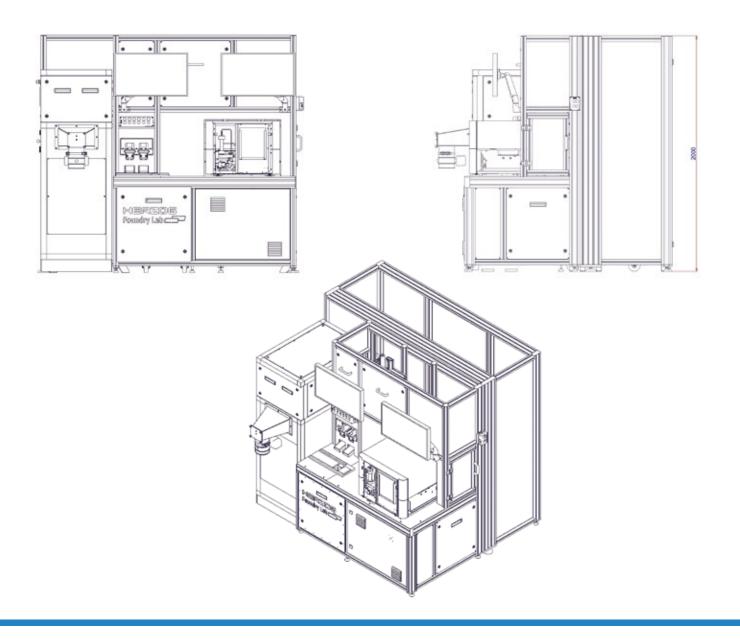
HERZO6



FoundryLab

The FoundryLab is the fully-automatic solution for the challenges in quality inspection of foundries. The cost-effective system has a small footprint, significantly increases laboratory throughput and relieves the operator from mundane tasks. All components of the FoundryLab are perfectly matched and guarantee highest quality standards both in sample preparation and analysis. The HTS

3000 cup grinding machine by HERZOG excels by short machining time, optimal surface processing and contamination-free operation. The metal analyzerSPECTROMAXX by SPECTRO AMETEK provides excellent and rapid elemental analysis at a minimum of maintenance costs. The servo-transport system ensures trouble-free sample handling without need for manual intervention.





Technical data

HTS 3000

• Colour: RAL 5007/7035

Documentation: 1 Set English/German

Dimensions (LxWxH)

1200 mm x 600 mm x 1700 mm Machine

Weight

Machine 550 kg

Power supply and consumption

3 x 400 V, 50 Hz Voltage Neutral conductor Not required

Switch cabinet integrated

Cup Wheel dimensions (dmxH)

200 mm x 100 mm Cup wheel

Compressed air supply and consumption

Pressure Min. 5 bar, max. 10 bar Consumption Approx. 750 dm3N per sample

SPECTROMAXX

CCD Optics

High resolution CCD multi detectors

Stabilized against fluctuations in temperature

Effective wavelength range:

140-670 nm, the applicable and config- ured wavelength range is based on the customer's application requirements Automated profiling

Spark Stand

Open spark stand for high sample throughput and various

kinds of sample geometries

Minimized argon consumption with Argon Saver Module

Optimized argon flow

Spark stand plate easily exchangeable

Excitation System

Fully digitalized plasma generator with digital discharge definition, digital pulse generation and digital offline pulse

control 32 MHz micro-controller

Energy resolution 125 mW in 0.5 ns steps

Max. spark duration 4000 µs 4 kW Max. spark power

Software

Spark Analyzer Pro MAX Software for analytical operation

and calibration

Continuous automatic hardware diagnosis in the background

Automatic alloy/grade verification and identification

Result Manager

Online Maintenance Scheduler

Environmental Conditions

10-30°C (50-86°F) Room temperature Relative humidity < 80 %, non-condensing Atmosphere free of corrosive vapors

and high dust pollution

Spectrometer Data

max. 400 VA during sparking

Fuse 16 A slow-blow Version Benchtop Floor model Depth 750 mm/30" 790 mm/31" Width 625 mm/25" 625 mm/25" 450 mm/18" 1350 mm/53" Height

Weight 77 kg

127 kg approx. 169.7 lbs 279.9 lbs

Automation

Colour: RAL 5007/7035

Documentation: 1 Set English/German

Dimensions (LxWxH)

2150 mm x 2000 mm x 2000 mm Machine

Weight

Machine Approx. 1100 kg Machine incl. packing Approx. 1500 kg

Power supply and consumption

Voltage 3 x 400 V. 50 Hz Neutral conductor Not required

Compressed air supply and consumption

Pressure Min. 5 bar, max. 10 bar Consumption Approx. 750 dm3N per sample

Processed Samples

Material Cast iron

Production samples Round \emptyset 40 mm, h = 8 mm Round \emptyset 45 mm, h = 50 mmControl samples

Processing parameters

Cutting depth Max. 2 mm programmable in steps

of 0.1 mm

Processing

cycle duration Depending upon the program

min. 60 sec.

Sample cooling

By means of cooling nozzles Cooling type

Cooling media Compressed air

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The design of the machine complies with the applicable accidentprevention and VDE