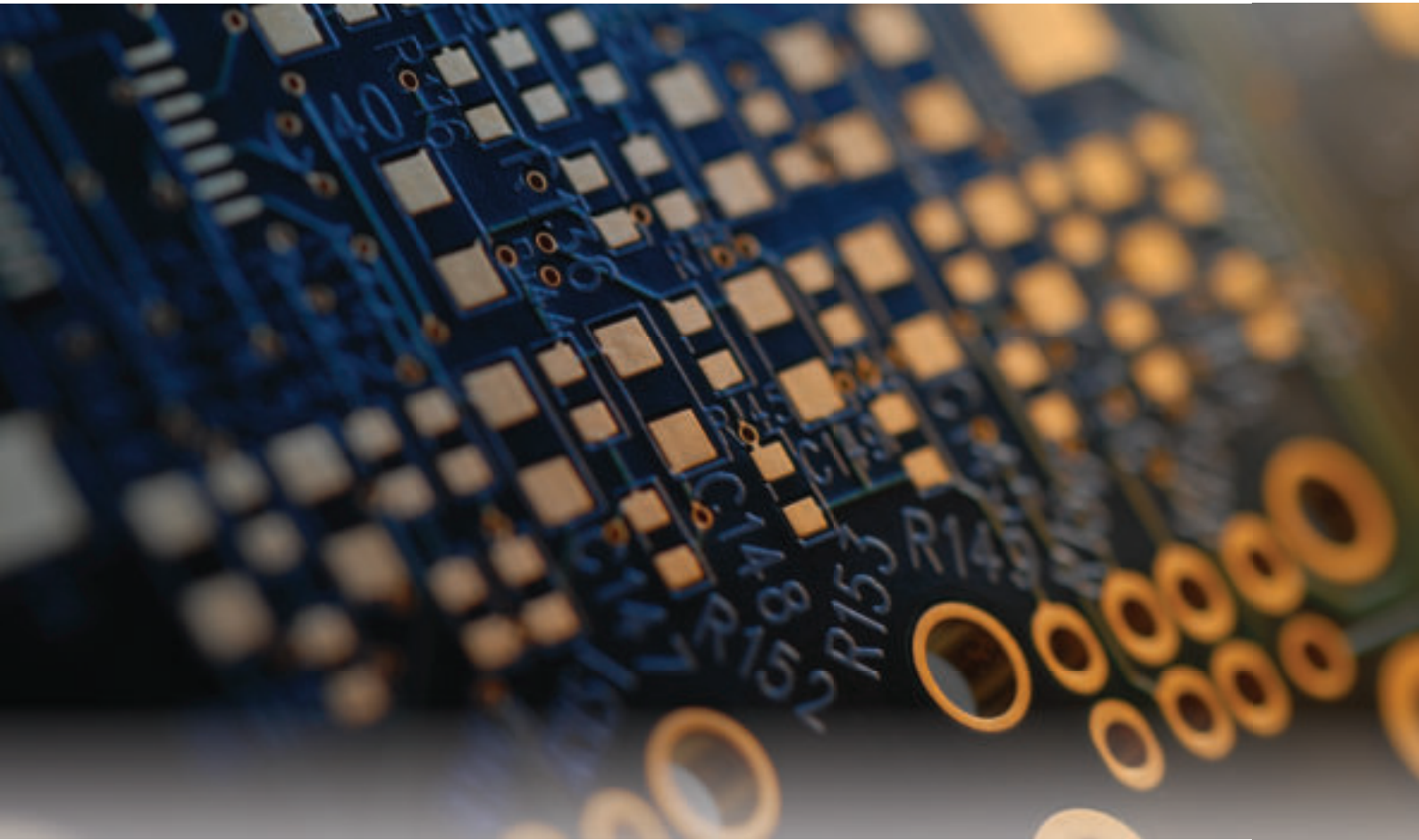


FISCHER PCB Measuring Systems



PCB Testing: All from one Source

FISCHER is your partner for the quality assurance of your Printed Circuit Boards. An extensive product assortment is available for thickness measurement and for the analysis of all coatings used in practical applications. Even complex multi-layer- and alloy coating systems can be tested easily, quickly and accurately using the state-of-the-art FISCHER instruments.

FISCHER provides you with a wide range of testing methods, ranging from the X-RAY fluorescence method to several electromagnetic methods and to the instrumented indentation testing method.

