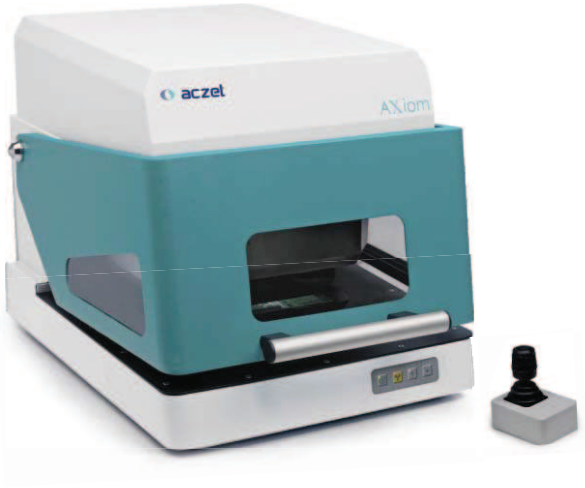
Axiom



aczel
Solution Simplified
...Since 1986

Specifications :

X-Ray Source	
X-ray tube	High performing, stable with long life tungsten tube. Spot size approx. 0. 5 x 0.5 mm to assure minimal beam spread
High voltage	50 kV, 1.2mA (60 Watt) high voltage generator, software controlled.
Collimator	Single Collimator 0.3mmØ (optional sizes : 0.1mm, 0.2mm, 0.5mm, 0.7mm)
Detector	Proportional Counter, Si-Pin & SDD
Colour Video microsocpe	High-resolution CCD color camera for optical monitoring of the measurement location with 20X zoom. Electronic cross hair with scale and beam size indication.
Software	User Friendly, Coating- thickness analysing and operating programms. Results and statistic data can be stored in a data file. There are Three separate modules as follows 1. Evaluation module for coating thickness and composition analysis. 2. Software module for fast and simple qualitative analysis. Up to 20 elements can be identified simultaneously. 3. To generate thickness applications without standards using the Fundamental Parameter calculation method.
Sample Focus	Motorised moving head z axis
Optional Enhancement	
Laserpointer	Laser emits through the collimator traversing the XRAY path indicating the target spot on the sample very precisely only with collimator >0.3mm
Micro focus X-ray tube	X-ray tube with tungsten target, Be window, stability and longer life, spot 85 x 85µ. Oil insulated, air cooled, radiation safe tube shielding. Single collimator 0.1 mm Ø
Multi Collimator	Collimator changer, 6 positions motorised, automatic 0.1mmØ / 0.2mmØ / 0.3mmØ / 0.5mmØ / 0.05 x 0.05mm / 0.05 x 0.25mm
Sample Stage	Motorised programmable X, Y
Electrical Data	
Power Supply	AC 110V or AC 230V, 50 - 60HZ
Power Consumption	200VA
Usable sample area	400 x 420 mm
Internal Chamber Dimension	500 x 489 x 172.5 mm (W x D x H)
External Dimension (W x D x H)	500 x 652 x 500 mm