

VIBRATION GRINDING MILL HP-M 100P



SAMPLE PREPARATION FOR XRF/XRD ANALYSIS

HERZOG

VIBRATION GRINDING

Sample preparation for

SAMPLE PREPARATION FOR PRECISE ANALYSES

Program-controlled grinding processes for sample preparation for x-ray analysis.

Highest reproducibility by automated work process. Also clear decrease of the work place dust and noise load due to increased safety. Herzog vibration grinding mills are closed completely, noise-insulated and have a safety switch-off for operating personnel protection.

With their high technical standard at low construction sizes, Herzog vibration grinding mills fully comply with the laboratory requirements.

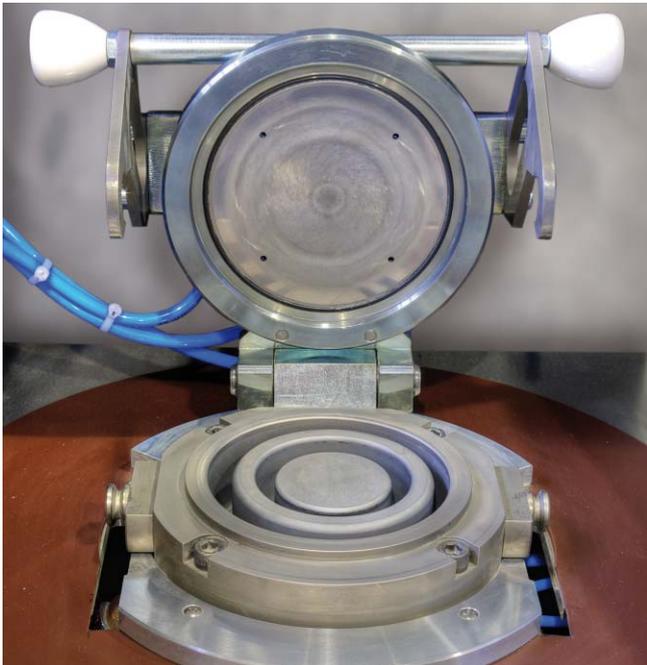
HERZOG VIBRATION GRINDING MILLS – SHORTER GRINDING PROCESSES, LONG SERVICE LIFE

The Herzog vibration grinding mill HP-M100P is suitable for grinding minerals, slags and ferrous alloys as well as organic materials. The high speed of the drive motor guarantees for short grinding processes even for hard materials. The robust build with double eccentric bearing ensures a long service life of the mill at the lowest maintenance effort.

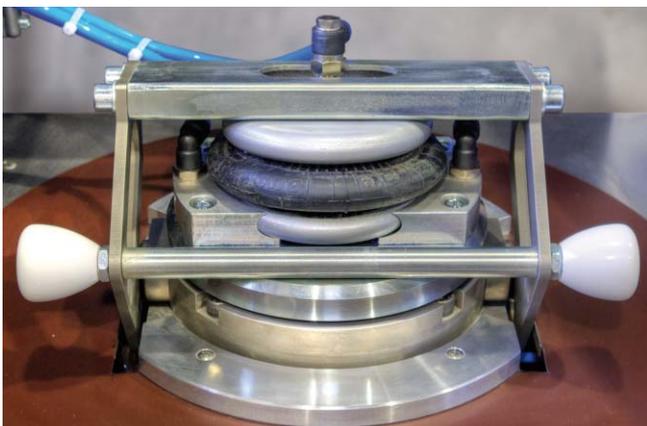
SIMPLEST OPERATION WITHOUT APPLICATION OF FORCE

The grinding vessel is firmly attached to the vibrating aggregate and can be opened and closed by a handle. The good accessibility enables fast and clean filling of the grinding vessel. The grinding vessel lid is locked pneumatically.

After grinding, the sample material is filled into a stainless steel cup and can be removed at once at the output position during the cleaning of the vessel.



The grinding vessel can be opened with a handle



Pneumatic locking of the grinding vessel



Separate sample output position

GRINDING MILL HP-M 100P

for XRF/XRD-analysis

AUTOMATIC GRINDING VESSEL CLEANING

The grinding vessel is cleaned automatically after every grinding process. Thus, the work place dust load is much decreased. The handling of heavy grinding vessels is therefore completely eliminated.

