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Lake Erie Unveils Pitbull 5700 Ahead of 2020 Anniversary

2020 is on track to be a big year for Lake Erie Portable Screeners — the company will celebrate its 10th anniversary and will officially unveil its largest portable screener, the Pitbull 5700.

Engineered and manufactured at the company's headquarters in Lake City, Pa., at approximately two and a half times larger than the company's 2300 series of screeners, the all new Pitbull 5700 leads the pack as Lake Erie Portable Screeners' largest portable screener. The 5700 designation references the screener's capability to support the 5 to 7 yd. loader class.

The first public showing of the Pitbull 5700 is planned for the 2020 ConExpo show in Las Vegas. By coincidence, when company owner and President Rick York arranged for a booth at the show, he discovered that Lake Erie Portable Screeners had been assigned, appropriately enough, booth number S5700.

Driven by customer requests for a larger machine built to the same exacting standards Lake Erie Portable Screeners is noted for, the Pitbull 5700 has been in the works since the 2017 ConExpo trade show.

The goal behind the design and construction of the Pitbull 5700 portable screener was to produce a severe duty, direct feed screener geared toward the producer and large contractor markets.

"With rising costs associated with moving materials on and off the job site, the prospect of processing materials on site has become an increasingly attractive alternative for contractors," said company representative Lance Connolly. "The Pitbull 5700 is easy to transport and can move in, set up on a level pad and start working immediately."

The Pitbull 5700 portable screener is designed to perform as a combination machine scalper/finisher to offer a single machine solution covering a broad range of processing applications, ranging from topsoil and biomass materials to graded aggregates, shot rock and recycling materials. With the trend for manufacturers in the marketplace toward the production of mobile (tracked) screening plants, within its size range, the Pitbull 5700 portable screener is a standout.

Two clear advantages for the portable aspect of the Pitbull 5700 is the ease of transport and the conveyor's operating tip height of 12 ft. 6 in. (3.8 m) offers ample clearance for stockpiling materials.

Throughout the design process, Lake Erie Portable Screeners interviewed current and past owners of both mobile and portable screening plants, incorporating much of what it learned into the production of the Pitbull 5700. The result places a strong emphasis on simplicity and rugged construction, according to the manufacturer.

Fully enclosed within a compartment that includes a lockable panel for the easily accessible engine and machine controls, the Pitbull 5700 is powered by a Tier IV Final Doosan 130 hp water cooled diesel engine. The digital engine control and monitor system has integral safety shutdown protection.

The plant is totally hydraulic driven with a thermostatically controlled oil cooler and incorporates a cyclone hydraulic reservoir to increase system efficiency by removing air entrained from the hydraulic fluids while reducing volume for



The Pitbull 5700 portable screener joins Lake Erie Portable Screeners' expanding lineup of material processing equipment.



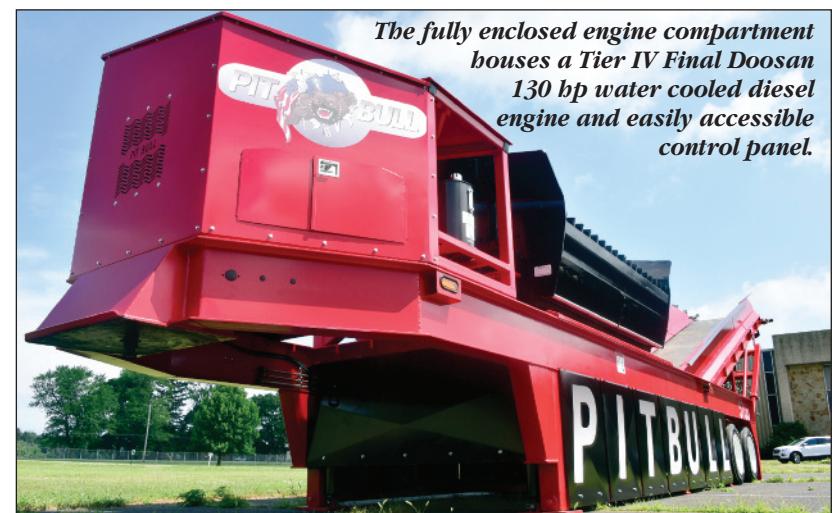
The Pitbull 5700 portable screener's hydraulically powered shaker table is mounted on eight Firestone rubber springs.



Lake Erie Portable Screeners' Pitbull 5700 is approximately two and a half times larger than its predecessor, the Pitbull 2300 portable screener.



The Pitbull 5700 portable screener's 10 by 7 ft. direct feed screen box features a two deck system with a combined screening surface of 140 sq. ft.



The fully enclosed engine compartment houses a Tier IV Final Doosan 130 hp water cooled diesel engine and easily accessible control panel.

economy and reduced environmental impact exposure. The system employs a Danfoss variable displacement piston hydraulic pump, Danfoss control valve and Danfoss gear-roller style conveyor motors and the shaker table is driven by a Permco hydraulic motor.

The Pitbull 5700 Portable Screener's 10 by 7 ft. (3 by 2 m) direct feed screen box features a two deck system with a hydraulically powered shaker table mounted on eight Firestone rubber springs. Grizzly bars are standard on the top deck with a screen on the second deck, which may be sized for processing a variety of materials. The system provides a combined screening surface of 140 sq. ft. (13 sq m).

The Pitbull 5700's conveyors employ a roller bed design using unequal troughing rolls with greaseable pillow block bearings on the head and tail pulleys. The transfer conveyor has a 12 ft. 7 in. (3.8 m) working length while the stacking conveyor is 38 ft. 4 in. (11.6 m) long and features a hydraulically controlled folding system for transport. Both conveyors utilize 5 in. (12.7 cm) CEMA "C" rollers and the 60 in. (152 cm) wide belts are a smooth surface three ply.

The unit's travel length is 47 ft. (14.3 m), the travel height is 11 ft. 8 in. (3.6 m) and the travel width is 8 ft. 6 in. (2.6 m). The transport weight is approximately 41,000 lbs. (18,597 kg).

The frame is I beam and tubular steel frame construction throughout, fully welded and gusted and has onboard hydraulic landing jacks for easy hookup to the standard fifth wheel tractor trailer hitch. The Pitbull 5700 is equipped with Rockwell 22.5K tandem axles with dual wheels and airbag suspension riding on 255-70R/22.5 radial tires on steel disc wheels. Both axles are equipped with type 30 air brakes and auto slack adjusters.

For more information, visit pitbullscreeners.com. ■