

# X-STRATA920

**HITACHI**  
Inspire the Next

1 micron can be the difference



**COATINGS ANALYSIS**

# Maximum accuracy, minimal waste

When less than a single micron can be the difference between achieving performance targets and product failure, choose the X-Strata920 for precise coatings analysis.

If you work in the electronics or metal finishing industries we have the right solution for your business. The X-Strata920 with its choice of configurations can analyse single-layer and multi-layer coatings including alloyed layers.

Our in-house experts test and measure routine and complex coatings structures to ensure you get reliable repeatable results for hundreds of applications including: PCB surface finishes, connector coatings, corrosion resistance, decorative finishes, wear resistance and high temperature resistance.

The X-Strata920 comes with four base configurations so you can handle parts of any shape. The slotted chamber with either a standard or wide fixed base fits small parts as well as long skinny samples. The mini-well chamber gives you the flexibility to measure taller parts. Choose the motorised, programmable stage to automatically measure multiple samples or various locations on a single assembly.

## Four base configurations:

Mini-well



Wide base



Standard base



Motorised base



# The right tool for the job

With the option of either a proportional counter or silicon drift detector (SDD), you can ensure you have the right configuration..

A proportional counter is good for the majority of applications, but best for simple coatings structures with few elements present. The SDD is better when you need to analyse more complex coatings structures and when you need to measure very thin coatings (<0.05  $\mu\text{m}$ ).

The X-Strata920 is a great tool when you need to ensure target specifications are met while reducing costs by avoiding excess chemical usage from over-plating and reducing scrap and re-work from under-plating. Simple to use, the operator loads the samples and positions it under the on-screen target, aligns it using the laser focus and starts the measurement. Results are displayed in seconds and the operator can then quickly move on to the next task. This means you can be sure you are maximising productivity in your operation. With traceable standards and optimised calibrations you can have confidence that your results will be accurate every time.

Use the X-Strata920 to conform to industry norms such as IPC-4552A, ISO 3497, ASTM B568 and DIN 50987.

Become an expert user in only minutes with intuitive, powerful SmartLink software, designed to simplify routine analysis for any operator.



# 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.
- | **Preventive 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

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

To find out more about our coatings solutions, visit [www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)

# Other products

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

- | **Micro spot XRF:** for precise analysis of the smallest samples and features.
- | **Handheld XRF:** for portable coatings analysis of parts too large or heavy to fit in a benchtop system.
- | **Electromagnetic gauges:** for rapid thickness measurement of PCB copper, paint, anodising, electroplating and galvanising.

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Part number: 6300000126

 Science for a better tomorrow



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