P-11

KNIFE MILL

FRITSCH

FAST. HYGIENIC. POWERFUL.

Effective solution 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
- **Cryogenic comminution** of challenging samples
- **SOP generator** for up to 20 storable SOPs

Industrial-grade lab mixer

The 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? 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 rpm and 10,000 rpm in increments of 100 rpm. This allows you to match milling speeds perfectly to the characteristics of your individual samples. For example, just press the turbo button to reach 14,000 rpm for up to 6 seconds and now easily reduce sticky, fibrous materials. Demanding samples such as gummy bears, chocolate and dried fruits can also be embrittled in the grinding container using liquid nitrogen. Thanks to P-11's fully adjustable Vario lid system, the grinding chamber volume can be reduced to 540 ml.



Your choice of cutting tools
In addition to the knife with smooth standard stainless-steel blades, other knives are available for specific purposes:

- *Knife with truncated cutting edges made of stainless steel for deagglomerating, mixing and homogenizing – without cutting action.*
- *Sickle knife with serrated blades made of stainless steel for fibrous, tough, or stringy samples.*
- *Sickle knife made of stainless steel for hard and brittle samples.*
- *TiN-coated sickle knife with serrated blades: wear resistance, hardness and durability.*

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