

Press release

NEW

The new high-tech standard for Variable Speed Rotor Mills!

Efficient pre- and fine grinding in one instrument with impact or cutting rotor!



Variable Speed Rotor Mill
PULVERISETTE 14 *premium line*

The FRITSCH Variable Speed Rotor Mill PULVERISETTE 14 *premium line* offers impact, shearing and cutting comminution in one instrument – with a higher performance, better cooling and significantly quieter than comparable instruments. Its powerful motor is ideal for the particularly fast comminution of soft to medium-hard, brittle as well as fibrous materials and temperature-sensitive samples with an extremely fast sample throughput of up to 15 litres and more per hour, depending on the material and parameter settings.

Overview of the features:

- ⊙ Powerful grinding with 22,000 rpm for particularly fast sample throughput
- ⊙ Max. feed size < 15 mm, sample throughput of up to 15 l/h and more
- ⊙ AutoLOCK grinding chamber for particularly safe work
- ⊙ Final fineness down to $d_{50} < 40 \mu\text{m}$, sieve rings 0.08 – 6 mm
- ⊙ Particularly good cooling of the grinding material
- ⊙ Pleasantly quiet operation
- ⊙ Very easy to clean due to Clean Design

Especially powerful

A high-speed motor with ceramic bearings ensures a particularly high impact and rotor speed with an extra powerful 22,000 rpm.

Your advantage: finer results in shorter times.

Significantly better cooling

The new PULVERISETTE 14 *premium line* cools your sample during grinding significantly better than comparable instruments.



AutoLOCK grinding chamber enables incredibly safe operation

Your advantage: melting or sticking of the grinding material is greatly reduced, even with temperature-sensitive samples.

Incredibly safe operation

The new AutoLOCK grinding chamber facilitates automatic opening and closing with clamping and crushing protection. The additional Intelligence-Safety-Control-System only allows the instrument to start if the grinding set is fully and correctly inserted.

Fast, residue-free cleaning

The well-conceived Clean Design covers all the areas, which make the cleaning of your mill as easy as possible: All the surfaces are designed to be extremely dirt-resistant and easy to clean. And all the parts that need regular cleaning can be removed with a single motion without tools. Even the lid of the instrument can be easily removed for cleaning.



Well-conceived Clean Design for especially easy cleaning

Two instruments in one

Turn your Variable Speed Rotor Mill PULVERISETTE 14 *premium line* into a Cutting Mill with just a few simple motions for fast, efficient pre-grinding of fibrous materials and plastics – in an optimised mode with up to 10,000 rpm. Absolutely multifunctional with the choice of grinding with an impact or cutting rotor!

The special features of the **FRITSCH Variable Speed Rotor Mill PULVERISETTE 14 *premium line*** and how it works – please have a look: www.youtube.com/embed/Rn3nWGQD9mM?rel=0

Test the FRITSCH Variable Speed Rotor Mills!

Send us your most difficult sample – we will carry out an individual **sample grinding** for you. Compare for yourself!

Up-dated information on the FRITSCH Rotor Mills for efficient sample preparation at www.fritsch-international.com/rotor-mills.



You should have a look!

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Our experts are looking forward to your questions and gladly advise you in all laboratory technology related enquiries.

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