PROGRAMMABLE LOGIC CONTROL (PLC) WITH 5 PREPARATION PROGRAMS

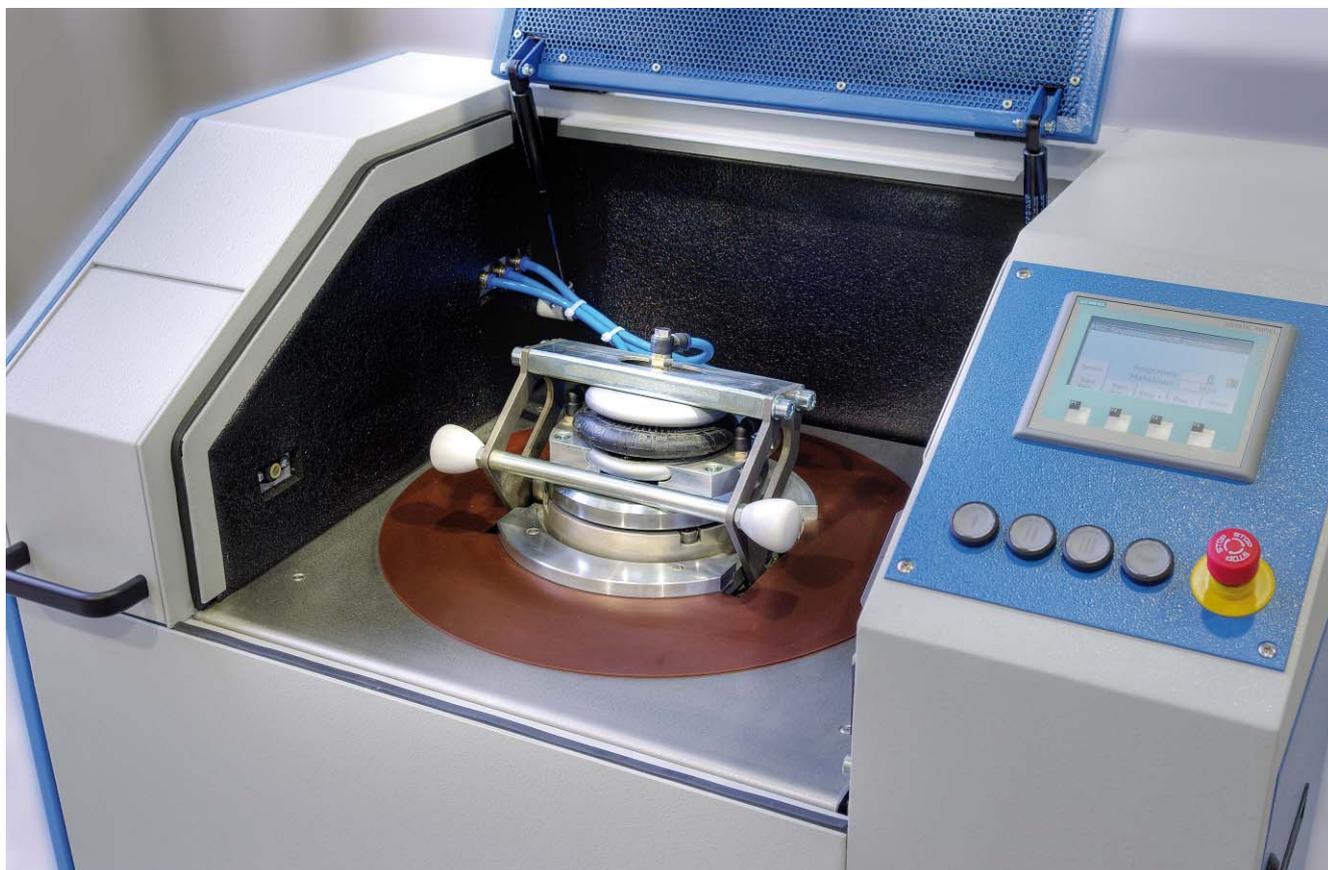
The integrated Simatic PLC guarantees for reliable, automatic sample preparation of many different sample materials.

Up to 5 processing programs can be stored.

All parameters for grinding duration and grinding speed, as well as for sample output and cleaning are deposited as program parameters and can be set at the control panel.



Touch screen operating panel



HP-M 100P vibration grinding mill

TECHNICAL DATA VIBRATION GRINDING MILL

Model HP-M 100P

Color: blue/white, RAL 5007/7035
Text: english

Dimensions L x W x H

Machine: 570 x 950 x 1170 mm

Weight

Machine: 355 kg

Power supply and consumption

Voltage: 400 V, 50 Hz, 3 phases
Neutral conductor: not required
Power consumption: approx. 2 kVA

Compressed air supply and consumption

Pressure: min. 5 bar, max. 10 bar
Consumption: approx. 1050 nl/sample
max. 1870 nl/min

Disposal connections

Outer diameter: DN 80 mm
Required extraction
output: 7 m³/min at 370 Pa

Electrical cabinet (integrated)

PLC control: SIMATIC S7
Control voltage: 24V DC
Protection type: IP 54
Insulation class: B

HERZOG

Sample types

Different materials, e.g. raw meal, cement, clinker, slags, ore, organic materials

Grain size: max. 10 mm
Hardness: max. 9 Mohs

Processing parameters

- Grinding time
- Grinding speed
- Output time
- Cleaning time



The machine is manufactured in accordance with European CE Directives.

We reserve the right to make technical modifications.



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