

P-29

CUTTING MILL



TECHNICAL SPECIFICATIONS



EASY WORKING. GREAT RESULTS.



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TECHNICAL DATA

P-29 – cutting mill

Working principle	cutting
Material type	medium-hard, soft, fibrous
Field of application	plastics, textiles, agriculture, forestry, environment, RohS, analytics, construction materials, chemistry, food stuffs
Cutting tools	rotor with straight cutting edges and removable knives
Materials grinding tools	hardened stainless steel 1.4112 hardened steel 1.2379
Max. feeding size <i>(depending on material+funnel)</i>	25 mm
Max. throughput <i>(depends on material + sieve size)</i>	100 ml per batch
Final fineness <i>(depends on sieve insert – additional sieve sizes available)</i>	0.25–6.0 mm
Feeding	batchwise
Rotor speed	500–6000 rpm
Rotor peripheral speed	0.95–11.44 m/s
Types of funnels	sample pusher spiral-shaped for stable feeding without rebound
Drive	three-phase motor 230 V
Electrical details / torque	200–240/1 ~, 50/60 Hz, 400 W / 2.5 A
Collector systems / capacities	sample cup 100 ml volume with screw cap
Standards	CE
Emission sound pressure level at the workplace acc. to DIN EN ISO 3746 <i>(workplace related)</i>	78 dB
Weight	19 kg
Safety class	IP21
Dimensions (W x D x H)	27 x 34 x 46 cm



ACCESSORIES

P-29 – cutting mill

Order no.

Article



Instrument without funnel, cutting tool set and sieve insert, incl. 5 sample cups 100 ml

500–6,000 rpm – variable rotational speed adjustment

29.1020.00 for 200–240 V/1~, 50–60 Hz, 400 W

29.1010.00 for 100–120 V/1~, 50–60 Hz, 400 W



Accessories for cutting mill P-29

Funnel

29.1151.00 funnel with sample pusher, inner diameter 27 mm

Cutting tool sets

45.8307.00 rotor with straight cutting edges and fixed knives made of hardened stainless steel

45.8316.00 rotor with straight cutting edges and fixed knives made of hardened tool steel

Sieve inserts made of stainless steel 316L

45.1500.10 0.25 mm trapezoidal perforation

45.1502.10 0.5 mm trapezoidal perforation

45.1504.10 0.75 mm trapezoidal perforation

45.1506.10 1 mm trapezoidal perforation

45.1508.10 2 mm trapezoidal perforation

45.2508.10 1 mm square perforation

45.2506.10 1.5 mm square perforation



Order no.	Article
45.2500.10	2 mm square perforation
45.2502.10	4 mm square perforation
45.2504.10	6 mm square perforation
Accessories	
45.5791.00	set of sample cups 100 ml (set = 100 cups)
29.1176.16	sample pusher spiral-shaped for stable feeding without rebound
Certification	
96.0440.00	IQ/OQ documentation (questionnaire format – implementation not included)
<i>Sieve inserts are also available in further perforations.</i>	



Handling could not be simpler, as the sieve insert, rotor and fixed knives are easy to insert. It is not necessary to adjust the cutting gap.





APPLICATION EXAMPLES

P-29 – cutting mill

Sample 1: polyethylene

Milling:

- 2 mm square perforation sieve insert
- 6,000 rpm



Sample 2: chaff

Milling:

- 0.25 mm trapezoidal perforation sieve insert
- 6,000 rpm



Sample 3: noodles

Milling:

- 0.5 mm trapezoidal perforation sieve insert
- 6,000 rpm



Sample 4: soy beans

Milling:

- 1 mm trapezoidal perforation sieve insert
- 6,000 rpm





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test grinding to identify your ideal device
configuration and optimal grinding parameters.**



