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Haver & Boecker debuts F-Class portable plant

Haver & Boecker launched the Tyler F-Class portable plant, which includes several new technologies to improve setup time and extend equipment longevity in quarry and mining operations.

The portable plant features a new, custom-built chassis equipped with six hydraulic run-on jacks that quickly level the plant, eliminating the need for cribbing. The run-on jacks also ensure the chassis stays level during operation, which minimizes equipment wear.

“Portable plants should not only give producers the flexibility to move from site to site or within a quarry,” says Karen Thompson, Haver & Boecker Canada president. “They should also be fast and easy to set up. We are committed to producing portable vibrating screen plants that possess these qualities, with the same durability, longevity and minimal maintenance as stationary vibrating screens.”

Producers can move and set up the portable F-Class in less than 30 minutes, Haver & Boecker adds. The chassis’ hydraulic system raises the vibrating screen to its inclined operating position – usually 20 degrees. Takedown is even faster, requiring less than 20 minutes to lower the unit so it can move to the next location.

In addition to run-on jacks and hydraulic walkways, several other features offer enhanced durability and minimize maintenance, according to the company. These include a new bolted-on suspension that can be removed during operation to eliminate the risk of damage. The chassis is also sandblasted and coated with a heavy-duty finish for optimal wear life and rust resistance.

The F-Class portable plant offers as many as three screen decks. Its feed conveyor, cross conveyor and fines conveyor are hydraulically operated for precise material placement. The plant’s fines chute has a full-width access door that allows users to easily unload material buildup, and an oversize chute features abrasion-resistant liners that are bolted on for easy replacement.

The F-Class vibrating screen has an advanced double eccentric shaft design, supported by four high-performance, double-spherical roller bearings. Additionally, Haver & Boecker says the F-Class is ideal for screening situations that require consistent, load-independent performance at a constant G-force.

Featuring a unique and reliable four-bearing technology, the vibrating screen delivers a consistent stroke. With the right media choice, the F-Class can virtually eliminate blinding, pegging and material contamination, the company adds.

The F-Class portable plant can be customized to include a crusher, conveyors or other components for enhanced productivity. The machine is ideal for tough applications, such as scalping and classifying ores, minerals, stones, sand and gravel, the company says.