Multiwheel Classifier

Models

A range of sizes available designed to achieve fine cut-points at high throughput.

Applications

For high volume classification of dry particulate materials, the Multiwheel Classifier's superior cut and yield performance comes from the use of high-efficiency classifier wheels which are mounted horizontally in a radial configuration.

Originally designed to handle high volume and aggressive-wear products in the minerals industry such as calcium carbonate, fly ash, quartz, and zircon, the Multiwheel Classifier system is more energy efficient for high volume applications and occupies a much smaller footprint than traditional processing solutions, such as multiple single wheel classifiers or large unit air separators.

Features and benefits

- Suitable for achieving cut-points typically in the range 6 to 50 microns
- High-efficiency, high volume classification, handling feed rates up to 30 tonnes/hour
- Fines discharge rates up to 10 tonnes/hour
- Excellent sharpness of cut
- Can be supplied with 3, 4, 5 or 6 wheels, ranging in diameter from 300 to 500mm
- Wheels run on Variable Frequency Drives, each linked to ensure equal running speeds
- Robust construction and build quality for long service life
- Ceramic coated classifier wheels and ceramic lining to contact parts available for abrasive applications

Multiwheel Classifier equipment range technical data

MULTIWHEEL MODEL	CONFIGURATION	TOTAL POWER (KW)	CUT SIZE RANGE (MICRON)
4 x 300	4 wheels, 300mm diameter	40	6 – 20
6 x 300	6 wheels, 300mm diameter	60	6 – 20
3 x 400	3 wheels, 400mm diameter	45	6 – 45
4 x 400	4 wheels, 400mm diameter	60	6 – 45
6 x 400	6 wheels, 400mm diameter	90	6 – 45
5 x 500	5 wheels, 500mm diameter	110	8 – 50
6 x 500	6 wheels, 500mm diameter	135	8 – 50

Note: All data provided is for guidance only and may be varied at any time by the company.

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