

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, mechano-
alloying, 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 x 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 V/1~, 50 – 60 Hz, 1,730 watts

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

P-7: 100 – 120/200 – 240 V/1~, 50 – 60 Hz, 740 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 x 670 x 570 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.

consultation@fritsch.de

+49 6784 70-150