FOUNDRY-MASTER COMPACT (FMC)

The new 'shooting star' in stationary metal analysis

Based on the tested and proven **FOUNDRY-MASTER**, the 'compact' exhibits some carefully thought out simplifications.

The **FOUNDRY-MASTER** COMPACT is ideal and cost effective for analytical application, where good repeatability is required, but very low levels of detection are not required.

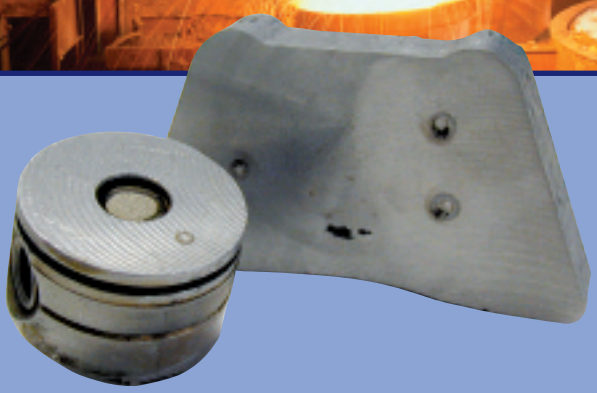
The **FOUNDRY-MASTER** COMPACT abandons vacuum systems which are not required for non-ferrous materials. Additionally the instrument does not require any complicated gas flushing for its high-resolution Multi-CCD Optic, making it inexpensive to run. The pure simplicity of the FM compact is its 'air' flushed optic which provides measurement capability at wavelengths above 185 nm.

As with the standard **FOUNDRY-MASTER**, large sample geometries can be placed on the open spark stand and can be analysed trouble free. Small objects, curved items, tube and wire samples can all be analysed, because the instrument has the unique WAS Jet-Stream Technology. Irregular samples can be measured with a single universal adapter.

The digital source (spark generator) is controlled via the external Windows™ PC and provides ideal excitation parameters for diverse alloys. Renown for its user-friendly graphic-user interface, our WASLaB software provides all aspects of modern computing.

The **FOUNDRY-MASTER** COMPACT, is not a compromise. It is a special combination of features developed especially for cost effective industrial applications.

- **Basic low-cost system**
- **Optimised for non-Fe applications**
- **Jet-Stream Technology**
- **Easy-access spark stand**



Worldwide Analytical Systems AG

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The Business of Science®

OXFORD INSTRUMENTS

Technical Data

Height	680 mm (26,8”)
Width	410 mm (16,2”)
Depth	640 mm (25,2”)
Weight	60 kg (133.3 lbs)
Mains Power	230-110 VAC (50/60 Hz)
Operating Mode	600 W
Standby Mode	50 W

Optical System

Multi CCD optical-system with Paschen-runge Mount

Resolution CCD	6 Pico-meter
Reciprocal dispersion	0,9 nm/mm (1st order)
Focal length	400 mm
Holographic grating	2400 g/mm
Wavelength	185 – 590 nm

Solid State Source

Computer controlled parameters

Frequency	100 – 400 Hz
Voltage	300 – 500 V

High Energy Pre Spark HEPS

Options

Wire-adapter set
Sample preparation devices
Spare parts kit
Consumables kit

Typical Applications

Analytical mode / identification
non-ferrous metals and their alloys
Al wrought alloys, casting alloys…
Cu bronze, brass, cupronickel…
Mg-, Zn - alloys…

Readout System

External PC-Workstation incorporating up-to-date technology

We put the spark in Spectrometry

Click onto **www.oxford-instruments.com** for more information

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