a time, eliminates concern over row spacing and row direction.

"You can test different row spacings without finding a matching head, and you don't have to worry about gathering chains lining up with the row or even staying on the row," says David Horning, Horning Mfg. "It gives you the option of doing narrow-row or solid-seeded crops planted with an air seeder or drill. It will cut sorghum or small grains, as well as low-profile downed crops."

The company previously introduced a 3-row head with 2 cutting blades for high-acre operators cutting upwards of 800 acres a year. The single blade, 2-row unit is a lower-cost unit designed for fewer acres and for low maintenance. It has a heavy-duty gearbox with over-running clutch.

"It's a very simple head with not a lot to go wrong," says Horning. "The #60 drive chain runs below the cut-off disc. Even if something comes apart in the drive system, parts won't end up in the silage."

The 60-in. wide mouth of the head consists mostly of a stack of discs, 2 of which are mounted to a drum with large teeth to gather and direct vegetation as it is cut into the feeder housing. A single blade mounted below the drum does the cutting. Horning explains that the gathering discs revolve at a slightly lower rpm than the cutting blade.

The cutting blade on the Horning head is also designed for ease of maintenance. It has 4 replaceable sections of hardened cutting teeth. The alternating colors of black and yellow make it easier to judge speed.

After 4 years of testing prototypes, Horning is confident the corn head will find a market. "We've had a number of farmers who ran prototypes in their fields during the past year place orders," he says.

The 2-row head is priced at \$10,500.

Contact: FARM SHOW Followup, Horning Mfg., 301 Twin Springs Ct., New Holland, Penn. 17557 (ph 717 354-5040; horningmfg@ibifax.com; www.horningmfg.com).



"It does a better job of leveling because it rides on wheels and because the frame is twice as long as before," says Tim Mounce.

3-Pt. Grader Converted To Pull-Type

Old 3-pt. mounted graders can be turned into low-cost pull-type units for use with tractors that don't have a 3-pt. hitch, says Tim Mounce, Downing, Wis., who recently sent FARM SHOW photos of a 2-wheeled, pull-type grader that he made.

"I use my Farmall tractor to pull it. It does a better job of leveling than a 3-pt. grader because it rides on wheels and because the frame is about twice as long as before," says Mounce.

He buys 3-pt. mounted graders cheap at auctions and says this is the fourth pull-type conversion he has made so far. "I recently sold this one to a neighbor who uses it to level his horse pulling track. The other units went to farmers who use them to grade their

driveways," says Mounce.

Mounce cuts off the 3-pt. hitch assembly, then uses box tubing to add a drawbar hitch on front and a long frame on back. The 15-in. wheels are off an old trailer and pivot on the trailer's wheel spindles. A hydraulic cylinder is used to raise and lower the blade.

Blade angle is adjusted by changing the position of a pin in a semi circular steel plate already on the grader. A bolt runs up through the center part of the plate to form a pivot point. The blade can be mechanically set at an angle in either direction.

Contact: FARM SHOW Followup, Tim Mounce, N10954 50th St., Downing, Wis. (ph 715 781-2746; tembcm@gmail.com).

Add-On Auto Steer Fits Older Equipment

Farmers using tractors built as far back as the late 1970's can now enjoy the benefits of hands-free steering thanks to the new Rebel™ autosteer system from Outback Guidance. Product Manager Mike Bannister says that Rebel opens the door for virtually any farmer, regardless of operation size, to enjoy the economic and operations benefits of autosteer.

Rebel is available in three packages that cost from \$5,995 to \$11,995. The lowest priced Rebel Broad-Acre version, designed for tillage, offers precision control from 6 to 8 in., pass-to-pass. It includes a 7-in. touchscreen display, a smart antenna, the intelligent drive control system, and the hydraulic steering kit. Optional cost items include a 10-in. screen, an ISOBUS control or a Legacy control. The mid-level Rebel Row-Crop system, priced at \$8,995, includes the same equipment as the lower priced model, with accuracy at 2 to 4 in. pass-to-pass. The RTK Rebel Sub-Inch provides sub 2-in. accuracy pass-to-pass, ideal for planting and spraying. All three versions adapt to any terrain and provide accuracy for straight lines, curved or contour fields, and around obstacles.

Bannister says the Rebel system even has built-in Wi-Fi for connectivity, allowing internet updates. There's also camera support and a steering feature for headland turns. An electronic steering option turns the wheel



Rebel autosteer system can be used on tractors dating back to the late 1970's.

of most farm equipment and can hook into steering technology built into newer equipment. The company says its pre-loaded profiles match equipment that most farmers already own, so they don't have to buy expensive new tractors to achieve precise steering.

The Rebel includes more than 1,000 pre-tested hydraulic systems to steer older or newer autosteer-ready equipment.

Contact: FARM SHOW Followup, Outback Guidance, Ag Junction, 2207 Iowa Street, Hiawatha, Kan. 66434 (ph 800 247-3808; www.handsfreefarm.com).

Lone Star Drills Ideal For Remote Areas, And Third World Countries

If you need to drill just one well, then it is probably not economical to purchase a Lone Star portable drill, says Mike Hale, Sales and Marketing Manager for the Texas company. In most cases, drilling a 100-ft. or 200-ft. well can be done by a drilling company for less or about the same cost of buying a drill.

However, if you need multiple wells - like a Texas rancher who needed 18 wells on his 50,000-acre ranch - then the cost per well drops dramatically and purchasing a \$20,000 to \$30,000 Lone Star Drill makes it very cost effective.

These portable drills were designed more than 30 years ago by a Houston well driller who became involved in overseas ministry work. He knew that clean water could make a big difference in the health and quality of life for thousands of people in small remote villages where large drill rigs couldn't go. So he designed a drill that could be transported, operated and maintained easily with just a few hours of training. Because of the large demand for small drills like these, they earned the name "Village Drills" and are widely used in more than 100 countries worldwide.

Little Beaver Inc. acquired Lone Star Drills in 2005 and has redesigned and added many features that have made it a leader with nonprofit and ministry groups.

With only 5-ft. pipe sections, the mechanical models can be transported on rafts and small barges to remote African villages. In the U.S., they can be used on small islands and in backyards that larger truck-mounted drills cannot access. Once a well is drilled, a person can install the casing, flush it, cap it and install an electric or hand pump.

All Lone Star Drills are sold as a package, complete with all the items needed to drill a well that is ready for casing. The model number of the drill determines the depth the drill can go, so the LS100 can drill 100 ft., for example.

Lone Star offers both mechanical and hydraulic drills for wells as deep as 400 ft. with many options, including down hole



Lone Star offers both mechanical and hydraulic drills for wells up to 400 ft. deep. Options include down hole hammers, and roller cone bits for rocky areas.



hammers and roller cone bits for rocky areas. Prices range from \$6,000 up to \$85,000, depending on the model and options.

Contact: FARM SHOW Followup, Little Beaver Inc., P.O. Box 840, Livingston, Texas 77351 (ph 800 227-7515; www.lonestardrills.com).