



# M2 BLIZZARD

## ● Slotted Tabletop Micro-XRF Spectrometer

Bruker's M2 BLIZZARD is a Micro-X-ray fluorescence spectrometer for the non-destructive analysis of material compositions and multi-layer coating thickness, in accordance with ASTM B568 and DIN/ISO 3497. The slotted instrument design is ideal for flat and oversized samples, i.e. large printed circuit boards. The instrument is controlled by the state-of-the-art XSpect Pro software.

### A perfect solution for PCB analysis

Key features:

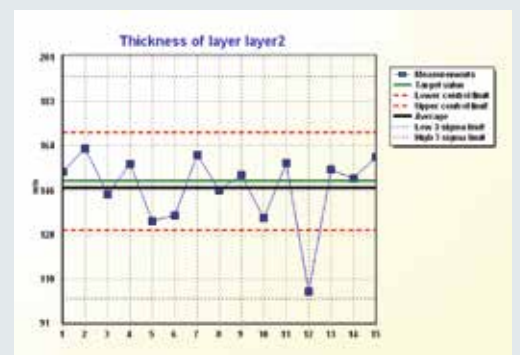
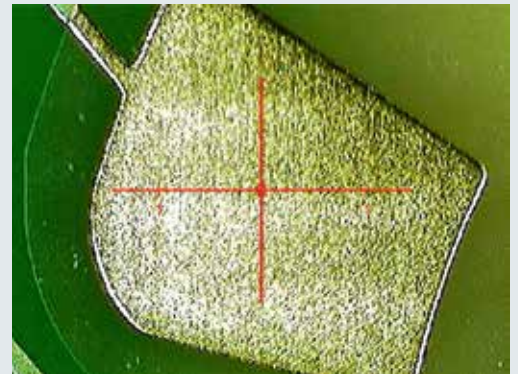
- Slotted configuration with extendable "super-sized" sample stage
- Slot gap 20 mm
- Large and highly durable sample tray for sample positioning
- New XSpect Pro software
- New XData software for method and reference standards management
- Configurable measurement user interface and results display
- Spectra auto save for post-measurement results reprocessing and archiving
- User-defined tolerance for easy PASS/FAIL determination
- "Peak-Finder" for qualitative analysis of unknowns
- Standard measurement report included
- Optional, industrial-strength foot-switch for measurement START/STOP
- Optional, fully configurable SPC features for your process
- Clean and simple instrument to PC interface – one single USB cable.

## Technical Data

| Parameter              | Specifications   |
|------------------------|--|
| Excitation             | Micro-focus, high performance with side window, W-target   |
| High voltage           | 50 kV, 50 W  |
| Detector               | Peltier cooled high performance XFlash® silicon drift detector, 30 mm <sup>2</sup> active area, < 150 eV energy resolution at Mn-K $\alpha$      |
| Spot size              | Fixed collimator, choice of 0.1 to 1.5 mm diameter<br>Optionally: collimator changer with 4 positions<br>Other collimators, e.g. slit on request |
| Sample view            | Color CCTV high resolution camera system, magnification ~ 30 x   |
| Sample stage           | Manual with plastic sample tray<br>Motorized Z-stage with auto focus for measurement head, 30 mm travel  |
| Quantification         | Bulk analysis: standard-based empirical and standard-less or standard-supported FP-based models<br>Coatings / layer systems: FP-based model      |
| Power supply           | 110/230 VAC, 50/60 Hz, max. 150 W  |
| Dimensions (W x D x H) | 1055 mm x 680 mm x 430 mm  |
| Weight                 | 75 kg  |

Analysis performed according to ASTM B568 and DIN/ISO 3497 standards.

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● **Bruker Nano GmbH**  
 Berlin · Germany  
 Phone +49 (30) 670990-0  
 Fax +49 (30) 670990-30  
 info.bna@bruker.com

**Bruker Singapore Pte. Ltd.**  
 The Helios · Singapore  
 Phone +65 (6500) 7288  
 Fax +65 (6500) 7289  
 info.bna.sg@bruker.com

[www.bruker.com/m2blizzard](http://www.bruker.com/m2blizzard)

