



## ACCURATE X-RAY FLUORESCENT ANALYSES THROUGH OPTIMUM SAMPLE PREPARATION

HP-M1500 Vibration grinding mill

### Design features:

- Enclosed noise insulated housing
- Automatic work cycle after manual sample input
- Grinding vessel capacity 1500 ml
- Variable speed drive
- Automatic cleaning of the grinding vessel by means of compressed air
- Minimum maintenance
- Operator panel for parameter setting and manual operation
- PLC controlled

### TECHNICAL DATA

#### Dimensions

1400 x 890 x 1700 mm

#### Weight

app. 840 kg

#### Power supply and consumption

Neutral conductor: Not required

Power consumption: app. 5,0 kVA

#### Electrical switch cabinet (integrated)

Programmable controller: SIMATIC S7

Control voltage: 24 V DC

Protection class: IP 44

Insulation class: B

#### Compressed air supply and consumption

Pressure: min. 5 bar, max. 10 bar

Consumption: app. 1500 Ndm<sup>3</sup> per sample

#### Waste removal

Position of dedusting stud: at rear side of the machine

Diameter of dedusting stud: 50 mm

Required dedusting capacity: 6-10 m<sup>3</sup>/min at 2000 Pa

#### Processable samples

Material: granular, minerals of different kinds

Grain size: max. 5 mm

Hardness: max. 9 Mohs

Temperature: max. 100°C

#### Process parameter

Grinding time: 0...999 s  
Working time: approx. 2 min + preselected grinding time  
Number of programs: 8

The design of the machines correspond to the current German accident prevention and VDE regulations.  
We reserve the right to make technical changes.