

LAB-X 5000

HITACHI
Inspire the Next

Silicone coatweight analysis you can rely on



RELEASE LINERS

The best choice for silicone coating analysis

The LAB-X5000 is ideal for paper and film producers wanting cost-effective quality assurance for release liners, double-sided film and more.

At its heart is a high-resolution X-ray fluorescence detector, developed by Hitachi High-Tech for precise and repeatable results in laboratory and production environments. However, it is the LAB-X5000's design that really drives its efficiency. Sample preparation and testing processes are intuitive, requiring minimal operator training. And the LAB-X's technology enables high testing throughput, allowing adjustments to your process to be made quickly, saving you money.

The instrument's settings can be fine-tuned to ensure the perfect silicone coatweight is achieved without waste of expensive material. Your customers get quality products time after time, while you benefit from improved efficiency.





Accurate silicone coatweight, first time, every time



EASE OF USE

Samples are easily prepared using a disc cutter, and little training is required – just load the sample and press the button.



SPEED

Initial analysis appears within seconds with results displayed on the touch screen. Measurement takes less than one minute.



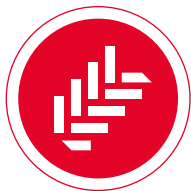
ACCURACY

The LAB-X5000 includes pre-set parameters for the precise measurement of silicone, and it autocorrects for any interference caused by clay in the paper.



COST EFFICIENCY

The machine is built to offer very low cost of ownership. In addition, built-in atmospheric compensation means you don't need to purchase and store helium, reducing your cost per analysis.



DURABILITY

Our product testers have put the LAB-X5000 through a rigorous array of drop, vibration and chemical tests. Built to last, it's tough enough for use in both laboratories and harsh production facilities.



RELIABLE

For decades, paper and film companies have trusted LAB-X benchtop analysers to provide consistent productivity, to ensure the quality of their high performance products, and satisfied customers.

Powerful and flexible

The versatile range of features included in the LAB-X5000 make it ideal for both lab and production environments.

Features

One touch measurement	Inspired by our point-and-shoot handheld analysers, with the LAB-X5000 you can simply load your sample, press START and analysis begins.
Intuitive interface	With no complex menus to wade through, the time between preparing the sample and receiving results is minimal, thus helping to increase productivity.
Large touch screen	The 7-inch industrial grade touch screen is durable and clearly displays results and options for refining your testing method.
Sample spinner	Compensates for potential sample coating heterogeneity to deliver repeatable results.
Data storage	Store up to 100,000 results and spectra locally on the LAB-X5000.
Cloud-based service	Export results safely and conveniently via WiFi and manage your analysis programme using our cloud-based service.
Built-in printer (optional)	The LAB-X5000 built-in printer creates hard copy reports automatically or on-demand.
SmartCheck	Customise pass and fail criteria to streamline complex testing processes.
Element range	Na to U (depends on application)

For decades, the LAB-X has been trusted by the silicone industry for its reliability, ease of use, stability and ruggedness.

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 provide peace of mind and avoid unplanned costs.



Repair and maintenance

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

MORE INFORMATION

To find out more about our XRF solutions, visit www.hitachi-hightech.com/hha



Other products

With over 40 years experience developing XRF analysers, we offer a range of related products, including:

- | **X-Supreme8000:** an XRF benchtop analyser which boosts testing efficiency, quality assurance and process control, and offers a multiple sample tray for increased operator productivity.

Browse our full range of products online at www.hitachi-hightech.com/hha

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Science for
a better tomorrow