

Single And Dual Pto's For Stationary Engines

Why settle for either 540 or 1,000 rpm pto shafts on stationary engines when you can have both?

"Our first prototype was installed in the fall of 2003, and it's still working. Many tractors have the option of two speeds, this clutch/gear reduction assembly lets stationary engines have that option, too. A great way to make use of that idle engine. Saves you an extra tractor. Our customers use them on both mobile and stationary applications. Such as manure agitator/pumps, irrigation pumps, blowers and many other uses."

Beiler says the dual output is rated up to 175 (intermittent hp), single output (wider gears), and up to 250 (intermittent hp). Both dual and single output units have 3 standard input/engine speeds – 1,800, 2,150, and 2,400 rpm's. All geared to 1,000 and 540 on dual output.

Single output has one set of gears and can be purchased with either 1,000 or 540 rpm output. He says the units are simple to install and fit SAE standard gas and diesel engines. The units are available with 10-in., 11 1/2-in. single, and double plate mechanical clutches.

Units come with 1 3/8-6 (540), 1 3/8-21 (1,000), 1 3/4-20 (1,000) splined or straight keyed shafts.



Heavy-duty Tayloria single and dual output gearboxes are available from Beiler Engine and Mfg.

Now also available with optional 12-volt oil cooler kit.

Note: New larger clutch reduction assemblies, 250 to 400 (intermittent hp), fits SAE #1 bell housings and SAE #14-in. flywheels, in both double and triple plate clutches.

Need flywheels machined to SAE standards, such as truck, tractor and others? Call

Beiler. They run a machine shop and also manufacture gears and splines.

Contact: FARM SHOW Followup, Beiler Engine & Mfg. LLC, 1630 Georgetown Rd., Christiana, Penn. 17509 (ph 717 529-6595 from 8:00 to 8:30 a.m. EST, or leave message).

Reader Inquiry No. 160

Apple Cider Press/Grinder Geared To Small Orchards

If you have a small orchard or U-Pick apple operation, Gerald Simons has a cider press for you. Frustrated with the small hand presses available and not having enough apples for a commercial press, Simons designed an "in-between" one that he's now building for sale.

"Most commercial presses require a minimum of hundreds of bushels," says Simons. "Mine will handle about a bushel of apples in 10 min. At an average of 3 1/2 gal. of cider per bushel, I can press out 20 to 25 gal. of cider per hour. You can also use it with berries, grapes and tomatoes."

Simons designed his machine to be a one-man operation. The wheeled machine can be used anywhere with electric power. It's also simple and low maintenance. "When you're done with mine, clean it out, throw a tarp over it and forget about it until next spring," says Simons.

While Simons' cider press is made from food grade materials, in most states you can't sell raw cider as produced with his press. You can, however, still turn cider making into a profit center.

"One of my customers with a small orchard sells people the apples and then

charges them to use the press to make their own cider," says Simons. "He'll make money from the apples, from the press and from selling them jugs for their cider."

The most complex part of the machine is the apple processor. It's a long chute with a set of 20 Skil saw blades at the bottom. They are separated by 135/1000-in. shims, just enough to let the apple pulp and juice fall through into a plastic 5-gal. pail.

"When the apples hit those blades, they practically explode into juice and particles the size of creamed corn kernels," says Simons. "You can pour apples in about as fast as you want, and the 1/2 hp motor won't slow down."

Safety is important to Simons. He designed the chute to curve so it's physically impossible to get your hand to the blades. A kill switch disconnects the motor if the chute is removed.

As apples are pulped, they move to Simons' unique barrel press, which rotates within its stand for easy loading and emptying. The complete unit (apple processor and press) is available with pneumatic drive \$2,850 (MSRP) or a manual \$2,250 (MSRP) design.



Frustrated with the small hand-operated cider presses on the market, Gerald Simons designed this model that can press out 20 to 25 gal. of cider per hour.

Simons builds his cider presses himself in groups of five. If none are in stock, it may be two weeks before one can be shipped.

Contact: FARM SHOW Followup, Gerald Simons, 570 Green Acres Lane, Bosque Farms, New Mexico 87068 (ph 505 869-6553 or 855 869-6553; applesandwine-press@yahoo.com; www.appleandwine-press.com).

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