

P-11 Knife Mill Just press for more power



**ideal for food stuffs** in a wide range of applications

single-use container

for complete protection

against contamination

feed sizes up to 40 mm depending on material

**4-blade cutter** and turbo button

**Cryo-milling** for challenging samples

final fineness down to < 300 μm depending on material

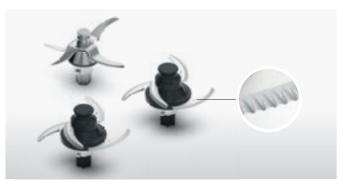
**SOP generator** for up to 20 storable SOPs

# Industry-grade Iab 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

