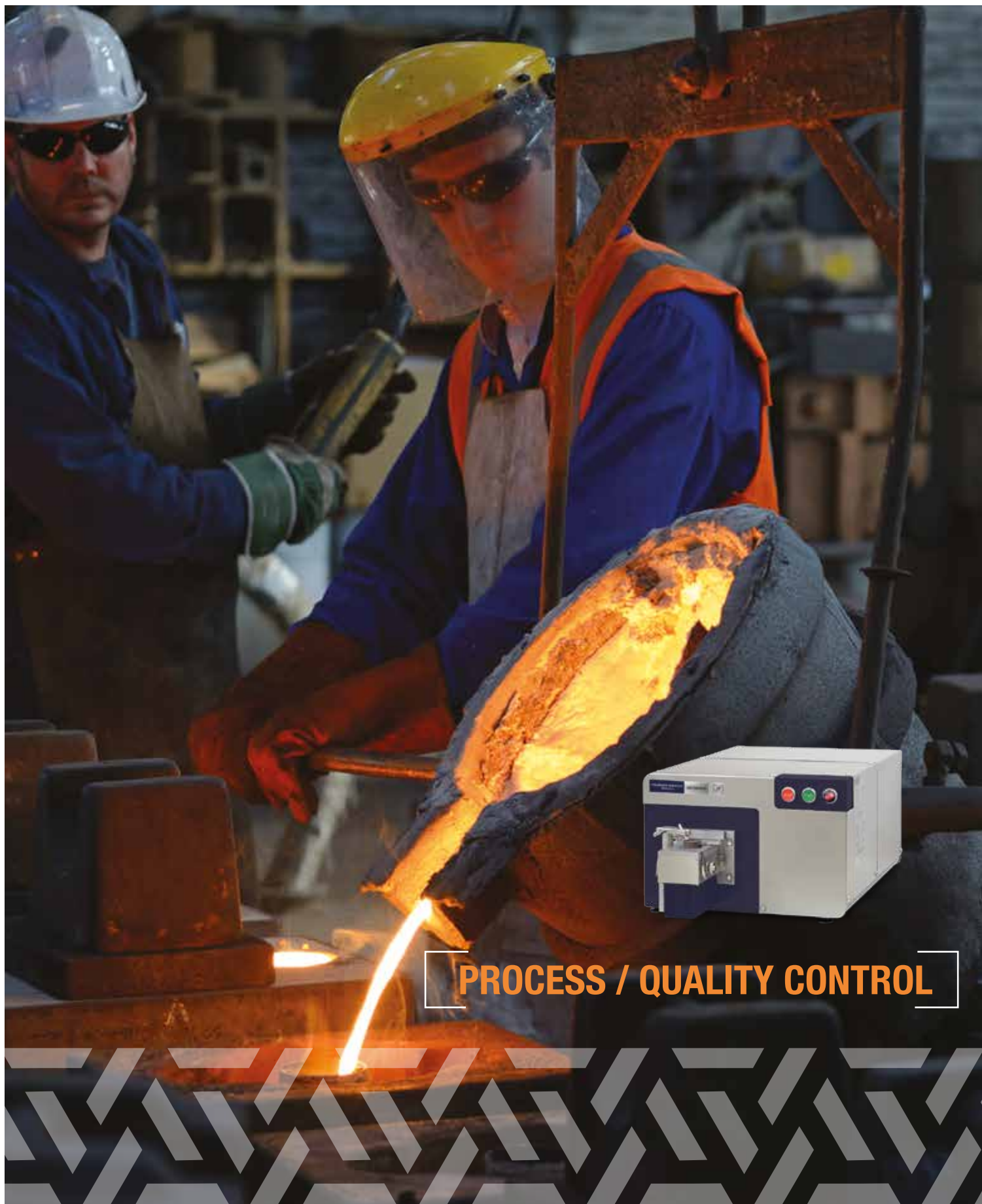


FOUNDRY-MASTER
OPTIMUM / SMART

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 and Optimum are the ideal solution for the metal production and processing industry, providing cost-effective, reliable analysis. These new generation optical emission spectrometers offer 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.

Smart vs. Optimum



	FOUNDRY-MASTER Smart	FOUNDRY-MASTER Optimum
Purpose	Cost efficient, reliable analyser for the metals producing and processing industry	Optimised for additional matrices and determination of Nitrogen in duplex steel
Applications	Fe, Al, Cu, Ni	Nitrogen in duplex steel Fe, Al, Cu, Ni, Co, Mg, Ti, Zn
Matrices/elements	Not extendable	Extendable
GRADE Database	Included	Included
Grade Search Plus	Optional	Included
Wavelength range	175 – 420 nm	172 – 420 nm
Optic coverage	Up to 671 nm (for Cu, Na, Li)	Up to 671 nm (for Cu, Na, Li)
Height x width x depth	280 x 415 x 665 mm	280 x 415 x 665 mm
Weight	35 kg	35 kg
Notebook	Optional	Included

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.
- | FOUNDRY-MASTER Optimum: 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 / Optimum 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

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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Part number: 6300000122



Science for
a better tomorrow



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