

## Over 25 years of XRF coating thickness history

## MAXXI 6

High performance, non-destructive coating thickness & materials analysis

Over 1,000 applications tested!

Where every mil or micron counts, depend on Oxford Instruments to provide the right solution for your application.

### OiService

Our global network of service hubs provides a full range of technical support:

- Telephone help-desk
- On-line diagnostic
- Rental instrument
- Maintenance
- Training
- Extended warranty
- Consumables and accessories
- Repair service

Please ask about details of our comprehensive range of products or visit our website at:

[www.oxford-instruments.com/ia-customer-service](http://www.oxford-instruments.com/ia-customer-service)

Now with SmartLink software!  
The software trusted by thousands of Oxford Instruments coating thickness customers is now on our most advanced analyzer.

Typical applications	Microspot XRF MAXXI, Eco, X-Strata series	Handheld XRF X-MET8000 series	Eddy / mag CMI series
Zn / Fe, Cr / Fe	✓	✓	✓
ZnNi / Fe, SnZn / Fe	✓	✓	
Cr / Ni / Cu / ABS	✓		
NiP / Fe	✓	✓	
Zr, Ti, Cr pre-treatments at nm-scale		✓	
Multi-layer analysis	✓		
Large, heavy parts		✓	✓
Anodizing			✓
Paint on metals			✓

Let our team of experts help you select the right tool to test your coatings

Visit [www.oxford-instruments.com/maxxi6](http://www.oxford-instruments.com/maxxi6) for more information or contact [industrial@oxinst.com](mailto:industrial@oxinst.com)

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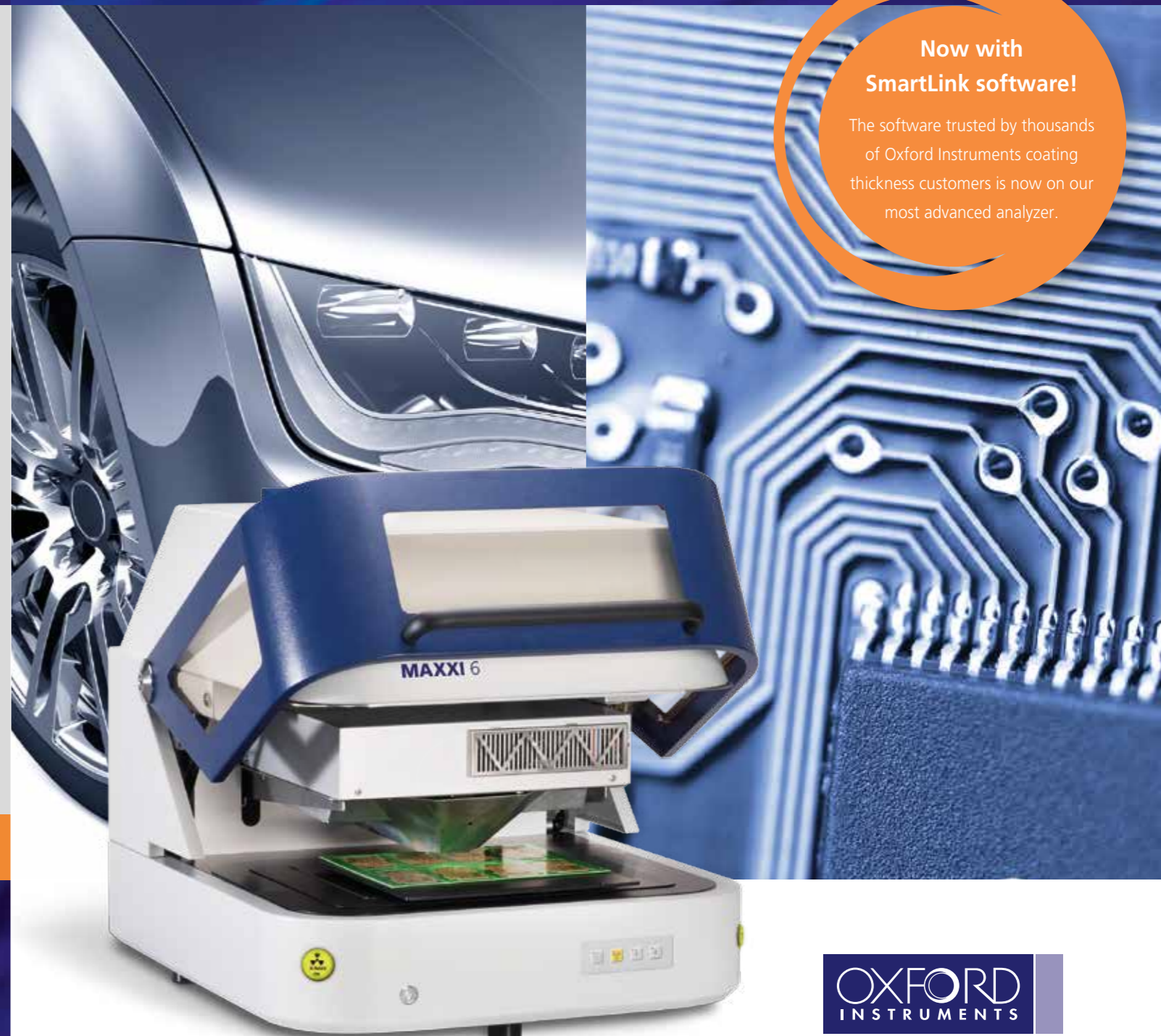
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The Business of Science®



