

Universal Cutting Mills P-19/P-19 large



Powerful comminution with variable rotational speed



Rotational speed

variable 300–3000 rpm or 50–700 rpm

Feed size

up to 70x80/120x85 mm

Throughput

up to 60/85 l/h

Final fineness

0.1 – 20 mm / 0.25 – 20 mm



Variable rotational speed
for optimized torque



Variable final fineness
with sieve cassettes from
100 µm to 20 mm



Tool-free maintenance
due to the three-part housing
and plug-in rotor



Different rotor materials
to adjust to the different
sample materials



Suitable for
GMP and RoHS



**Comminution without
pre-crushing** for long solids
like cannabis, straw or foils

FRITSCH P-19 – the right cutting mill for every application

The FRITSCH Universal Cutting Mills P-19 and P-19 large ensure fast, easy comminution of a wide range of plastics/polymers as well as biological materials in small and large quantities. Its main areas of application include environment and recycling, secondary fuels/RDF in cement production, power generation and other similar contexts, as well as cannabis processing. There is a special stainless steel version for the foodstuffs and pharmaceutical

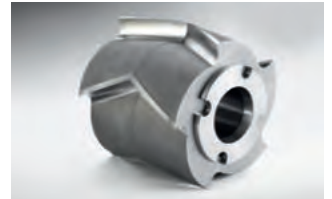
sectors. The gradually variable rotational speed setting allows optimal adjustment of the cutting speed to any sample material. The well-conceived structural design of the grinding chamber ensures optimized hygienic cleaning. Typically FRITSCH.

Flexible modular principle

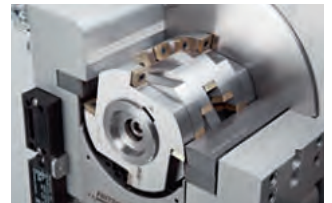
By simply changing the rotor, you can adapt your P-19 or P-19 large Cutting Mill perfectly to any sample material. We have a range of rotors and fixed knives with different cutting geometries in a variety of materials. By choosing the sieve cassettes, you can determine the final fineness of your samples. Different funnels, collecting vessels and stands made of a variety of materials enable further configuration exactly for your applications. The connection to a FRITSCH high-performance or small volume Cyclone separator ensures simple feeding and cleaning, higher final fineness and faster throughput with minimized thermal load of the samples.



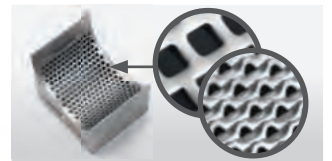
FRITSCH high-performance
Cyclone separator



Standard rotor with V-cutting edges



Disk milling cutter rotor



Sieve cassettes made of stain-
less steel 316L

Technical data

P-19

| P-19 large

Optimal for material type

hard, medium-hard, soft, brittle, tough, fibrous,
tough-elastic, temperature-sensitive

Electrical details

380–460 V/3~ | 380–460 V/3~

200–240 V/1~ / 100–120 V/1~ | 200–240 V/1~

Drive power

up to 5 kW

Frequency

50–60 Hz

Torque

up to 67 Nm

Weight

77 kg | 88 kg

Dimensions w x d x h

Table-mounting or on stand

44 x 79 x 56 cm | 68 x 85 x 90 cm



Contact us

for a non-binding consultation or an individual test grinding of your material to recommend the appropriate instrument configuration and optimal cutting tools.

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More information at

www.fritsch-international.com in the section Sample Preparation/Milling/Cutting Mills.