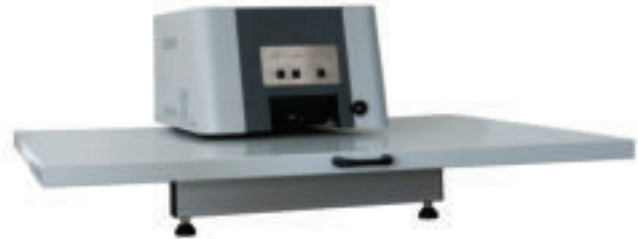
FISCHERSCOPE® XUL® PCB



Features

- Robust entry-level instrument with a fixed aperture and one fixed filter, micro-focus X-ray tube and proportional counter tube as X-ray detector
- The gap in the housing and the large, fixed sample stage allows for measurements on large PCB multi-panels up to 530 x 610 mm
- **Large sample stage** 800 x 630 mm expandable to 1200 x 630 mm to support flexible PCB
- Measuring direction bottom up, this allows for quick and easy sample positioning.

FISCHERSCOPE® XDL PCB 200



FISCHERSCOPE® XDL PCB 210



Features

- Robust entry-level instrument with a fixed aperture and one fixed filter, micro-focus X-ray tube and proportional counter tube as X-ray detector
- The gap in the housing and the large, fixed and extendible sample stage allows for measurements on large PCB multi-panels up to 530 x 610 mm
- **FISCHERSCOPE® XDL PCB 200:** A laser pointer combined with a drawer function serves as a positioning aid.
- **FISCHERSCOPE® XDL PCB 210:** programmable, motor-driven X/Y table, maximum travel 450 x 300 mm

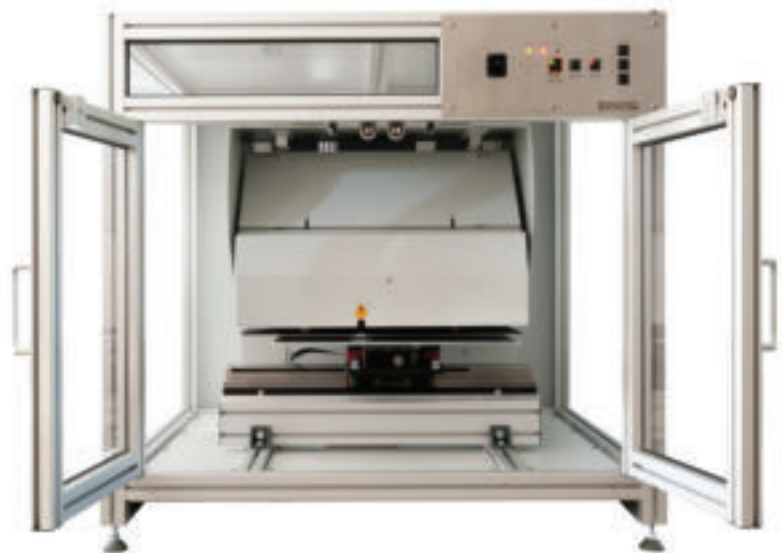
FISCHERSCOPE® XDV®-μ Large Sample Stage



Features

- Equipped with polycapillary X-ray optics for measurements on very small components
- Measurement spot approx. \varnothing 20 μ m (0.8 mils) fwhm at Mo-K α
- Very high intensities and thus good precision even for thin coatings, measurement uncertainty < 1 nm possible
- **Maximum travel 250 x 250 mm**
- Large sample stage 620 x 530 mm to support flexible PCB

FISCHERSCOPE® XDV®-μ Modular Chamber



Features

- Modular solution allowing measurement on large PCB multi-panels up to 530 x 610 mm
- Equipped with a polycapillary X-ray optics for measurements on very small components
- Measurement spot approx. \varnothing 20 μ m (0.8 mils) fwhm at Mo-K α
- Very high intensities and thus good precision even for thin coatings, measurement uncertainty < 1 nm possible
- **Maximum travel 350 x 450 mm**
- Sample stage 470 x 370 mm (Optional: 620 x 530 mm)

Other PCB Measuring Systems



◀ SR-SCOPE® RMP30-S or FISCHERSCOPE® MMS® PC2: Determination of copper coating thickness on multi-layers or thin laminates without any influence from the copper coating on the opposite side.



▲ FISCHERSCOPE® MMS® PC2: Determination of the thickness of copper and solder resist coatings on non-etched or etched PC boards and determination of copper coating thickness in bore holes.



◀ PICODENTOR® HM500: Determination of microhardness of gold-plated plug contacts on PC boards.



▲ COULOSCOPE® CMS: Determination of the remaining tin thickness on electroless tin-plated PC boards.



▲ PHASCOPE® PMP10: Determination of copper coating thickness on non-etched or etched PC boards and determination of copper coating thickness in bore holes.

02-12



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