

**TEST-MASTER**  
PRO

**HITACHI**  
Inspire the Next

The industry standard for high throughput metals analysis



**QUALITY CONTROL**

If you need high throughput, reliable metals analysis every hour of a day, each day of the year then we have the solution for you. Designed to be your workhorse, the mobile TEST-MASTER Pro optical emission spectrometer delivers full chemical analysis with ease. It's great for quality control and assurance in metal production no matter how harsh the environment.

# Why the TEST-MASTER Pro is the perfect tool for your business



## **FAST**

With arc mode, you'll achieve pass/fail sorting in three seconds with minimal or no sample preparation. With spark mode after suitable sample preparation, pass/fail sorting can be achieved in four seconds, including carbon measurement.



## **PROOF OF TEST**

The TEST-MASTER Pro leaves a unique burn mark on each piece tested. This helps to minimise the risk of a material mix as the metal moves through the plant and to the end users. This product verification method is the industry standard beside others in the steel and titanium industries.



## **INTER-CHANGEABLE PROBES**

The ability to change out probes fast increases productivity and minimises downtime.



## **ROBUST**

This workhorse is designed for continuous operation; 100 percent testing 24/7 for 365 days a year.



## **READY TO GO**

Short warm up time means you'll be up and running every day in no time.



## **ACCESSIBILITY**

Mobility and automation probe with long flexible cable.



## **AUTOMATION**

Fully automatic, low maintenance testing for profitability and peace of mind.



## **GRADE DATABASE INCLUDED**

The largest metals database for fast and easy grade identification is preinstalled with more than 12 million records for over 340,000 materials from 69 countries and standards. No more time-consuming research.



## Made in Germany

Our instruments are purpose designed and tested for the most demanding environments. This means we're able to deliver ultimate quality control with no compromise on our products.

## Automate your processes

You can integrate the TEST-MASTER Pro into conditioning lines of steel plants or within metal processing to deliver production control, chemical composition monitoring or to minimise the risk of material grade mix-ups. This can be done in both Arc and Spark modes of operation ensuring 100% mix control on your production lines. The TEST-MASTER Pro has been designed to be robust and efficient for measuring large quantities.

# A choice of probes

### UVPRO

Choose for low detection level of carbon, phosphorous, sulphur, boron, arsenic and tin in low alloy and stainless steels. It also offers L grade separation.

Extended wave length range of probe's optic – 165 to 210 nm.

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### SPARK

Choose for reliable spark analysis of standard elements including carbon.

Various sample adapters available to measure e.g. small samples and wires.

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### ARC

Choose for sorting of metals with arc in air atmosphere, especially tubes, wires and small parts.

No argon needed and results in seconds.



# 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.
- | **Preventative 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.

## WHAT NEXT?

Contact one of our experts today at [contact@hitachi-hightech-as.com](mailto:contact@hitachi-hightech-as.com) to arrange a demo.

## MORE INFORMATION

To find out more about the TEST-MASTER Pro analyser, visit [www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)

# Other products

We've been providing industrial analysis products for over 45 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



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