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System lets operator pick up whole logs, saw them to firewood lengths and split the blocks, all without leaving the skid steer seat.

One-Man Firewood Processor Mounts On Skidsteer

You can start a one-man firewood operation with a new processor that quick-attaches to a skid steer loader. With the new Hahn HFP160 Firewood Pro, you can pick up whole logs, saw them to firewood lengths and split the blocks, all without leaving your seat.

“This is the only one-man firewood operation I know of,” says Gary Olsen, President of Hahn Machinery in Two Harbors, Minn. “It usually requires someone on a loader and someone to run the processor. Our system takes the processor right to the woodpile, and there’s nobody on the ground.”

The 2,020-lb. processor needs a big enough loader to handle its weight. In addition, the processor needs a standard auxiliary hydraulic flow of 20 gpm for optimum performance and three hydraulic connections.

“All functions on the processor are operated by 8 push buttons,” Olsen says. They are

on control modules tied to the skid loader’s joysticks and connected by a detachable cable to the processor.

Logs are picked up with the processor’s forks, rolled onto the in-feed trough, and moved up to a butt plate by a chain conveyor and roller. Once in position, a high-speed chainsaw activates. When the block is cut, it falls into the splitting trough and is split with a 4 by 24-in. cylinder. The processor can cut wood into lengths up to 20 in. and can split the wood into 4, 6, or 8 pieces, depending on the choice of splitting heads. While it’s designed for a skid steer loader, some customers are making modifications to put the processor on excavators and tractors.

The HFP160 was in development for two years. In January 2009, it completed an extensive 6-month field trial on a commercial woodlot. Improvements were made, and Hahn began selling the processor last spring.

“Currently, the processor carries a base price of \$32,500, including a hydraulically adjustable 4-way splitter and two cut lengths,” according to Olsen. “That’s still on the low end for a commercial grade firewood processor.”

“We’ve been building heavy-duty logging equipment since 1972,” Olsen says, “but this is our first venture into firewood processing machinery.”

The processor can be purchased directly from the company. Hahn ships anywhere in the U.S., Canada and overseas.

Videos of the processor in action can be seen on Hahn’s website.

Contact: FARM SHOW Followup, Hahn Machinery Inc., P.O. Box 220, Two Harbors, Minn. 55616. (ph 800 483-8825; www.hahnmachinery.com).

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Self-Cleaning Shallow Water Screen

Anyone who depends on river or canal water for irrigation will be interested in this new water-driven, self-cleaning screen that’s designed to work in water as shallow as 4 in.

“There’s nothing else on the market that can pump out of such shallow water and also clean itself at the same time,” says inventor Bob Wietharn.

The Riverscreen floats on four pontoons and draws water from more than 35 sq. ft. of screening area. Water is delivered through a pipe available in 4, 6, 8, 10, or 12-in. dia. with 150 gpm to 4,000 gpm capacity. A screened, rotating drum measuring 32 by 48 in. is supported by an aluminum frame that mounts on the pontoons. Flowing water moves past a series of paddles, which force the drum to rotate and self-clean via a stainless steel mesh screen. As the screen rotates with the drum it goes by a series of jets, which dislodge

anything that sticks to the screen.

An optional electric power drive can be added for use in slow-moving water, tailwater return pits, and manure lagoons. Also optional is a galvanized lift boom that lets one person quickly swing out and gently lower the Riverscreen to the water surface.

“It draws water that’s only 2 in. below the surface, which is usually the cleanest water,” says Wietharn. “It draws water from seven times the area of the suction line. You can draw from shallower water if you’re pulling it from a bigger area, because the the water moves more slowly.”



Water-driven, self-cleaning screen is designed to work in water as shallow as 4 in.

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