



WE'R' POWERFUL

EFFICIENT & CONVENIENT:

- VARIABLE SPEED
- QUICK AND EASY CLEANING



NEW CUTTING MILL SM 300

BENEFITS

- Powerful size reduction thanks to 3 kW drive with high torque
- Perfect adaptation to application requirements by variable speed from 700 to 3,000 min^{-1}
- Optimum cutting effects thanks to double acting cutting bars
- Quick and easy cleaning without tools due to fold-back housing with smooth surfaces and push-fit rotor
- Ergonomic design
- Defined final fineness due to bottom sieves with aperture sizes from 0.25 - 20 mm
- Wide range of accessories

www.retsch.com/sm300

IDEAL FOR:

- ORGANIC AND INORGANIC WASTE, PLASTIC PRODUCTS, ELECTRONIC WASTE, RUBBER, WOOD, LEATHER, BONES, NON-FERROUS METALS, SECONDARY FUELS

Retsch®

Solutions in Milling & Sieving

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CUTTING MILL SM 300

Performance data	SM 300
Applications	size reduction by cutting
Feed material	soft, medium-hard, tough, elastic, fibrous
Feed size*	max. 60 x 80 mm
Final fineness*	0.25 - 20 mm
Collecting receptacle	5 liter (standard) 0.25 / 0.5 / 30 liter (option)

Technical data	
Drive	frequency controlled 3-phase motor
Motor brake	yes
Motor speed at 50 Hz	700 - 3,000 min ⁻¹
Nominal rating	3,000 W
W x H x D (with support and standard hopper)	approx. 795 x 1,691 x 765 mm
Net weight	approx. 160 kg

*depending on feed material and instrument configuration/settings

Order data

Ask for our special introductory offer!

Cutting Mill SM 300		Item No.
SM 300 supplied with 5 liter collecting receptacle made of stainless steel and base frame with rollers (please order rotor, feed hopper and bottom sieve separately)		
SM 300	for 220-230 V, 50/60 Hz, for standard size reduction	20.729.0002
SM 300	for 220-230 V, 50/60 Hz, for heavy-metal-free size reduction	20.729.0005
Other electrical versions available for the same price		
Rotors	for standard size reduction	for heavy-metal-free size reduction
6-disc rotor	made of stainless steel 22.608.0022	made of steel St 52 22.608.0028
Parallel section rotor	made of stainless steel 22.608.0021	made of steel St 52 22.608.0018
Feed hoppers		
Universal feed hopper with plastic plunger		22.785.0001
Wooden plunger, for universal feed hopper		22.725.0011
Aluminum plunger, for universal feed hopper		22.725.0012
Long stock feed hopper, stainless steel		22.408.0003
Bottom sieves		
Bottom sieves 0.25 - 20 mm made of stainless steel or steel St 1303		
Other Accessories		
Retrofit kit for dust extraction, including industrial vacuum cleaner (230 V, 50/60 Hz) and adapter (other electrical versions available)		22.020.0003
Collecting unit 250/500 ml, incl. 2 wide mouth bottles		22.003.0008
Collecting receptacle, 30 liter, plastic, incl. filter hose		22.003.0010
Ring filter with Conidur plate for 5 liter collecting receptacle		22.187.0006
Extraction tool for rotor		22.225.0002
For details of the complete accessory range please refer to our web site www.retsched.com		



RETSCH's most powerful cutting mill

The new Heavy-Duty Cutting Mill SM 300 excels especially in the tough jobs where other cutting mills fail. The **high torque of the new 3 kW drive** with additional flywheel mass allows for an exceptionally effective preliminary size reduction of heterogeneous mixtures, such as waste or electronic components. Analytical fineness is often achieved in one run. The cutting mill is used successfully for a great variety of materials. The sample material is only moderately warmed up during the grinding process so that the mill is also suitable for grinding temperature-sensitive materials.

Another innovation is the wide, freely **selectable speed range from 700 to 3,000 min⁻¹**. In combination with the wide selection of bottom sieves, hoppers and collecting vessels, the mill can be easily adapted to application requirements. Another benefit is the **easy access to the grinding chamber for cleaning**: the housing is simply folded back and the sieve and push-fit rotor are removed without tools.

The new SM 300 is also available in a special version for heavy-metal-free grinding.

Retsch®

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RETSCH – Your specialist for sample preparation offers you a comprehensive range of equipment. Please request information on our crushers, mills, sieve shakers, sample dividers, feeders as well as cleaning and drying machines.