HÄNDLE

Maximum fineness of grind at minimum roller gap – HÄNDLE's Alpha II: the standard for hydraulic high-performance roller mills at minimal possible roller gaps of 0.5 mm.

Fine roller mills Alpha II

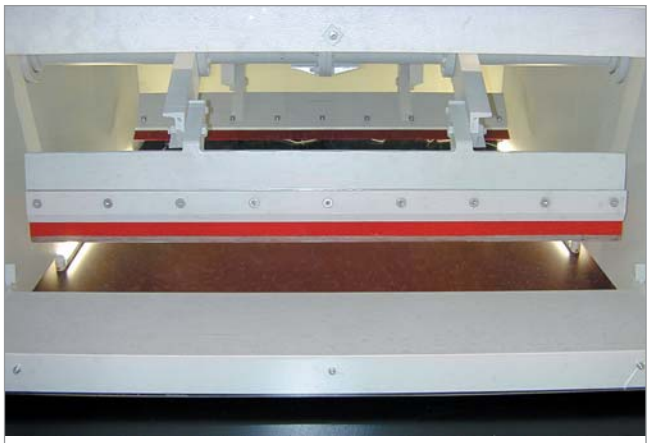
WFZH

The HÄNDLE Alpha II series

The «Alpha II» series represents the latest product of ongoing, systematic evolution in the fine grinding of plastic and semi-plastic ceramic raw materials in roller mills set to an effective roller gap of 0.5 mm. «Alpha II» units are designed for use as second or third roller mills in series with appropriate primary and/fine roller mills. These machines are specially designed for high throughputs with optional adjustment down to non-varying, super-narrow roller gaps in continuous operation.
The «Alpha II» is available in widths of 1000, 1200 and 1500 mm and diameters of 800 to 1000 mm for volumetric throughputs ranging up to 79 m³/h at a roller-gap setting of 1 mm.

Defining characteristics

- Precise retention of roller-gap settings thanks to an optimized roller support system
- Structure-optimized system permitting only minor variation in the results of grinding at narrow roller gaps
- Longer life spans for all wear parts and accordingly less maintenance required thanks to modern scraper technology, including optimized design of the hard-wearing scrapers
- Highly reproducible grinding thanks to electronic roller-gap settings
- Minimal deformation and stress spikes in all components thanks to application of the finite-element method



Easy access for quick, convenient scraper replacement: hydraulic swivel motors allow the scrapers to be swung out to the rear.

Technical data

TYPE	Roller diameter/ width mm	Barrel thickness inside/ outside mm	Roller pretension t	Volumetric throughput* m³/h compact	Throughput capacity* t/h wet	Power requirement kW
WFZH 8100d	800/1000	120/ 100	110	41 - 52	72 - 92	2 x 75 - 90
WFZH 8120d	800/1200	120/ 100	123	50 - 63	88 - 111	2 x 90 - 110
WFZH 8150d	800/1500	120/ 100	123	62 - 79	109 - 139	2 x 110 - 132
WFZH 10120d	1000/1200	140/ 120	123	47 - 63	83 - 111	2 x 90 - 110
WFZH 10150d	1000/1500	140/ 120	123	59 - 79	104 - 139	2 x 110 - 132

* Volumetric throughput and throughput capacity assuming precomminuted material and a roller gap of approx. 1 mm

Subject to technical modification due to ongoing development