

## TECHNICAL SPECIFICATIONS

**HITACHI**  
Inspire the Next

# X-STRATA920

### Element range:

- Titanium<sup>22</sup> to Uranium<sup>92</sup>.

### Number of layers and elements:

- 4 layers + base.
- 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:

- Xenon-filled proportional counter.

### 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).

### Secondary beam filters:

- Up to 3 filters for X-ray line overlap corrections (Vanadium, Cobalt and Nickel).

### Digital pulse processing:

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

### Software:

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

### Computer:

- (Will be equivalent or better).
- CPU: Intel Core 3 3.7 GHz.
- 500 Gb Hard disk, 4 GB RAM.
- DVD RW.
- Microsoft™ Windows 10 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 up to 33 mm / 1.3" in height).
- Wide standard base (for parts to 33 mm / 1.3" in height). Fixed table size: 560 x 610 mm (22" x 24").
- Mini-well base (for parts 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 base: 407 x 770 x 305 mm (16 x 30.3 x 12").
- Wide standard base: 610 x 1037 x 305 mm (24 x 40.8 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.