

Mini-Mixer Works Like A Full-Size TMR Unit

It may be small, but Jaylor Fabricating's new mini-mixer can chew up hay and other feeds as well as a big TMR mixer. With a 50-cu. ft. capacity — enough to feed 10 dairy cows with one mix — the mini mixer is designed for small dairy operations, special needs groups in large dairies (sick or dry cows), cow/calf operations, and for small ruminants such as sheep, goats and deer.

"Since we introduced it in September we have sold it in every sector we built it for," says Gerry Tamminga, sales manager of the Ontario company. "Abroad there's also phenomenal interest."

The vertical TMR mixer has a digital scale to weigh each ingredient and is big enough to

handle small square bales or slices off large square bales. It comes in four models. The top of the line (\$12,600) is self-propelled with hydrostatic all-wheel drive that travels easily through mud, snow and farmyard terrain. It has a 13 hp Vanguard industrial engine and a robust hydraulic system.

"It can turn 90 degrees, so it's very maneuverable, and fits down most tie stall feed aisles," Tamminga says.

The trailer model (\$9,090) can be pulled by an ATV. There's also a stationary model with a 10 hp electric motor (\$9,130) and a truck-mount model that is skid-mounted for easy installation on a flatbed pickup (\$9,130).

The mini mixer has a durable plastic tub,



Jaylor mini-mixer has a 50-cu. ft. capacity and comes in 4 models, including this self-propelled unit.

which may outlast steel according to testing.

The 50-cu. ft. model is the smallest size Jaylor makes, but the company plans to add larger mini-mixers in the future. The next model will have a 100-cu. ft. capacity.

Check out Jaylor's website for dealers.

Contact: FARM SHOW Followup, Jaylor Fabricating, 071213 10th Line, Orton, Ont., Canada L0N 1N0 (ph 800 809-8224; www.jaylor.com).

"No Hydraulics" Dump Trailer

No pumps, hoses or fluid are needed to quickly and easily dump a Red-E-Dump trailer. With payloads from 4,000 lbs. to 12,000 lbs., this hydraulics-free trailer is a low cost and low maintenance design.

"A roofer friend of mine wanted a small trailer that he and his workers didn't have to shovel off," recalls Larry Stewart, Red-E-Dump manufacturer. "I worked on the design for about a year and a half, introducing it finally this past winter."

The trailer dumps mechanically, thanks to its clever double frame design. The lower frame supports the weight of the trailer in transport. The upper frame, which connects to the trailer tongue, rolls back and forth on top of the lower frame.

To dump the trailer, the operator sets the trailer wheel brakes and backs the towing

vehicle up. As the upper frame and the trailer bed slides back over and past the end of the lower frame, the bed dumps.

"It's like pulling the legs out from underneath a chair," explains Stewart. "It removes all the support from under the bed. All it can do is dump."

To return the bed to a horizontal position, the operator simply pulls the vehicle ahead again. The bed slides back up and over the lower frame and into place, automatically triggering a safety lock.

"With most newer trucks, the operator can set or release the trailer parking brakes from the cab," says Stewart. "The only time he has to get out is to manually release the safety lock for dumping."

All Right Steel offers three models ranging in price from \$2,500 for the 4-ft. by 8-ft.



Operator sets the trailer brakes and then backs up. As upper frame and trailer box slides back past end of lower frame, it dumps.

32B with 16-in. sides to \$5,000 for the 8-ft. by 10-ft. 80B with 21-in. sides. The company is looking for dealers.

Contact: FARM SHOW Followup, All

Right Steel, 1131 N. Little, Cushing, Okla. 74023 (ph 918 285 5600; www.rededump.com).



Ditcher comes with two 22-in. disc blades. Blade angle can be adjusted independently to easily vary width of furrow.

3-Pt. Mounted "Double Disc Ditcher"

"My new 3-pt. mounted double disc ditcher is designed to make drainage trenches and irrigation furrows. The design allows you to adjust the angle of two 22-in. disc blades independently to vary the width of the furrow," says Karl Neudorf, Cottam, Ont.

The ditcher has a heavy-duty frame made from 6 by 4 by 1/4-in., powder-coated steel tubing. The 2 disc blades are positioned one behind the other, and the angle of each blade can be adjusted by simply loosening a bolt. The rear blade can be adjusted sideways to make a wider trench by loosening another bolt. A bracket on back can be used to add tractor weights for extra ballast.

"It lets you make a narrow furrow that's much smoother to cross over compared to trenches made by a conventional V-plow," says Neudorf. "The rig's heavy-duty frame lets you operate the unit at faster ground

speeds than a pto-operated ditcher and with less maintenance. It throws the dirt far from the furrow without leaving ridges next to the furrow."

The ditcher comes with greaseable hubs and spindles rated at 4,500 lbs. The hitch will accommodate Cat. I, II or III 3-pt. hitches. It sells for \$1,995 (Can.) plus S&H.

An optional front-mounted ripper shank (\$250) is available for hard or rocky soil conditions. The shank is reversible with 2 hard-surfaced points. Optional side arms (\$175) let you convert the ditcher to make ridges or beds for planting trees or vegetables.

The unit can be viewed in action on Youtube under "double disc ditcher". Dealer inquiries are welcome.

Contact: FARM SHOW Followup, Karl Neudorf, 8580 Concession 8, Rt. 3, Cottam, Ont., Canada N0R 1B0 (ph 519 776-9539).

Wind-Generated Compressed Air

Instead of creating electricity, Win-Pressor turbines produce compressed air. Ervin Hochstetler has been working on the design for 4 years as an improvement on past designs that used conventional blades which weren't fast enough to get oil to pistons and tended to burn out compressors.

"The key is in the blades when powering oil-lubricated compressors," he explains. The Win-Pressor has three high-speed, lightweight fiberglass wind turbine blades.

"We had to customize our blades to get the start-up torque," Hochstetler says. The turbine is designed to start up the compressor in relatively low winds, but not exceed the normal operating rpm in high winds. The Win-Pressor system allows energy from the wind to be stored for use on days when there is no wind.

"We have a customer with 14,000 gal. of storage," Hochstetler says, noting that customers (many Amish) use pneumatic tools and air equipment in their businesses. Others use compressed air for pumping water or aerating ponds.

The Win-Pressor comes in two sizes. The JKU 1 1/2 hp model (\$2,995) has an 11-ft. rotor diameter. Hochstetler recommends a minimum of 3,000 gal. storage for it. The JWU 5 hp model (\$4,250) has a 16-ft. rotor diameter, with recommended storage of at least 5,000 gal.

They come with condenser tanks and Jenny air compressors that have been customized to work with the turbines and have manual and automatic shutdown features.

"They come with everything but the



Win-Pressor turbines are designed to produce compressed air instead of creating electricity.

tower," Hochstetler says, adding that he can arrange to put up towers if the customer lives near his Unity, Maine, company. Towers need to be at least 50 ft. tall.

"I tell potential customers that if the average wind speed is less than 10 mph I don't recommend this unit," Hochstetler says.

Even where there is good wind, customers need a backup unit if they use an air compressor on a regular basis.

"We use our unit for pneumatic tools, for fans in the greenhouses, to pump water and to run an air motor under a washing machine, but we still have a standby compressor (diesel powered)," Hochstetler says.

While most customers are Amish, he notes that the Win-Pressor has attracted worldwide interest for a variety of uses. A California customer is looking into using it for separating salt from seawater.

Contact: FARM SHOW Followup, Ervin Hochstetler, Win-Pressor Co., 336 Stagecoach Rd., Unity, Maine 04988 (ph 207 948-4800).