

# What next?

To find out more about our general metal finishing and analysis products, visit [hha.hitachi-hightech.com/en/](http://hha.hitachi-hightech.com/en/)

Or, get in touch with one of our experts at [contact@hitachi-hightech-as.com](mailto:contact@hitachi-hightech-as.com) to discuss your specific analysis challenges – and learn how we can help you solve them.

## General Metal Finishing

**HITACHI**  
Inspire the Next

Where every mil or micron counts



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**METAL FINISHING  
COATINGS ANALYSIS**

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When precision is critical to product quality, be sure the coatings analysers you use are up to the job.

Choosing the right product can help ensure target specifications are achieved and identify defects before they become a problem, thereby avoiding costly waste and rework.

We understand that cost is an important consideration, so we build robust products that last, are inexpensive to own, can be used by anyone, and enable fast through-put. Hitachi High-Tech Analytical Science has been designing coatings analysers for over 40 years. We are known for a range of instruments built specifically to give manufacturers precise, accurate and rapid measurement for quality assurance and quality control.

## Benchtop X-ray (XRF) analysers

Our FT series, MAXXI 6 and X-Strata920 XRF analysers offer rapid, non-destructive testing across a range of applications from corrosion and wear resistant coatings to decorative finishes.







## FLEXIBLE, POWERFUL XRF: THE FT110A

Whichever industry you're in, and whatever shape your samples may be, the FT110A can analyse coatings across your product portfolio.

### The FT110A offers:

- | Rapid coating thickness and composition measurement.
- | Dual-camera option including a wide-angle view for easier sample viewing.
- | Increased productivity with simple to use, automated sample focusing.
- | Simultaneous testing of up to four coating layers, plus the substrate.
- | Ease of use and minimal training requirements.
- | Non-destructive analysis, leaving samples unmarked.



## ANALYSE SAMPLES OF ANY SHAPE: THE X-STRATA920

With three configurations, the X-Strata920 offers flexibility to find your best fit. Choose between a fixed base, motorised and programmable base, or deep well to fit small, tall or long samples for testing hundreds of coatings applications.

### The X-Strata920 offers:

- | Reduced costs of rework and under or over-plating.
- | Simple operation with an intuitive software interface.
- | Flexibility to expand your applications library.
- | Easy reporting and data export.



## ADVANCED, LARGE CHAMBER XRF: THE MAXXI 6

Get reliable, repeatable test results for hundreds of single and multi-layered applications, including complex coating structures too challenging for traditional XRF analysers.

### The MAXXI 6 can help you:

- | Analyse samples of various shapes and sizes with its oversized, slotted chamber.
- | Optimise your analysis with multiple collimators that best fit your samples.
- | Measure up to four layers, plus the substrate, with its powerful software and high resolution SDD detector.
- | Accelerate testing with a motorised, programmable stage.
- | Simplify the analysis process.

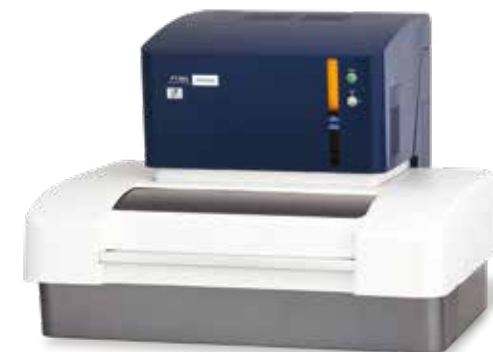


## MICROSPOT ANALYSIS FOR ULTRA-THIN COATINGS: THE FT150

Ideal for measuring incredibly small features on ultra-thin coatings, the FT150 is designed to tackle the most challenging applications.

### The FT150 can:

- | Measure with precision down to nanometers.
- | Raise productivity using the high definition Vortex® SDD detector.
- | Speed up sample preparation with its large door and stage.
- | Allow test monitoring with a large, sample observation window.





# Other products

## HANDHELD XRF ANALYSIS

Our lightweight range of handheld, XRF analysers are made to travel. Take these easy-to-use analysers to your sample, anytime and anywhere, for easy coatings analysis on samples that are too large or heavy to fit in a bench-top analyser. And that's not all, because our handheld XRF analysers can be configured for alloy identification to ensure coatings are applied to the right base metal.

### Practical, portable coatings analysis: The X-MET8000 range

Small, but rugged, the handheld X-MET8000 is compact and provides quick and easy analysis of coatings.

The X-MET8000 range enables:

- | Precision coatings analysis where bench-top instruments cannot go.
- | Easy sample presentation with a live camera view of the measurement area.
- | Robust, water and dust-proof chassis.
- | Simple training requirements and touch-screen interface.
- | Enhanced data management and on-device storage for up to 100,000 results.

## ELECTROMAGNETIC COATING THICKNESS GAUGES

These simple handheld and bench-top gauges use magnetic induction or eddy current technology to measure coating thickness on contact. They are ideal for a range of coatings on metal substrates, including electroplating, galvanising, anodising, paint, lacquer, polymer, epoxy and rubber.

### Thickness gauges for electroplating and galvanizing

To prevent defects and costly reworks, measure with precision electroplated and galvanised coatings over ferrous substrates.

Our range of thickness gauges for electroplating and galvanizing:

- | Achieve reliable results at the production line.
- | Simplify coating thickness measurement.
- | Provide complementary testing capabilities alongside XRF.

### Thickness gauges for industrial and automotive paint and powder coating

Rapidly identify coating imperfections that could impact longevity and reliability.

Our thickness gauges for industrial and automotive paint and powder coatings:

- | Verify coating thickness consistency across components.
- | Provide flexible testing that measures a range of coatings.
- | Ensure accurate measurements on flat and curved surfaces.



# Our Service

Hitachi High-Tech's global network of service hubs offers a full range of technical support to keep you up and running:



### TELEPHONE HELP DESKS

Whenever you have a problem, we're ready to help.



### ONLINE DIAGNOSTICS

In-depth and rapid support via our website.



### TRAINING

To help you get the most out of your analyser and its full range of features.



### EXTENDED WARRANTIES

To give you extra peace of mind and avoid unplanned costs.



### REPAIR SERVICE

We offer a fast and efficient repair service, recertification and maintenance through our service agreements to ensure your analyser is maintained in excellent condition and avoids any unplanned costs.



Basic safety training in the use of X-ray based devices may be required in your country or territory.