The Business of Science®



Test at incoming inspection, at the line and final QC

Where every mil or micron counts

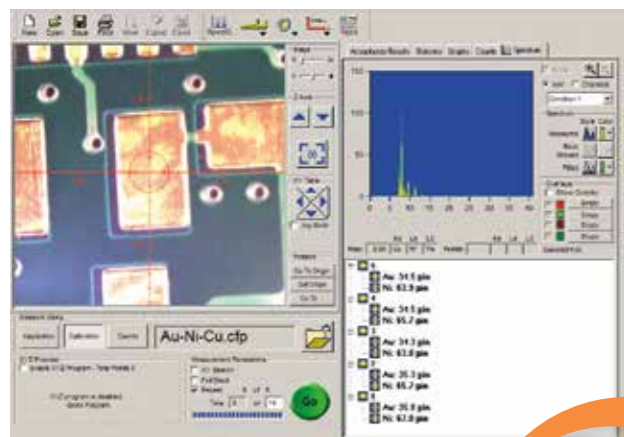
The right solution for your applications

High performance analyzer purpose built to meet your needs



### The ultimate in versatility

- Non-destructive analysis of up to 4 layers
- Measure features as small as 0.05 mm
- Analyze large parts in the oversized chamber
- Position large circuit boards with the slot-loading door
- Automatically analyze multiple samples or points on a single piece with the programmable X-Y stage
- Export results to spreadsheet and word processing software



Coating thickness measurement, based on X-ray fluorescence (XRF), is a widely accepted and industry-proven analytical technique, offering:

- simple operation
- fast and non-destructive analysis
- ability to analyse solids or liquids
- cover a wide element range from  $^{13}\text{Al}$  to  $^{92}\text{U}$

With superior resolution and high efficiency SDD, the **MAXXI 6** is the ideal instrument for measuring the thinnest coatings and trace level element composition.

SmartLink makes it easy for you to get the best results!

### Electronics

- Precisely control expensive nm-scale coatings
- Meet industry norms including:
  - IPC 4556
  - IEC 62321
- Measure PCB, FPC, BGA
- Test connectors, lead frames and component

- ENIPIG
- NiP
- SAC
- RoHS



### Metal finishing

- Directly measure %P in electroless nickel coatings
- Verify thickness and composition of ZnNi plating
- Control PVD/CVD coatings
- Monitor passivation coatings
- Conform to ISO 3497, ASTM B568, DIN 50987

- Cr
- TiN
- WC
- Zr



Featuring high resolution SDD technology, the MAXXI 6 can analyze the most challenging applications

