

P-11 Knife Mill

Just press
for more power



+ Cryo-milling
for challenging samples

+ ideal for food stuffs
in a wide range of applications

+ feed sizes up to 40 mm
depending on material

+ final fineness down to < 300 µm
depending on material

+ single-use container
for complete protection
against contamination

+ 4-blade cutter
and turbo button

+ SOP generator
for up to 20
storable SOPs

Industry-grade lab mixer

The quiet FRITSCH P-11 Knife Mill is the ideal laboratory mixer for gentle milling and homogenization tasks. With processes taking just a few seconds, its extra-powerful motor and standard 4-blade cutter can handle even the most challenging materials. High fat or water content? Hard samples such as toys or dishwasher tabs? No problem with the perfect all-round device for food and feed testing, pharmaceuticals, chemicals, and many other applications.

Powerful functions – fast, top-quality results

FRITSCH P-11's motor speed can be adjusted between 2,000 and 10,000 rpm in increments of 100 rpm. This allows you to match milling speeds perfectly to the characteristics of your individual samples. Press the turbo button to achieve speeds of up to 14,000 rpm for up to 6 seconds: Its easy to reduce sticky and fibrous materials. Demanding samples such as gummy bears, chocolate, and plastic toys can also be embrittled in the grinding container using liquid nitrogen or dry ice. Thanks to P-11's fully adjustable Vario lid system, the grinding chamber volume can be reduced from 1500 ml to 540 ml or utilized the appropriate vessels – meaning you will always achieve a homogeneous sample within a narrow grain width range, even when handling smaller samples and difficult materials.



Your choice of cutting tools

In addition to the smooth standard stainless-steel blade, three other blades are available for specific purposes.

1. The smooth stainless steel sickle blade for hard and brittle samples.
2. The serrated stainless-steel sickle blade for fibrous, tough, or stringy samples.
3. The serrated TiN-coated sickle blade for metal-free shredding.



Watch the FRITSCH P-11 in action!

See how the intuitive user guidance makes for easy work with the P-11 FRITSCH Knife Mill.

Technical data

P-11

Optimum material type

moist, oily, greasy, dry, soft, medium-hard, fibrous

Electrical demand/output

200 – 240 V/1~, 50/60 Hz, 1,250 watts - also available in 100 – 120 V/1~, 50/60 Hz, 1,000 watts

Maximum blade diameter

128 mm

Blade circumferential speed

67 m/s

Weight

17.6 kg

Dimensions W x D x H

Table-top unit 32 x 43 x 48 cm



Contact us now

for a non-binding consultation or test milling to identify your ideal device configuration and parameters.

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Find out more at

www.fritsch-international.com
in the sample-preparation/
milling/knife-mill

