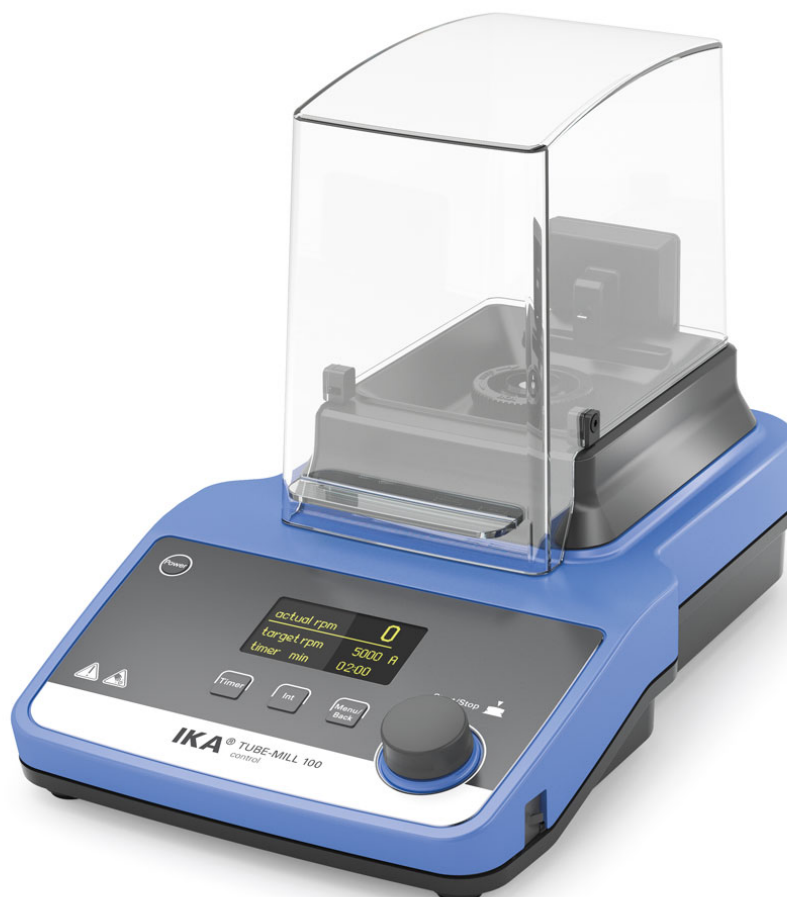


# IKA

designed for scientists



## Tube Mill 100 control

/// Data Sheet

The world's first patented Tube Mill 100 control is a batch mill with disposable grinding chambers. Eliminates possibility of cross-contamination and the effort of cleaning.

The Tube Mill 100 control accommodates larger grinding chambers with a maximum volume of 100 ml (MT 100) .

The grinding chamber and cover are made of a transparent material so grinding tests can be observed at any time. The mill can be used for hard (Mohs hardness up to 5), dry and brittle materials. It is especially suitable for grinding seeds, such as corn and wheat.

The mill will only start when the hood is closed, making it safe to use.

HUBERLAB. AG  
Industriestrasse 123  
4147 Aesch

T 061 717 99 77  
F 061 711 93 42

[www.huberlab.ch](http://www.huberlab.ch)  
[info@huberlab.ch](mailto:info@huberlab.ch)

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- Clear and multilingual OLED display (incl. error code display)
- Timer, adjustable from 5s - 3 min
- USB interface (control and document all parameters)
- Interval operation optional
- Infinitely variable speed (5,000 - 25,000 rpm)
- Various operating modes
- Adjustable safety speed and time
- Programmable and storable test conditions
- Reproducible test results
- Touch keypad
- Scope of delivery includes grinding chambers: 1 x MT 40; 1 x MT 100 and 1 x MMT 40

#### Technical Data

Process type	batch
Operating principle	cutting/impact
Motor rating input [W]	100
Motor rating output [W]	80
Speed range [rpm]	5000 - 25000
Speed deviation [±%]	2
Circumferential speed max. [m/s]	65
Useable volume max. [ml]	100
Feed hardness max. [Mohs]	5
Feed grain size max. [mm]	10
Power-ON time [min]	3
Mill feed can be cooled in milling chamber with dry ice	yes
Dimensions (W x H x D) [mm]	180 x 212 x 300
Weight [kg]	2.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 30
USB interface	yes
Voltage [V]	220 - 240 / 100 - 120 / 100
Frequency [Hz]	50/60
Power input [W]	100