XRF PLATING THICKNESS INSTRUMENT
CODE XRF-PT230

VIDEO

MANUAL ZOOM



- According to DIN ISO 3497, DIN 50987, and ASTM B568
- Application fields: electroplating plating thickness analysis, inspection of electronic components such as connectors, fastener industry, automotive parts, hardware industry (household equipment and accessories, such as Cr/Ni/CuZn(ABS)), new energy industry (photovoltaic welding wire, etc.), thickness analysis of accessories, Ni/Cu/Ni/NdFeB on rubidium iron boron magnets, metal cation detection in electroplating solution, etc.
- It can detect 90 plating elements
- Equipped with a micro-focus X-ray generator and an advanced light path conversion focusing system, the minimum measurable area is up to 0.03mm²
- It has non-destructive manual zoom detection technology, which can perform non-destructive testing on various shaped and irregular grooved parts from 0 to 30mm
- Equipped with Si-PIN semiconductor detector, high resolution, fast testing speed,stable data, equipped with micro-light focusing technology, ranging spot diffusion less than 10%
- The core EFP algorithm allows for the simultaneous analysis of 23 plating and 24 elements. It can quickly, accurately, and stably analyze multiple layers and multiple elements, including the same element in different layers
- User-friendly closed software, automatically identifies faults, provides calibration and operation steps, and avoids misoperations

SPECIFICATION

Plating analysis	elemental analysis range	Li(3)-U(92)
	detection limit	0.005μm
	analysis thickness	0.01-80μm
EFP alaorithm		standard configuration
Measuring time		5~300s
Detector		Si-PIN semiconductor detector
X-ray source		micro-focusing X-ray tube
Collimator		standard: Ø0.3mm (optional: Ø0.5mm, Ø0.2mm, 0.1×0.3mm)
Nearest ranging spot diffusion		<10%
Camera		1/2.7" color CCD, zoom function
Measuring distance		zoom lens 0~30mm
Focus method		high-sensitivity lens, manual focus
Max. sample height		180mm
XY stage		manual high-precision XY stage
Available moving range		45mm×45mm
Operation environment		15~30°C, <70%RH
Power supply		AC110/220V, 50/60Hz, 95W
Dimension (L×W×H)		380×545×435mm
Weight		41kg

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Printer	1 pc
Accessory box	1 pc
Twelve element plate	1 set
Ni standard tablet	1 pc
Ag standard tablet	1 pc

OPTIONAL ACCESSORY

Plating solution measuring cup	XRF-PT230-MC
Solution test membrane	XRF-PT230-SF
Au standard tablet	MSS-P01
Cr standard tablet	MSS-P02
Cu standard tablet	MSS-P03
Zn standard tablet	MSS-P04