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A 10 basic

/// Data Sheet

The redesigned batch mill grinds hard, brittle, soft and fibrous materials for volumes up to 50 ml. Because samples may be embrittled directly in the grinding chamber; tough, oily and aqueous samples can also be grinded.
The development of the mill placed particular emphasis on safety. The mill will only start when the lid is closed and can only be opened at standstill. A quick stop feature further increases the safety of the user.
Test results of the new A 10 basic are comparable with the ones of the previous model A 10, due to the same grinding chamber, cutter geometrics and speed.

The new mill A 10 basic offers the following features:

- Digital timer
- Counter: Display of grinding time
- Interval function
- Brushless motor for long service life and low noise level
- Integrated cooling connections
- Error code display
- Simple handling with keypads
- Easily exchangeable beater/cutter for a variety of applications
- Grinding chamber reduction for small sample sizes and stainless steel cutter A 10.1 included with delivery
- Bayonet lock for lid to enable simple and safe locking

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Technical Data

Process type	batch
Operating principle	cutting/impact
Motor rating input [W]	300
Motor rating output [W]	240
Speed max. [rpm]	25000
Speed deviation [±rpm]	500
Circumferential speed max. [m/s]	73
Useable volume max. [ml]	50
Feed hardness max. [Mohs]	5
Feed grain size max. [mm]	6
Material beater/cutter	stainless steel 1.4034
Material milling chamber	stainless steel 1.4301
Power-ON time [min]	5
Power-OFF time [min]	10
Milling chamber, can be cooled with water	yes
Mill feed can be cooled in milling chamber with dry ice	yes
Dimensions (W x H x D) [mm]	130 x 250 x 145
Weight [kg]	2.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 41
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	300