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MCS Circular Vibrating Screen



Circular vibration for classifying aggregate, sand, coal, and granulated materials. Select the screening area and number of decks to suit your process.

APPLICATIONS

Aggregates and sand · Granular materials · Process lines

Operation and maintenance.

From the screening surface and drive system to the feed arrangement and discharge openings, every component serves the same goal: separating material into the required fractions.

01

Feeding

Material is distributed evenly across the screening surface.

02

Classification

Vibration separates material according to the screen aperture size.

03

Fraction discharge

The separated products move through their respective outlets to the next process step.

MACHINE DETAILS



01 Screening surface

The screen aperture and screening surface are selected according to the target particle size and material properties.

02 Deck arrangement

The number of decks is determined alongside the desired number of products and screening capacity.

03 Drive

Vibration, feed distribution and the screening surface work together. Check the fasteners and bearings during maintenance.

APPLICATIONS

Aggregates and sand

Classification into the target particle size ranges.

Granular materials

Selection of screen media and decks to suit the particle size distribution.

Process lines

Coordinated planning of feed, screening and recirculation.

Technical data.

Evaluate model selection together with material properties, target capacity and plant layout.

Technical specification	MCS-1600	MCS-2000	MCS-2600
Screen diameter	1580 mm	1880 mm	2580 mm
Screening area (per deck)	1.8 m^2	2.6 m^2	5.3 m^2
Required floor area	2.5 m^2	3.6 m^2	6.8 m^2
Power	4 kW	4 kW	5.5 kW
Dimensions	Height / Weight	Height / Weight	Height / Weight
1 deck	1450 mm / 840 kg	1470 mm / 950 kg	1500 mm / 1550 kg
2 decks	1630 mm / 920 kg	1650 mm / 1030 kg	1680 mm / 1680 kg
3 decks	1810 mm / 980 kg	1830 mm / 1090 kg	1860 mm / 1840 kg
4 decks	1990 mm / 1050 kg	2010 mm / 1150 kg	2040 mm / 2000 kg
5 decks	2170 mm / 1170 kg	2190 mm / 1270 kg	2220 mm / 2150 kg

Selection notes

All information in this table is for informational purposes only; it is non-binding and subject to change without prior notice.

Technical data support preliminary selection. Final capacity, power, dimensions and supply scope are defined in the technical quotation.

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From machine to plant. Engineering in every detail.

Metkan develops machinery and plant solutions for construction chemicals, minerals and aggregates. At our manufacturing centre in Elbistan, we consider equipment together with feeding, conveying and production flow.

Four inputs for selection

01 **Material and product**

Material properties; for bagged products, bag type, dimensions and weight.

02 **Process target**

Inlet conditions, required product and the next production stage.

03 **Production target**

Target hourly capacity, operating hours and production pattern.

04 **Installation**

Inlet/outlet levels, connections, drive and maintenance access.

Projects and sales

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Catalogue data support preliminary selection. Final capacity, power, dimensions and supply scope are defined in the technical quotation. Images represent the product family; configurations may vary.