

X-ray Analytical Microscope

SDD configuration opens up new possibilities

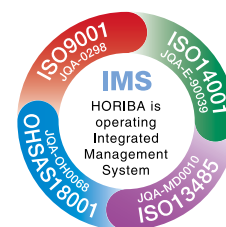
SDD
XGT-7200



- High speed, high accuracy element mapping
- High energy resolution - high count rate
10x increase in count rate (compared with conventional XGT-7000V)
- Analysis of solid, liquid, powder and hydroscopic samples
- Versatility: analysis area ranging from $\phi 10\mu\text{m}$ to 100mm^2 mapping
- Liquid nitrogen (LN2) free

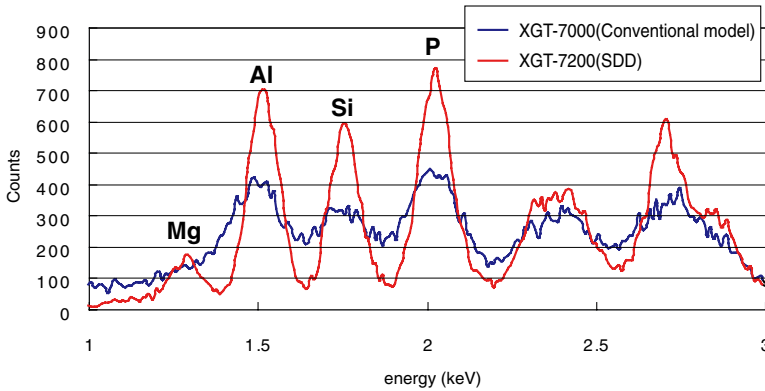
Functionality

- Simultaneous X-ray fluorescence and X-ray transmission imaging
- Dual vacuum chamber (either full vacuum or atmospheric pressure analysis)
- The world's smallest probe size: $\phi 10\mu\text{m}$
- Hyperspectral mapping, multipoint analysis (Max 1000 points), and multi-mapping functions are available
- Easy operation and easy maintenance

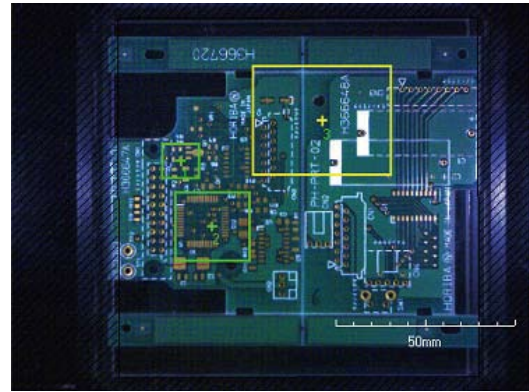


Benefit of SDD

- Increased sensitivity for light elements (when compared with conventional system running at same count rate and pulse process time)



Multimapping analysis

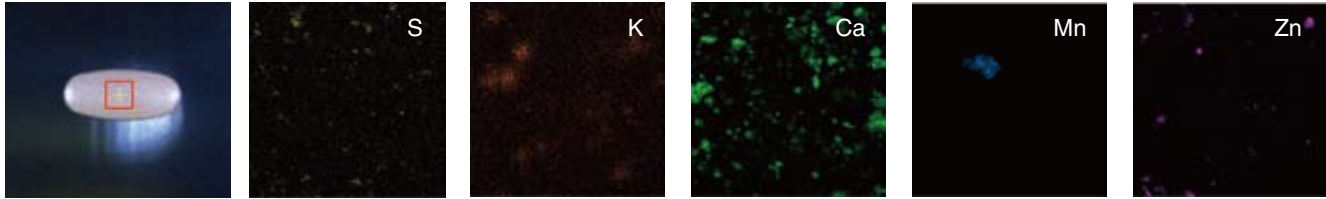


- Conduct mapping analysis in multiple user defined regions. The result is maximum results with minimum user intervention.

Example of mapping analysis (Analysis of a tablet)

Mapping area : 5.12mm

Optical image



Specification

Measurement principle	Energy dispersive X-ray fluorescence
X-ray beam diameter	Select from $\phi 10\mu\text{m}$, $50\mu\text{m}$, $100\mu\text{m}$, $400\mu\text{m}$, 1.2mm
Detectable elements	Na-U
Sample chamber atmosphere	Open air/Vacuum Switchable
Chamber size	$450(\text{W}) \times 500(\text{D}) \times 80(\text{H}) \text{ mm}$

HORIBA continues contributing to the preservation of the global environment through analysis and measuring technology.



Please read the operation manual before using this product to assure safe and proper handling of the product.

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