

TECHNICAL SPECIFICATIONS

HITACHI
Inspire the Next

X-STRATA920

Element range:

- Aluminum¹³ to Uranium⁹².

Number of layers and elements:

- 4 layers + base.
- Thickness range (total layer): 30 μ m.
- Composition analysis of up to 25 elements simultaneously.

X-ray excitation:

- 50 W (50 kV and 1.0 mA) micro-focused tungsten anode tube.

X-ray detector:

- Silicon Drift Detector.

Collimators:

- Single or multiple collimator (up to 6 collimators).
- Various sizes from a selection of round, square and rectangular shapes; smallest available: 1 x 2 mil (0.025 x 0.051 mm); largest available: 20 mil round (0.508 mm).

Digital pulse processing:

- 4096-channel digital multi-channel analyser.
- Automatic signal processing including dead time correction and pulse pile up rejection.

Software:

- Hitachi SmartLink FP.
- Languages: English, Chinese (traditional and simplified), French, German, Spanish, Japanese, Korean, Italian, Czech and Russian.

Computer:

- (Will be equivalent or better).
- CPU: Intel Core 2 Duo E7500 2.93 GHz.
- 500 Gb Hard disk, 2 Gb RAM.
- DVDRW.
- Microsoft™ Windows operating system.



Power supply:

- 85-130 or 215-265 volts, with frequency range of 47 Hz to 63 Hz.

Working environment:

- 10°C (50°F) to 40°C (104°F) and up to 98% relative humidity, non-condensing.

Configurations available:

- Standard base (for parts/components up to 33 mm / 1.3" in height).
- Mini-well base (for parts/components up to 160 mm / 6.3" in height).
- XY programmable table; Table travel: 178 mm x 178 mm (7" x 7").
- Z travel on all configurations: 43 mm (1.7").
- Slotted chamber on all configurations.

Dimensions:

- (Without PC and monitor): W x L x H.
- Standard fixed base: 407 x 770 x 305 mm (16 x 30.3 x 12").
- Mini-well base: 407 x 770 x 400 mm (16 x 30.3 x 15.7").
- XY motorised base: 610 x 1037 x 375 mm (24 x 40.8 x 14.8").

Weight:

- (Without PC and monitor): 97 kg.