

Haver & Boecker Niagara F-Class Portable Plant Increases Production by 25%



Haver & Boecker Niagara, Haver & Boecker's new mineral processing brand, offers the Niagara F-Class portable plant. The circular motion inclined vibrating screen allows operations to increase production by 25 per cent while making screen media change-outs easier on an inclined vibrating screen.

We design technology with the success of our customers in mind," said Karen Thompson, President of Haver & Boecker Niagara's North America and Australia operations. The F-Class portable plant is putting more money into our customers' pockets while making their jobs easier."

A circular motion inclined vibrating screen uses gravity to help move material down the screen deck, reducing pegging as well as energy and horsepower requirements. On a 20-degree incline and at 70-75 ft per minute travel rate, an inclined screen will deliver up to 25 per cent more capacity than a linear-stroke horizontal machine. Operations like Alberta-based trucking and heavy construction company, Pidherney's, are consistently reporting production increases of that much or more while using the equipment. "The F-Class portable plant exceeds expectations," said Merv Pidherney, Pidherney's owner. "I looked at other plants and they just didn't meet our needs. I wanted a trouble-free plant and I got it."

Inclined vibrating screens can make screen media change-outs more difficult and time consuming than on horizontal screens, however. To address this, the portable plant is manufactured with six hydraulic run-on jacks to raise and lower the vibrating screen quickly. Producers gain the production benefits of an inclined screen with the maintenance benefits of a horizontal screen. In addition, plants outfitted with Haver & Boecker Niagara's Ty-Rail quick-tensioning system can cut screen change-out times in half.

The vibrating screen itself is ideal for tough applications, such as scalping and classifying ores, minerals, stones, sand and gravel. The Niagara F-Class has an advanced double eccentric shaft design, supported by four high-performance, double-spherical roller bearings. It is especially beneficial for screening situations that require consistent, load independent performance at constant g-force. Featuring a unique and reliable, proven four-bearing technology, the vibrating screen delivers a consistent stroke, which two-bearing screens cannot provide.

The F-Class portable plant can be customised to include a crusher, conveyors or other components for enhanced productivity.