

Analytical and Universal Mills, IKA®

A 11 basic Analytical mill

Batch mill for 2 different grinding procedures:

Impact grinding of hard, brittle or non-elastic grinding materials with high-grade stainless steel beater. This beater can be used for a Mohs hardness up to 6 (incl. with delivery).
Cutting grinding for pulverizing soft, fibrous materials with a cutting blade (not incl. with delivery).

- Moist and gluey materials can be pulverized by adding water
- Grinding chamber made of Tefcel (PTFE, glass fiber-reinforced) with stainless steel inlet (1.4571), useful volume 80 ml (incl. with delivery). For embrittlement of grinding materials with liquid nitrogen in the grinding chamber
- Optionally, a 250 ml grinding chamber is available

Technical data:

Motor rating input/output:	160/100 W
Speed max.:	28.000 rpm
Circumferential speed max.:	53 m/s
Usable volume max.:	80 ml
Power-on time:	1 min ON/10 min OFF
Dimensions (W × H × D):	85 × 240 × 85 mm
Weight:	1.5 kg
Permissible ambient temperature:	5 to 40°C
Permissible relative moisture:	80%
Protection class acc. to DIN EN 60259:	IP 43

Article	Order No.
① A 11 basic Analytical mill	53 36 29000

Accessories for A 11 basic

Article	Order No.
② A 11.2 Cutting blade	53 36 29052
For pulverizing soft, fibrous grinding materials.	
③ A 11.3 Beater	53 36 29830
For pulverizing substances with a Mohs hardness up to 9, coated with chromium carbide.	

A 10 Analytical mill

Suitable for low-loss dry grinding of soft, hard and brittle substances

- With a built-in cooling chamber
- Removable, easy-to-clean, high-grade steel chamber
- 3 interchangeable cutters available
- Electronic overload protection

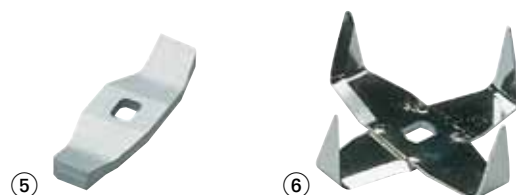
Technical data:

Motor rating input/output:	180/80 W
Speed max.:	20.000 rpm
Circumferential speed max.:	57 m/s
Usable volume max.:	50 ml
Power-on time:	5 min ON/10 min OFF
Dimensions (W × H × D):	120 × 225 × 105 mm
Weight:	2.2 kg
Permissible ambient temperature:	5 to 40°C
Permissible relative moisture:	80%
Protection class acc. to DIN EN 60259:	IP 21

Article	Order No.
④ A 10 Analytical mill	10 36 01635

Accessories for A 10 basic

Article	Order No.
⑤ A 15 Hard metal cutter	10 36 01591
made of tungsten carbide for hard materials up to Mohs hardness of 9	
⑥ A 17 Star-shaped cutter	10 36 01427
for specific lightweight materials like paper, dried plant parts, plastics and for smooth-elastic materials	



M 20 Universal mill

Batch mill suitable for dry grinding of hard and brittle substances.

- Double-walled grinding chamber can be cooled with water through two hose adapters
- Removable grinding chamber, easy to clean
- Two grinding chambers can be alternately operated using one drive
- M 21 blade incl. with delivery

Technical data:

Motor rating input/output:	620/260 W
Speed max.:	20.000 rpm
Circumferential speed max.:	72 m/s
Usable volume max.:	250 ml
Power-on time:	7 min ON/10 min OFF
Dimensions (W × H × D):	170 × 350 × 170 mm
Weight:	6.6 kg
Permissible ambient temperature:	5 to 40°C
Permissible relative moisture:	80%
Protection class acc. to DIN EN 60259:	IP 21

Article	Order No.
⑦ M 20 Universal mill	53 36 14100

