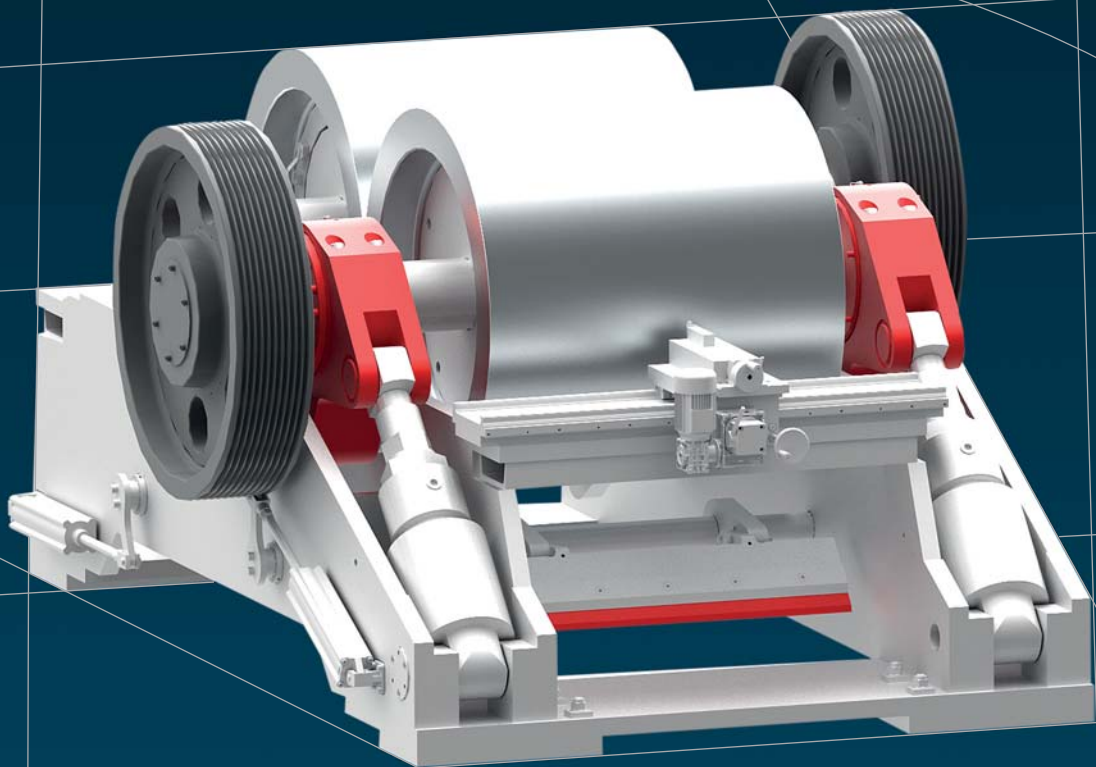With the newly developed Gamma fine roller mill, HÄNDLE is providing its customers with an innovative system for grinding down to a minimum roller gap of 1 mm.

Fine roller mills Gamma

The HÄNDLE Gamma series

HÄNDLE has a range of concepts for fine grinding. The Beta and Alpha II series of fine roller mills have been joined by the brand-new Gamma fine roller mill now.

The Gamma fine roller mill was specially designed and engineered to meet the following requirements: grinding of raw materials down to a minimum roller gap of 1 mm, simple-functioning and easy-to-operate, high availability.

In designing the Gamma roller mill, HÄNDLE combined proven systems of Alpha II and Beta fine roller mills. The result is an economical and well-functioning hinge-type fine roller mill.

The development of the new Gamma roller mill includes a new, modular roller turning machine concept. Available for the present in one size for volumetric throughputs up to approx. 50 m³/h (85 t/h wet) with a roller gap of 1.0 mm.

Defining characteristics

- One-piece roller seat of robust, welded construction
- Same provenly reliable roller sizes as in the Beta fine roller mill
- Split bearing housing on fixed and adjustable rollers
- Easy mechanical adjustment of the roller gap
- Mechanical roller preload via laminated disks springs
- Integrated roller turning machine system
- Integrated swiveling chip collector
- Fast, uncomplicated operation
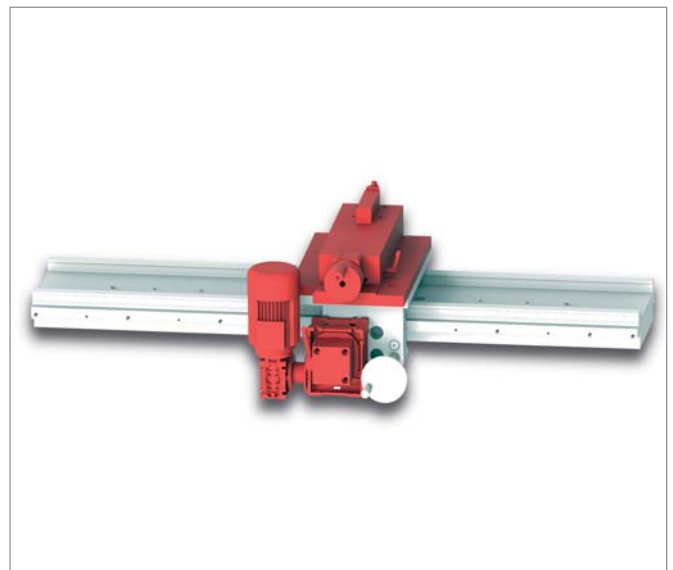
New, modular roller turning machine
» lower initial cost thanks to replaceable units which are replaceable and detachable for milling

Technical data

TYPE	Roller diameter/ width mm	Barrel thick-ness inside/ outside mm	Roller pretension t	Volumetric throughput[1] m³/h compact	Throughput capacity[1] t/h wet	Power requirement kW
GAMMA 10100a	1.000/ 1.000	144/ 110	50	50	85	2 x 55 - 90

[1] Volumetric throughput relative to material from pan mill, 1.0 mm roller gap and approx. 20 m/s circumferential speed.

Subject to technical modification due to ongoing development.