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Tube Mill control

/// Data Sheet

The world's first patented Tube Mill control is a batch mill with disposable grinding chamber. Eliminates possibility of cross-contamination and the effort of cleaning. 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. During development of the mill, particular emphasis was placed on security. The mill will only start when the hood is closed. When the grinding chamber is not inserted properly or not closed properly, the drive unit will display an error message and the drive will not start. During operation, the grinding chamber cannot be opened. The drive and the grinding chambers are secured with a labyrinth seal. No dust can escape from the chamber or penetrate the drive.

- Clearly arranged, multilingual OLED-display
- Timer, adjustable from 5 s to 3 min
- USB interface for control and documentation of all the parameters
- Interval operation available
- Infinitely variable speed from 5000 to 25000 rpm
- Various operating modes
- Adjustable safety speed
- Adjustable safety time
- Programmable and storable test conditions
- Error Code Display
- Reproducible test results
- Easy operation with touch keypad
- Dust proof sealed housing
- Quiet operation

-Scope of delivery includes two grinding chambers: 1 x MT 40.10, 1 x MMT 40.1

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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]	40
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 170 x 300
Weight [kg]	2.7
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
Frequency [Hz]	50/60
Power input [W]	100