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Castings and Sand Transport with the JOEST Vibrating Through Type Feeder

Type FSM as a heavy version with vibration width regulator

The vibrating through type feeder is positioned after a pre-shakeout feeder. The 1,400 mm wide and 12,600 mm long type feeder delivers the cast iron parts to baskets, which are attached to a suspension track, via a manipulator. The remain sand deduction runs parallel.

The vibrating through type feeder relies on the mass compensation resonance principle. The vibrations and dimensional forces are compensated by active vibration dampers. The result is that transmission of vibration to the foundational steel construction is minimised.

The heavy duty vibrating FSM feeder differs mechanically from the common trough type feeder. Some parts are manufactured from solid material when manipulators are used, in contrast to the common feeder. The extra durable trough, which is fixed on top, is stabilised by additional suspension arms and stiffening. These additional suspension arms ensure a clean and straight output of the 600 Grad cast iron parts, despite rough conditions caused by the manipulator.

The 13,8 t feeder's efficiency is due to its 7.5 kw electric motor. The modularity of the parts allows for an easy assembly even in restricted spaces. The vibrating feeder is equipped with a vibration width regulator so different products or product sizes can be accommodated. The machine delivers up to 116 t of sand per h.

No matter what requirements our customers may have – JOEST offers the required experience, know-how and custom engineered solutions for your market success. Simply contact us!

JÖST GmbH + Co. KG is a medium-sized, owner-managed company and an international leader in the field of vibration technology. Our core competences are the design and manufacture of vibratingscreens, vibrating drives as well as setting up complete process engineering solutions for processing bulk materials.

Press contact:

Sabina Hagedorn

Marketing Manager

Phone: +49 2590 98 312

Fax: +49 2590 98 172

Email: shagedorn@joest.com