

Cutting Mills, RETSCH

① Cutting Mills SM 100 / SM 200 / SM 300

Application:

Gentle, quick milling of bulky, medium-hard, soft, thready, tenaciously-elastic and temperature-sensitive materials. The most powerful model, the SM 300, convinces in particular in case of very difficult material, e.g. rubbish, plastic, or electrical scrap. The mills can also be used for biological materials as e.g. wood, roots, bone, plants, and feeding stuff. They may be equipped with different rotors and funnels. With its variable speed, the SM 300 can be perfectly adjusted to the mill material.

Features:

- 3kW motor with high traction and RES technology for powerful milling (SM 300)
- Speed variable from 100 to 3,000 min⁻¹ for perfect adjustment to the mill material (SM 300)
- Double cutter bars for optimized cutting force (SM 200, SM 300)
- Very quick cleaning thanks to fold-open enclosure (SM 200, SM 300) with smooth surfaces and push-fit rotor
- Bottom sieves with mesh width 0.25 – 20 mm for defined final grain size
- Extensive range of accessories: funnels, collecting vessels, rotors, sieves

Scope of delivery:

SM 100 with 5 l collection vessel.

Please order rotor, feed funnel, bottom sieve and frame (optional) separately.

SM 200 / SM 300 with 5 l collection vessel and frame.

Please order rotor, feed funnel and bottom sieve separately.

Versions for heavy metal-free milling available on request.

Technical data:

	SM 100	SM 200	SM 300
Feed size:	up to 60×80 mm	up to 60×80 mm	up to 60×80 mm
Final fineness:	0.25–20 mm	0.25–20 mm	0.25–20 mm
Feed hopper:	–	yes	yes
Push-fit rotor:	yes	yes	yes
Speed RPM:	1500 min ⁻¹	1500 min ⁻¹	variable 100 – 3000 min ⁻¹
Dimensions (W×H×D) with support:	582×1675×700 mm	576–1080*×1675×750 mm *depending on hopper position	
Drive rating:	1.5 kW	2.2 kW	3.0 kW
Weight:	approx. 73 kg	approx. 90 kg	approx. 160 kg
Power supply:	3/N~ 400 V, 50 Hz	3/N~ 400 V, 50 Hz	220 – 230 V, 50/60 Hz

Article	Order No.
SM 100, 3/N~ 400 V, 50 Hz	10 29 22727
SM 200, 3/N~ 400 V, 50 Hz	10 29 22728
SM 200, 220–230 V, 50 Hz	10 29 22729

Accessories

Article	Order No.
Base for SM 100	10 29 22824
Universal hopper with plastic plunger for SM 100	10 29 22785
Universal hopper with plastic plunger for SM 200/300	10 29 22786
Long stock hopper with wooden plunger for SM 100	10 29 22484
Long stock hopper with wooden plunger for SM 200/300	10 29 22483
6-disc rotor, stainless steel, with reversible cutting tips of tungsten carbide	10 29 22622
Parallel section rotor	10 29 22621
V-rotor for SM 300	10 29 22634
Cyclone, to use with industrial vacuum cleaner (SM 200 & SM 300)	10 29 22604
Collecting receptacle of plastic, 30 litres, incl. adapter and filter hose	10 29 22310
Collecting unit 250/500 ml, incl. 2 wide mouth bottles	10 29 22308
Bottom sieve, trapezoid holes, 0.50 mm	10 29 27313
Bottom sieve, trapezoid holes, 0.75 mm	10 29 27314
Bottom sieve, trapezoid holes, 1.00 mm	10 29 27315
Bottom sieve, trapezoid holes, 1.50 mm	10 29 27316
Bottom sieve, square holes 2.00 mm	53 29 70167
Bottom sieve, square holes 4.00 mm	53 29 70020
Bottom sieve, square holes 6.00 mm	10 29 27022
Bottom sieve, square holes 8.00 mm	53 29 70023
Bottom sieve, square holes 10.00 mm	10 29 27024
Bottom sieve, square holes 20.00 mm	10 29 27062

