Laboratories all over the world use products from RETSCH when it comes to the sample preparation of soils. From the analysis of heavy metals or volatile components such as dioxin and furan to the determination of the clay content or the ascertainment of fertilizing requirements, RETSCH’s crushers and grinders as well as the sieve shakers are the products of choice. The name RETSCH stands for high quality products with superior technical features – and dedicated, individual application consultation for our customers.

Put us to the test!
For uncompromised analyses!

RETesch 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 RETesch Mills and Sieve Shakers? Watch our product videos at www.retsch.com.

**MORTAR GRINDERS**
- Trituration of moist soil samples with sodium sulphate (Na2SO4)
  - For quantities up to 190 ml
  - Gentle grinding process, easy cleaning
  - Mortars and pestles in 7 different materials, including hard porcelain and agate
  - www.retsch.com/rm200

**MIXER MILLS**
- 4-in-1 mill for perfect homogenization
  - Ideal for pulverization of small sample volumes < 10 g
  - Grid size = 5 microns
  - Fast grinding of small volumes in two grinding stations, dry, wet and cryogenic
  - No loss of material due to screw feed grinding jars of 1.5 ml to 50 ml, in 6 different materials
  - Memory function
  - www.retsch.com/mm400

**JAW CRUSHERS**
- Pre-crushing of agglomerated soils with stones to < 2 mm
  - Feed size up to 150 mm, grind size down to <0.75 mm
  - High degree of size reduction
  - Continuous gap width setting
  - Zero point adjustment for wear compensation
  - Breaking jaws made from many different materials
  - Safe and user-friendly
  - With overload protection
  - Connector for dust removal
  - No rebound feed hopper with quick-elastic clamp
  - Easy-to-clean crushing chamber
  - www.retsch.com/jb200

**ROTOR MILLS**
- Effective size reduction of dry clay
  - Batchwise and continuous pre-crushing and fine size reduction of medium-hard and brittle materials with a hardness up to 6 Mfrs.
  - Feed size up to 15 mm, grind size < 100 µm
  - Easy exchangeable bottom sieves from 0.12 to 10 mm
  - 4 different materials (1d, version for heavy-metal free grinding)
  - www.retsch.com/bb200

**PLANEARY BALL MILLS**
- Suitable for sample preparation for heavy metal analyses (10% - 100%) with grinding jars of zirconium oxide or agate
  - High-speed drive for extremely fast grinding times
  - Gentle size reduction with less warming of the sample
  - Feed size up to 10 mm, grid size < 1 µm
  - Speed and energy control for reproducible results
  - Great flexibility due to large range of grinding jars 12 ml to 500 ml, in 6 different materials including zirconium oxide and agate
  - Gas-tight grinding jars are especially suitable for the determination of volatile substances
  - Easy-safety clamp
  - Perfect stability on the bench with counterweight and vibration compensation system
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