

Product datasheet

Multiple vibrating screen goovi®

A revolution in screening technology

It's good vibrations all the way with our multiple vibrating screen. goovi® uses a revolutionary, patented drive system with electrically synchronised unbalanced motors, which can turn the screen into either a circular, a linear or an elliptical screen. With this flexibility, the goovi® screen can be used for almost every application in secondary and tertiary screening in the aggregates, mining, or recycling industry. The motion type and transport direction can be easily set with the included PLC system, so you can adapt to changes in the feed material on the fly.

Features

- Screening of all kind of bulk materials such as aggregates, sand, recycling material or crushed ore
- Revolutionary, patented drive system
- Motion type infinitely variable

- High screening efficiency even for critical materials
- Broad product range with different screen surfaces, screen clothes and no. of screen decks available
- Customised design available on request
- Less height and weight compared to traditional screens
- High capacities at low energy consumption
- Self-cleaning function for screen clothes
- Fully digitalised screen can be integrated into existing control systems

Drive system

- Direct drive with lifetime greased unbalanced motors
- Patented, PLC based synchronisation of unbalanced motors
- Low maintenance due to less mechanical components

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Screen tray

- Bolted / clamped screen tray gives high fatigue strength
- Optimised position of unbalanced motors reduces dynamic stress in side walls
- Flat design enables implementation into existing plants

Screen decks

- Broad choice of screen clothes (wire mesh, rubber, PU)
- Single and double deck available

Support

- Support by air springs with variable pressure

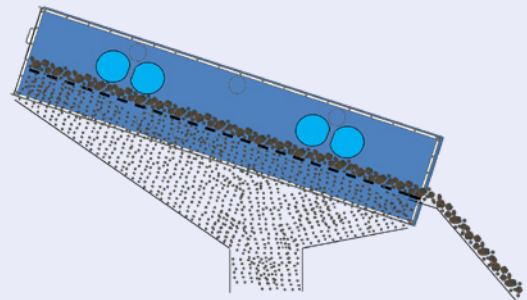
Options

- Dust suppressing hood and water spraying system

Technical specification

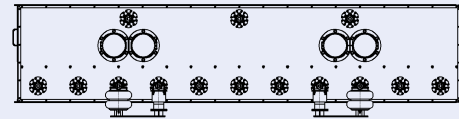
General data	
Materials	All kind of bulk material: aggregates, ores, recycling material, slag etc.
Maximum feed size	80 mm
Screen	
Type of screen	Multiple vibrating screen
Screening area	11 m ² - 26.4 m ²
No. of screen decks	Single deck & Double deck
Available widths (w)	1.8 m, 2.1 m, 2.4 m, 2.7 m, 3 m, 3.3 m
Available length (l)	6 m, 7 m, 8 m
Screen clothes	Wire mesh, rubber, PU
Inclination	Variable
Screen support	Air springs with variable pressure
Total weight	5,500 kg – 17,000 kg
Total height	1.2 m – 1.8 m
Drive	
Drive concept	Direct drive with unbalanced motors
Motor power	8 x 5.8 kW – 12 x 8 kW

Working principle

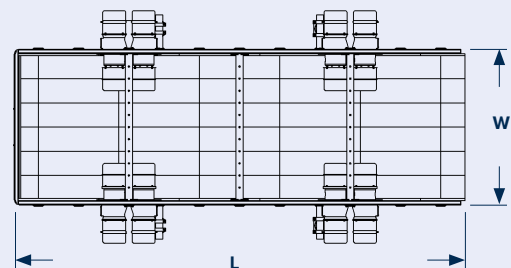


Main dimensions

Side view



Top view



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