## **RETSCH PRODUCT RANGE**

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Jaw Crushe

BB 51





Jaw Crushe BB 100

Jaw Crusher BB 200

Cutting Mill

SM 100

Mixer Mill

MM 200/MM 301

Sieve Shaker



Jaw Crusher BB 300





Heavy-Duty Cutting Mill SM 2000

Planetary Ball Mill

Test Sieves

RM 100



Centrifugal Ball Mill S 100







SR 200/SR 300 www.retsch.com/sr200 www.retsch.com/sr300



ZM 200

PM 400

Mortar Grinder KM 100





Optical Particle Analyze





















Vibratory Disc Mill RS 100







Sample Divider PT 100

ITSISS



Solutions in Milling & Sieving





Disc Mill

DM 200

Sieve Shaker

AS 300 control



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Evaluation Software

















Planetary Ball Mill















## **Solutions in Milling & Sieving**

## **Sample Preparation for Environmental Analysis**

The new directives refer to the environmental- ics, plastics and composites. Therefore, the sely safe disposal of electrical and electronic de- lection of effective laboratory mills is of utmost vices (WEEE) as well as the restriction of the importance, as only a truly homogeneous samuse of certain hazardous substances in these ple can guarantee correct analysis results. If devices (RoHS). In this context, neutral-to- you require professional solutions that combine analysis sample preparation can pose a chal- high performance, ease of use, a maximum of lenge, as electrical and electronic waste is usu- operational safety and a long lifetime, then ally a heterogeneous mixture of metal, ceram- RETSCH's equipment is your only choice!

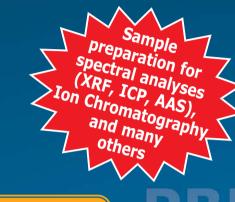


**RETSCH Equipment represents a level of con**venience and cutting-edge technology that can only come from many decades of expertise and leadership in sample preparation.

Do you want to learn more about RETSCH Mills and Sieve Shakers? Watch our product videos at www.retsch.com.

Heavy-Duty Cutting Mill SM 2000

# RETSCH Equipment represents a level of con-



#### **CUTTING MILL**

#### Gentle pre-grinding of all typical samples for RoHS/WEEE testing

- $\blacksquare$  Feed size up to 60 x 80 mm, grind size < 2 mm
- Gentle grinding of larger sample quantities at room temperature Powerful 1.5 kW motor, two speed
- versions Various hoppers and rotors for ideal adjustment to material requirements
- Fold-back housing allows for easy cleaning of rotor and grinding chamber Central lock
- Robust and safe

### **APPLICATIONS**

4	Application field	Pre-cutting SM 2000	Fine grinding RS 200 <sup>*</sup> ZM 200 <sup>*</sup>
1	<ul> <li>Power cords (flexible wire)</li> <li>Cable insulation, separated to different colours</li> </ul>	< 5 mm	– < 200 μm
in state	<ul> <li>Blank circuit boards</li> <li>Printed circuit board assembly (soldered joint, PBB'S)</li> <li>Contactor, electronic switches and connectors</li> </ul>	< 5 mm	< 150 µm –
	<ul> <li>LCD Displays</li> <li>Single electronic components like condensers, electric resistors solenoids, IC-Chips, batteries</li> </ul>	< 5 mm	– < 150 μm
	and many more		



#### Ultra Centrifugal Mill ZM 200





Disc Mill RS 200

#### **DISC MILL**

#### Fine grinding of hard, abrasive substances

- Feed size up to 15 mm, grind size  $< 40 \, \mu m$
- Excellent reproducibility
- Analytical fineness in seconds
- materials ■ Tungsten carbide grinding sets
- Speed range from 6,000 18,000 rpm Motor compartment and electronics Robust and safe
- protected against dust and material penetration

ULTRA CENTRIFUGAL MILL

■ Fast and gentle grinding in two steps,

temperature-sensitive materials

grinding with liquid nitrogen possible

Fine grinding of soft,

■ Distance sieves for grinding

Heavy-duty "Powerdrive"

elastic materials

■ Feed size up to 10 mm,

grind size  $< 40 \, \mu m$ 

- Graphics display and convenient 1-button operation
- Use of cassette allows for easy cleaning Option for load-controlled automatic











■ Powerful Stabilized-Plane-Drive Grinding sets in different sizes and

suitable for abrasive sample materials 1-button operation with graphics

■ Sealed, noise-insulated grinding



Sample Divider PT 100 ■ Division of powdered into 6, 8, or 10 sub-samples

Sanıpı Divide

#### **PELLET PRESSES**

Pellet presses that suit your will press perfect pellets, even of difficult materials Pellet Press PP 25

 The economic alternative for manual Pellet Press PP 40

☐ Controlled Pressure up to

