

FOUNDRY-MASTER

PRO2

HITACHI

Inspire the Next

Laboratory metal analyzer



PROCESS / QUALITY CONTROL

Accurate, precise metals identification

Seamless quality control is essential throughout the metals industry, from trace element analysis in scrap metal, to incoming materials inspection, melt process control and goods issue.

The FOUNDRY-MASTER Pro2 optical emission spectrometer is a metals analyzer engineered to deliver superior analysis at every stage, without compromising your productivity. Thanks to its near constant availability and high resolution dynamic detector you can get detailed results quicker, minimizing production downtime and costly errors.

This unique combination of performance and efficiency makes FOUNDRY-MASTER Pro2 the analysis instrument of choice for the metals industry.



Technical Specifications

Height / width / depth	1140 mm / 45 in	730 mm / 29 in	850 mm / 33 in
Weight	180 kg / 397 lb		
Power	90 – 250 V AC, 50 / 60 Hz		
Consumption max.	1000 W		
Operating mode / standby	700 W / 50 W (100 W source on)		
Optical system			
Rowland circle	Paschen-Runge mounting		
High resolution Multi-CMOS	Optimized pixel resolution		
Wavelength range	130 – 780 nm		
Focus	350 mm		
Solid state source			
	Computer controlled parameters, DSP 160 MHz 16 bit		
Frequency	80 – 500 Hz		
Voltage	250 – 500 V		
	High Energy Pre Spark (HEPS)		
Readout system			
External PC workstation	Microsoft® Windows® user interface		
Options			
Adapters	Sample preparation devices		
Spare parts kit	Consumables kit		



Highlights and applications

The intuitive user interface and numerous features of the FOUNDRY-MASTER Pro2 make analysis work easy. Just place the sample on the spark stand, start the measurement and read the result. The low detection limits for various applications offer superior results in QA/QC and melt process control.

- | Maximum availability, minimum downtime.
- | Excellent long-term stability, precision and accuracy.
- | Increased productivity with higher sample throughput.
- | Includes largest metals database on the market for fast and easy grade identification.
- | Method for determination of soluble and insoluble aluminium available.

A unique spark stand, accessible from three sides, makes the FOUNDRY-MASTER Pro2 ideal for samples with complex and irregular shapes and sizes.

Our Service

Our global network of service hubs offers a full range of technical support to keep you up and running.

- | **Telephone help-desks**
For a fast response to your problem.
- | **Consumables and accessories**
From electrodes to spare part kits.
- | **Recertification and maintenance**
Ensures your analyzer produces the right result year after year.
- | **Training**
Understand your analyzer and its features.
- | **Extended warranties**
Avoid unplanned costs.
- | **Repairs**
Fast and efficient turnaround.

MORE INFORMATION

To find out more about our range of OES analyzers, visit:

www.hitachi-hightech.com/hha

Grade database included

The largest metals database on the market for fast and easy grade identification is already installed on the FOUNDRY-MASTER Pro2.

The Hitachi GRADE Database offers more than 12 million records for over 339,000 materials from 69 countries and standards. You can update your instrument's grade database with a few clicks – no time consuming research in norms and grade catalogues.

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 Science for a better tomorrow



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