

## 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			
Process type [-]	batch	Operating principle [-]	cutting/impact
Motor rating input [W]	300	Motor rating output [W]	160
Speed max. [1/min]	28000	Circumferential speed max. [m/s]	53
Usable volume max. [ml]	80	Feed hardness max. [Mohs]	6
Feed grain size max. [mm]	10	Material beater/cutter [-]	stainless steel 1.4034
Material milling chamber [-]	stainless steel 1.4571	Power-on time ON [min]	5
Power-on time OFF [min]	10	Milling chamber, can be cooled with water [-]	no
Mill feed can be cooled in milling chamber with dry ice [-]	yes	Mill feed can be cooled in milling chamber with liquid nitrogen [-]	yes
Dimensions (W x H x D) [mm]	85 x 240 x 85	Weight [kg]	1.5
Permissible ambient temperature [°C]	5 – 40	Permissible relative moisture [%]	80
Protection class according to DIN EN 60529 [-]	IP 43	Voltage [V]	230 / 100 – 120
Frequency [Hz]	50/60	Power input [W]	300