

Planetary Ball Mill P-7 premium line

World champion in the power department



Rotational speed of bowl	Up to 2,200 rpm
Feed size	Up to 5 mm, depending on material
Sample quantity	1–60 ml
Final fineness	Up to < 0.1 µm, depending on material



powerful nano grinding
for small sample quantities



**precisely reproducible
grinding parameters**
through MillControl software



sunken grinding bowls
with automatic SelfLOCK
locking mechanism



optimized grinding setting
via RFID chip in the bowl



grinding under inert gas
with simple bowl handling



intuitive operation
via touch screen

World-class grinding performance down to the nano range

The FRITSCH Planetary Ball Mill P-7 premium line is one of the most powerful of its kind. No alternative instrument on the market features comparable acceleration of the sunken grinding bowls. It allows you to achieve grinding results down to the nano range in the shortest possible time. Or use its exceptional power for mechanochemical processes

Quick and easy to operate like a centrifuge

The lids of the grinding bowls are secured with two latches. The grinding chamber opens automatically and, at the same time, the cup holder rotates forwards. As soon as the grinding bowls are inserted with slight pressure, they engage automatically, the grinding chamber closes and grinding starts. Depending on the desired final fineness, you can grind dry, in suspension or under inert gas. Or use the P-7 premium line for mixing and homogenization of emulsions and pastes. It also performs well in the areas of mechanical activation and alloying in materials research.



FRITSCH SelfLOCK: The grinding bowls are inserted and engage securely with only slight pressure. Closing the grinding chamber and grinding also starts automatically.



Measurement of gas pressure and temperature

Convert your P-7 premium line into an analytical measuring system with the FRITSCH EasyGTM kit. No other manufacturer offers this!

Technical data

P-7 premium line

Optimum material type

hard, medium-hard, brittle

Electrical details

100 – 120 V / 200 – 240 V/1~, 50 – 60 Hz, 1,200 watt

Number of grinding stations

2

Grinding process

dry/wet

Rotational speed of main disk

150 – 1,100 rpm

Weight

44 kg

Dimensions: w x d x h

Bench top instrument 40 x 58 x 36 cm



Your contact

for a consultation with no obligations or an individual test grinding to determine the appropriate instrument configuration and optimum grinding parameters:

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Further information

at www.fritsch.de in the Sample Preparation/Grinding/Planetary Mills section

