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 build 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 track-mount model that is skid-mounted for easy installation on a flatbed pickup ($9,130). The mini mixer has a durable plastic tub, 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 LON 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 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 trailer bed slides back over and past the end of the lower frame, the bed dumps.

“It’s like pulling the legs out from under 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 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.

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

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 JKE 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.

“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.

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

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

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