

HERZOG CRUSHER, PULVERIZING MILL AND PELLET PRESS

for Automatic, Analysis-Ready Preparation of Powder and Granular Samples for XRF/XRD Analysis



FULLY AUTOMATIC PREPARATION LINE
FOR ALUMINIUM BATH SAMPLE

HERZOG

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TECHNICAL DATA – Jaw Crusher

Model HP-CA

Colour: Blue/white, RAL 5007/7035
 Labelling: German
 Operating manual: 1 copy, English

Dimensions (LxWxH) and weight

Overall dimension: 850 x 900 x 1915 mm
 Weight: 650 kg

Power supply and Power consumption:

Voltage: standard 400 V, 50 Hz, 3-phase *
 Neutral conductor: not required
 Power draw: 2,0 kVA

Compressed air supply and consumption:

Pressure: min. 5 bar; max. 10 bar
 Consumption: 500 dm³N/sample

Waste Connections

Position dust collection: back of machine
 Outside diameter: 50 mm
 Dust collection capacity: 6-10m³/min at 2100 Pa

Electrical control cabinet (integrated)

PLC control: SIMATIC S7-300
 Control voltage: 24V DC
 System of protection: IP 44
 Insulation class: B

Processing parameters

Grinding time: 0-999 s
 Working time: approx. 1 min

Processable samples

Grain size: max. 20 mm
 Hardness: max. 9 Mohs
 Temperature: max. 100° C

* other power supply as requested

TECHNICAL DATA – Pulverizing Mill

Model HP-MA

Colour: Blue/white, RAL 5007/7035
Labelling: German
Operating manual: 1 copy, English

Dimensions (LxWxH) and weight

Overall dimension: 850 x 900 x 1600 mm
Weight: 610 kg

Power supply and Power consumption:

Voltage: standard 400 V, 50 Hz, 3-phase *
Neutral conductor: not required
Power draw: 2,5 kVA

Compressed air supply and consumption:

Pressure: min. 5 bar; max. 10 bar
Consumption: 1500 dm³N/sample

Waste Connections

Position dust collection: back of machine
Outside diameter: 50 mm
Dust collection capacity: 6-10m³/min at 2100 Pa

Electrical control cabinet (integrated)

PLC control: SIMATIC S7-300
Control voltage: 24V DC
System of protection: IP 44
Insulation class: B

Processing parameters

Grinding time: 0-999 s
Working time: approx. 2 min + grinding time

Processable samples

Material: granular, minerals of different kinds
Grain size: max. 5 mm
Hardness: max. 9 Mohs

* other power supply as requested

TECHNICAL DATA – Pellet Press

Model HP-PA

Colour: Blue/white, RAL 5007/7035
Labelling: German
Operating manual: 1 copy, English

Dimensions (LxWxH) and weight

Overall dimension: 1050 x 900 x 1600 mm
Weight: 750 kg

Power supply and Power consumption:

Voltage: standard 400 V, 50 Hz, 3-phase *
Neutral conductor: not required
Power draw: 2,5 kVA

Compressed air supply and consumption:

Pressure: min. 5 bar; max. 10 bar
Consumption: 1200 dm³N/sample

Waste Connections

Position dust collection: back of machine
Outside diameter: 50 mm
Dust collection capacity: 6-10m³/min at 2100 Pa

Electrical control cabinet (integrated)

PLC control: SIMATIC S7-300
Control voltage: 24V DC
System of protection: IP 44
Insulation class: B

Processing parameters

Pressing time: approx. 60 s
Pressing force: 5-40 t

Processable samples

Material: granular, minerals of different kinds
Grain size: max. 100 µm
Hardness: max. 9 Mohs

* other power supply as requested



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