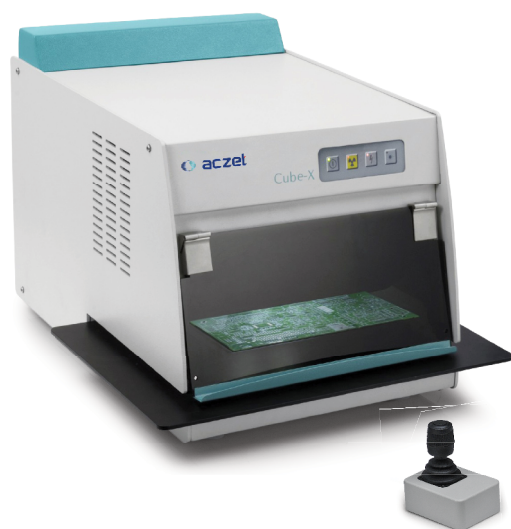
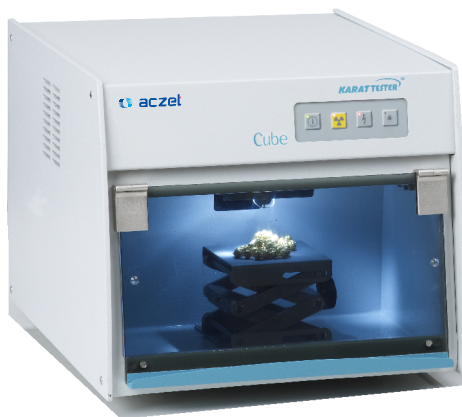


# Cube /Cube-X



## 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 : 0.1 mm, 0.2mm, 0.5mm, 0.7mm)

#### Detector

Proportional Counter, Si-Pin & SDD

#### Colour Video microscope

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 programmes.  
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

Manual Stage Z axis

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

### Electrical Data

#### Power Supply

AC 110V or AC 230V, 50 - 60HZ

#### Power Consumption

200VA

#### Usable sample area

100 x 100 mm

450 x 350 mm

#### Internal Chamber Dimension

330 x 220 x 170 mm ( L x W x H)

337 x 248 x 100 mm (W x D x H)

#### External Dimension (W x D x H)

350 x 450 x 310 mm ( L x W x H)

350 x 530 x 320 mm