## P-5 P-6 P-7 PLANETARY MILLS



# OUR EFFICIENCY AND VERSATILITY

champions



- feed sizes up to 10 mm depending on model and material
- 0.5 900 ml sample volumes depending on model
- fineness down to < 1 μm depending on material

- ultra-fine comminution for laboratory, R&D, QA, QC and material science
- **optimize grinding** dry, in suspension or under inert gas
- **expanded applications –**mechanochemistry, mechanoalloying, mixing and homogenizing

### A strong team for strong results

#### FRITSCH P-5 – high throughput for large sample volumes

Equipped with 2 or 4 grinding stations, P-5 lets you grind large sample quantities – dry or in suspension – down to colloidal fineness without waste. You can also use it to mix and homogenize emulsions and pastes quickly and easily. Its smart SafeLock mechanism ensures reliable clamping with little effort and simple operation, while its speed and time control guarantee exact, reproducible grinding results. It is extremely robust and can cope with even the harshest conditions in quality control.



#### FRITSCH P-6 – our bestseller for standard processing

Equipped with a single grinding station, our P-6 is your planetary mill for a variety of materials and sample quantities. It can also be used for grinding in suspension as well as inert gas, measuring gas pressure and temperatures and mechanical alloying at the push of a button.



#### FRITSCH P-7 – your specialist for small and very small quantities

P-7 is your space-saving planetary mill for fast, uniform micro-grinding of sample volumes up to  $2 \times 20$  ml. It is also ideally suited to mixing and homogenizing emulsions and pastes to perfection. Up to 99 programmable grinding cycle repetitions ensure perfectly reproducible results.



#### Technical data

#### P-5/P-6/P-7

#### **Optimal material type**

hard, medium-hard, brittle, moist, soft and tough

#### Main disk speed

P-5: 400 rpm

P-6: 650 rpm

P-7: 800 rpm

#### **Connection values**

 $P-5: 100-120/200-240 \text{ V/1}^{-}, 50-60 \text{ Hz}, 1,730 \text{ watts}$ 

P-6: 100 - 120/200 - 240 V/1~, 50 - 60 Hz, 1,000 watts

 $P-7: 100 - 120/200 - 240 \text{ V/1}^{-}, 50 - 60 \text{ Hz}, 740 \text{ watts}$ 

#### Weight

P-5: 120 kg; P-6: 63 kg; P-7: 35 kg

#### Dimensions W x D x H

P-5: Table-top device  $580 \times 670 \times 570 \text{ mm}$ 

P-6 and P-7: Table-top device 370 x 530 x 500 mm

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

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