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FAVS
Scientific Equipment
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A 11 basic Analytical mill

/// Data Sheet

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 (ETFE, 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

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Scope of delivery
•A 11 basic Analytical mill
•A 11.1 Spare beater

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Technical Data

Process type	batch
Operating principle	cutting/impact
Motor rating input [W]	160
Motor rating output [W]	100
Speed max. [rpm]	28000
Circumferential speed max. [m/s]	53
Useable 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 [min]	1
Power-OFF time [min]	10
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 humidity [%]	80
Protection class according to DIN EN 60529	IP 43
Voltage [V]	220 - 230
Frequency [Hz]	50/60
Power input [W]	160