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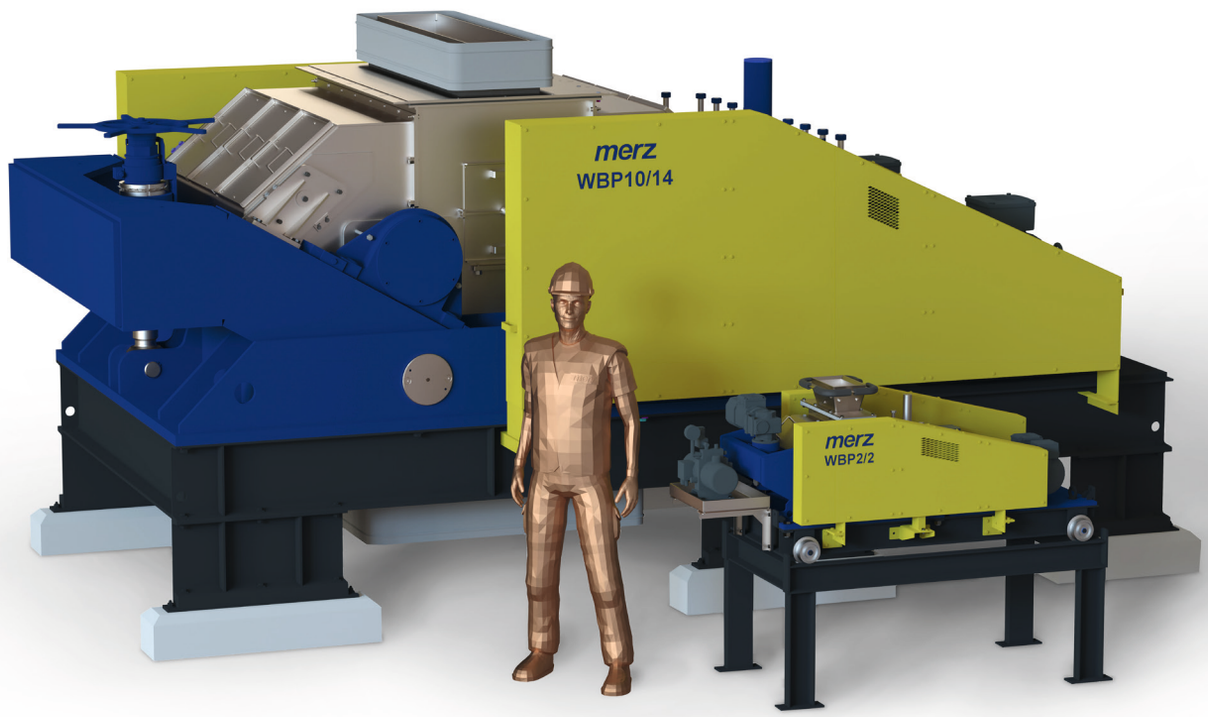

ROLLER MILL WBP

- For coarse and fine grinding with frequent grinding gap setting
- Suitable for a wide range of hard material from A to Z
- Throughput capacity up to 150 t/h
- Feed grain size up to 350 mm
- Target grain size from 0.1 mm
- Grinding ratio 5:1, e.g. feed grain size approx. 50 mm, target grain size approx. 10 mm
- Roller diameter from 200 to 1000 mm
- Roller length from 100 to 1600 mm
- Motor power input from 2 to 55 kW

Standard scope of delivery

- Solid welded construction made of mild steel S235JR
- Protection against foreign objects and overload
- Roller material C45, surface-hardened to HRC 56-58
- Smooth roller surface
- Four-part mill housing, closed
- Material inlet and outlet adapted to upstream and downstream process
- Dust leakage minimized via dust slide with seal and dedusting system
- Grinding gap can be manually adjusted using thread with scale (0.1 mm separation)
- Manual thread clamping
- Motors 400 V, 50 Hz, 3p, IP55, suitable for frequency inverter operation
- Dust exhaust connection (2 x 80 mm diameter, volume flow 360 m^3/h)
- Roller speed monitoring (sensors without evaluation)
- Wiring up to terminal block (on machine)

Options

- Material feed via roller feeders, vibrating chutes or bunkers
- Material discharge via sieves or vibrating chutes
- Grinding cycle with recirculation
- Profiled roller surface
- Rollers made of various types of steel, ceramic, etc.
- Wear-resistant, non-stick, etc. linings
- Motors with special voltages
- Explosion protection design (mechanical and electrical)
- Flooding with protective gas
- Roller cooling to remove heat from the feed material or grinding process
- Digital grinding gap adjustment with “formula management”
- Threaded clamping via hydraulics or circulating roller spindle
- Automated bearing lubrication
- Scraper blade for “cleaning” the rollers
- Contamination free processing
- Wiring up to the customer’s control cabinet or complete control system
- Special paint finsih

Roller mill	Feed grain size*	Throughput capacity*	Roller diameter	Roller length	Power input	Length	Width	Height	Weight
Type	[mm]	[t/h]	[mm]	[mm]	[kW]	[mm]	[mm]	[mm]	[t]
WBP 2/	≤ 50	≤ 5	200	100 - 400	2 - 6	1800	600 - 1000	800	0.5 - 1
WBP 3/	≤ 80	≤ 50	350	300 - 1300	8 - 22	3000	1000 - 1800	1000	2 - 4
WBP 5/	≤ 100	≤ 50	500	300 - 1300	11 - 30	3200	1000 - 1800	1100	4 - 8
WBP 6/	≤ 200	≤ 150	650	300 - 1600	15 - 45	4000	1000 - 2000	1400	8 - 13
WBP 8/	≤ 250	≤ 150	800	300 - 1600	18 - 55	4500	1000 - 2000	1850	8 - 16
WBP 10/	≤ 350	≤ 150	1000	300 - 1600	22 - 55	4700	1000 - 2000	2200	9 - 24

*Values subject to material, feed spectrum, grinding gap, roller width, etc.

Please contact us for a test of your material in our technical centre.