P-2

MORTAR GRINDER

FRITSCH

AUTOMATIC MORTAR

for use by professionals



- **Feed size up to 8 mm** depending on the material
- **Final fineness down to 10 µm,** even with efficient wet grinding
- **Sample volume up to 190 ml** and 7 different grinding sets
- **Automated grinding** with reproducible results
- **Rapid emulsification** of ointments and pastes
- **Lighted grinding chamber** for easy monitoring

Grinding, mixing, homogenising

The P-2 mortar mill sets new standards in the laboratory. It is your ideal tool for achieving final particle sizes of up to < 10 µm, as well as for the efficient mixing and homogenisation of ointments, creams and pastes on a laboratory scale of up to 190 ml. It reliably processes suspensions & emulsions – both oil-in-water and oil-in-oil. In combination with liquid nitrogen, it is also suitable for grinding demanding samples. In galenics, it also enables particularly temperature-gentle preparation of tablets. The P-2 is therefore the universal mill for your laboratory – ideal for analysis, quality control and material testing.

Consistently reproducible results

On the FRITSCH P-2, you can precisely and reproducibly adjust the downward pressure of the pestle on the mortar bowl and the lateral pressure on the mortar wall using a scale. The built-in timer ensures that the grinding time is always exactly reproducible. Sample material, liquids and additives can be added at any time, even whilst the mill is running. The scraper, which is infinitely adjustable in three axes, automatically allows rising ground material to flow back to the pestle and can be easily readjusted even whilst grinding is in progress. And thanks to the large acrylic window, you can keep an eye on the grinding process in the illuminated grinding chamber at all times.



Single-step cold grinding: By using liquid nitrogen to embrittle the sample in the special cryogenic grinding assembly, the FRITSCH P-2 makes it easy to process tomatoes, rubber, synthetic resins, plants and other moist, fibrous or elastic samples.

Contact us now

for a non-binding consultation or individual test grinding to identify your ideal device configuration and optimal grinding parameters.