

# FOUNDRY-MASTER

SMART

# HITACHI

Inspire the Next

High performance metals analysis on your desktop



PROCESS / QUALITY CONTROL

# Compact size, high performance

Seamless quality control is essential in the metals industry at multiple stages of production.

The FOUNDRY-MASTER Smart is the ideal solution for the metal production and processing industry, providing cost-effective, reliable analysis. This new generation optical emission spectrometer offers high analytical performance at an extremely compact size.

The preinstalled GRADE Database is the largest metals database for fast and easy grade identification. It offers over 12 million records for 339,000 materials from 69 countries and standards – no time consuming research in norms and grade catalogues.



## Technical specifications

### FOUNDRY-MASTER Smart

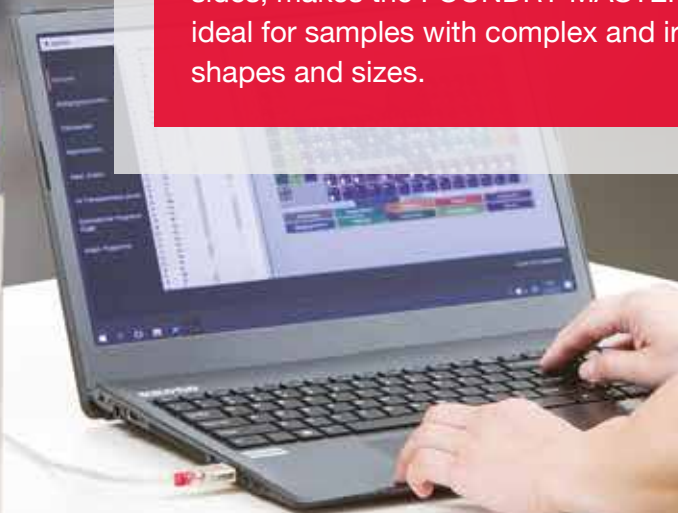
Purpose	Cost efficient, reliable analyser for the metals producing and processing industry
Applications	Nitrogen in duplex steel Fe, Al, Cu, Ni, Co, Mg, Ti, Zn
Matrices/elements	Extendable
GRADE Database	Included
Grade Search Plus	Optional
Charge correction software	Optional
Wavelength range	172 – 420 nm
Optic coverage	Up to 671 nm (for Cu, Na, Li)
Height x width x depth	280 x 415 x 665 mm
Weight	35 kg
Notebook	Optional



# Highlights and applications

- | Analyses the majority of metals and their alloys
- | High analytical performance from powerful patented optics
- | Very short start-up and measurement time
- | Identification of duplex steels with Nitrogen analysis
- | Compact foot-print of just 415 x 665 mm and weighing just 35 kg handling is easy
- | Results at your fingertips: wide range of result forms, automatic storage
- | Excellent price-performance ratio

A unique spark stand, accessible from three sides, makes the FOUNDRY-MASTER Smart 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 analyser produces the right result year after year.

## | Training

Understand your analyser and its features.

## | Extended warranties

Avoid unplanned costs.

## | Repairs

Fast and efficient turnaround.

## MORE INFORMATION

To find out more about the FOUNDRY-MASTER range of analysers, visit:

[www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)

# Other products

We have been providing industrial analysis products for the manufacturing industry for over 40 years.

| **Handheld LIBS:** latest technology for 1-second alloy identification with no X-rays.

| **Handheld XRF:** for fast, reliable, non-destructive identification and analysis of alloys.

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 Science for  
a better tomorrow