

RETSCH PRODUCT RANGE

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MILLING



Jaw Crusher
BB 51

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Jaw Crusher
BB 100

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Jaw Crusher
BB 200

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Jaw Crusher
BB 300

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Ultra Centrifugal Mill
ZM 200

www.retsch.com/zm200



Rotor Beater Mill
SR 200/SR 300

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www.retsch.com/sr300



Cross Beater Mill
SK 100

www.retsch.com/sk100



Knife Mill
GRINDOMIX GM 200

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Cutting Mill
SM 100

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Heavy-Duty Cutting Mill
SM 2000

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Mortar Grinder
RM 100

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Mortar Grinder
KM 100

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Vibratory Disc Mill
RS 100

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Disc Mill
DM 200

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Mixer Mill
MM 200/MM 301

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www.retsch.com/mm301



Planetary Ball Mill
PM 100/PM 200

www.retsch.com/pm100
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Planetary Ball Mill
PM 400

www.retsch.com/pm400



Centrifugal Ball Mill
S 100

www.retsch.com/s100

SIEVING



Sieve Shaker
AS 200 basic/digit/control

www.retsch.com/as200



Sieve Shaker
AS 300 control

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Sieve Shaker
AS 400 control

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Test Sieves

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Evaluation Software
EasySieve®

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Optical Particle Analyzer
CAMSIZER®

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ASSISTING



Sample Divider
PT 100

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Sample Divider
PK 1000

www.retsch.com/pt1000



Vibratory Feeder
DR 100

www.retsch.com/dr100



Rapid Dryer
TG 100

www.retsch.com/tg100



Ultrasonic Bath
UR 1/UR 2/UR 3

www.retsch.com/ur



Pellet Press
PP 25

www.retsch.com/pp25

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Solutions in Milling & Sieving

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Retsch®

Solutions in Milling & Sieving

Sample Preparation for Environmental Analysis

The new directives refer to the environmental safe disposal of electrical and electronic devices (WEEE) as well as the restriction of the use of certain hazardous substances in these devices (RoHS). In this context, neutral-to-analysis sample preparation can pose a challenge, as electrical and electronic waste is usually a heterogeneous mixture of metal, ceramic,

plastics and composites. Therefore, the selection of effective laboratory mills is of utmost importance, as only a truly homogeneous sample can guarantee correct analysis results. If you require professional solutions that combine high performance, ease of use, a maximum of operational safety and a long lifetime, then **RETSCH's equipment is your only choice!**



Heavy-Duty
Cutting Mill
SM 2000



in the
context of
RoHS
and
WEEE



Ultra Centrifugal
Mill ZM 200



Disc Mill
RS 200



www.retsch.com



Solutions in Milling & Sieving

RETSCH Equipment represents a level of convenience 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.

For uncompromised analyses!

Sample preparation for spectral analyses (XRF, ICP, AAS), Ion Chromatography and many others

CUTTING MILL

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

- 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

www.retsch.com/s2000



APPLICATIONS

Application field	Pre-cutting SM 2000	Fine grinding RS 200* ZM 200*	
• Power cords (flexible wire) • Cable insulation, separated to different colours	< 5 mm	-	< 200 µm
• Blank circuit boards • Printed circuit board assembly (soldered joint, PBB'S) • Contactor, electronic switches and connectors	< 5 mm	< 150 µm	-
• LCD Displays • Single electronic components like condensers, electric resistors, solenoids, IC-Chips, batteries	< 5 mm	-	< 150 µm
and many more			
*for small sample volumes, RETSCH's Mixer Mill MM 301 is also suitable			



RETSCH Mills are particularly suitable for grinding without heavy metal contamination!



ULTRA CENTRIFUGAL MILL

Fine grinding of soft, elastic materials

- Feed size up to 10 mm, grind size < 40 µm
- Fast and gentle grinding in two steps, grinding with liquid nitrogen possible
- Distance sieves for grinding temperature-sensitive materials
- Heavy-duty "Powerdrive"
- Speed range from 6,000 – 18,000 rpm continuously adjustable
- Motor compartment and electronics protected against dust and material penetration
- Graphics display and convenient 1-button operation
- Use of cassette allows for easy cleaning
- Option for load-controlled automatic feeder

www.retsch.com/zm200



DISC MILL

Fine grinding of hard, abrasive substances

- Feed size up to 15 mm, grind size < 40 µm
- Powerful Stabilized-Plane-Drive
- Excellent reproducibility
- Analytical fineness in seconds
- Grinding sets in different sizes and materials
- Tungsten carbide grinding sets suitable for abrasive sample materials
- 1-button operation with graphics display
- Sealed, noise-insulated grinding chamber
- Robust and safe

www.retsch.com/rs200

SAMPLE DIVIDER

Only representative samples guarantee meaningful analysis results!

Sample Divider PT 100

- Division of powdered or granular materials into 6, 8, or 10 representative sub-samples

www.retsch.com/pt100



Sample Divider PT 100

PELLET PRESSES

Pellet presses that suit your needs and budget - but all will press perfect pellets, even of difficult materials

Pellet Press PP 25

- The economic alternative for manual pelletizing. Pressure up to 25 tons.

Pellet Press PP 40

- Controlled pressure force, build-up and release for high throughput operation. Pressure up to 40 tons.



Pellet Press PP 25

Pellet Press PP 40

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