TEST-MASTER PRO

HITACHI
Inspire the Next

Robust and efficient for high throughput metals analysis



Designed for the harshest conditions

Seamless quality control is essential in metal production.



The TEST-MASTER Pro is the ideal instrument for metal processing companies looking for a fast, mobile and robust analyser.

This optical emission spectrometer is designed for high throughput and 24/7 operation thanks to rapid measurement times and special hardware design.

The preinstalled GRADE Database is the largest metals database on the market for fast and easy grade identification. It offers over 12 million records for 329,000 materials from 69 countries and standards – no time consuming research in norms and grade catalogues.

Technical Specifications

Height / width / depth	1000 mm	650 mm	1115 mm
Weight	70 kg		
Power	230 – 110 VAC, 50 / 60 Hz		
Optical System			
Multi-CCD	Paschen-Runge mounting		
Wavelength range	185 – 672 nm		
Focal length	400 mm		
Solid state source			
Frequency	80 – 500 Hz		
Voltage	250 – 500 V		
	High Energy Pre-Spark (HEPS)		
Probe (optional)			
Multifunctional arc / spark adapter head, LEDs for Pass / Fail sorting			
Weight	1.3 kg		
Cable length	4 m / 8 m / 10 m (automation)		
Software and user interface			
Internal computer unit, up-to-date technology with Microsoft® Windows® Touch screen user interface			



Automation

Highlights and Applications

The TEST-MASTER Pro automation system can be integrated into conditioning lines of steel plants or within metal processing to deliver in production control, to monitor chemical composition or minimize the risk of material grade mix-up. It offers:

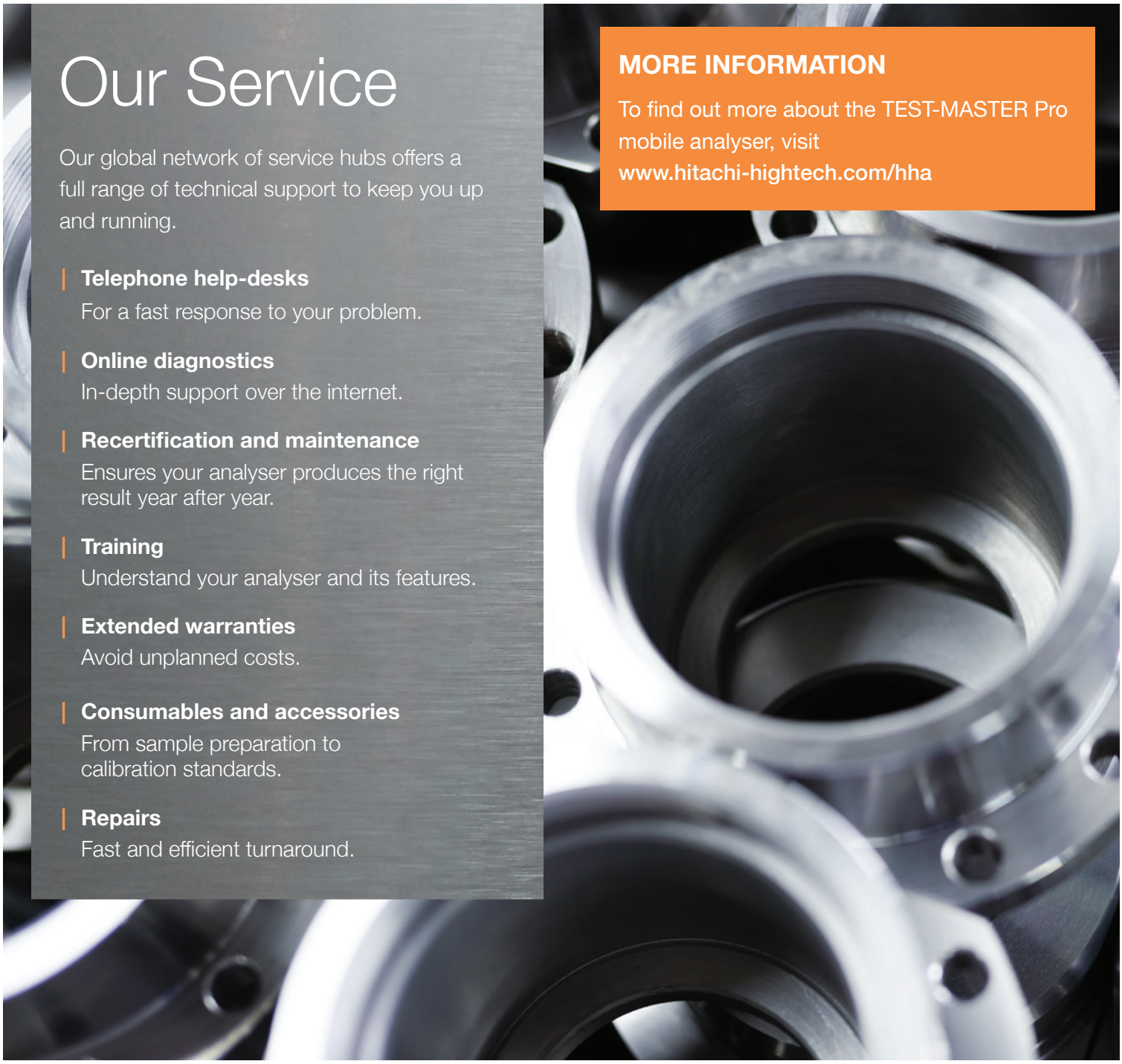
- Fully automatic, low maintenance testing.
- Rapid analytical measurement time.
- Mobility and automation probe with long flexible cable.
- Arc mode (no need for sample preparation).
- Probes that have been designed for continuous operation.
- Evaluation of complete wavelength range for pass / fail sorting in just 3 seconds, carbon analysis in just 4 seconds.

100% material testing at 24/7 operation

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.
- **Online diagnostics**
  In-depth support over the internet.
- **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.
- **Consumables and accessories**
  From sample preparation to calibration standards.
- **Repairs**
  Fast and efficient turnaround.



MORE INFORMATION

To find out more about the TEST-MASTER Pro mobile analyser, visit **www.hitachi-hightech.com/hha**

Other products

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

- **Handheld LIBS:** latest technology for 1-second alloy identification with no X-rays.
- **Handheld XRF:** for portable analysis of bulk materials and ensuring compliance to consumer goods and electronics regulatory statutes.

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