

Planetary Ball Mill P-7 premium line

# World champion

## in the power department



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

**beratung@fritsch.de**  
**+49 6784 70-150**



#### **Further information**

at [www.fritsch.de](http://www.fritsch.de) in the Sample Preparation/Grinding/Planetary Mills section

