

X-ray Analytical Microscope

## SDD configuration opens up new possibilities

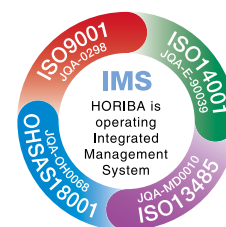
SDD  
XGT-7200



- 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  $100\text{mm}^2$  mapping
- Liquid nitrogen (LN2) free

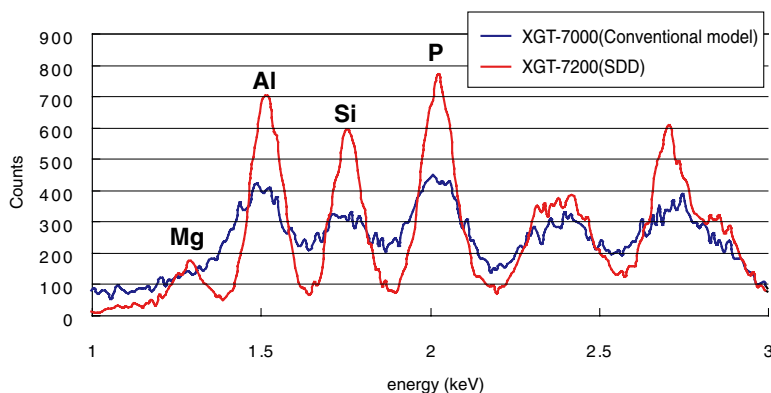
### Functionality

- 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

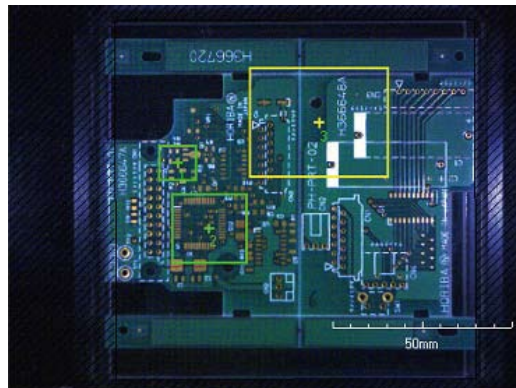


## Benefit of SDD

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



## Multimapping analysis

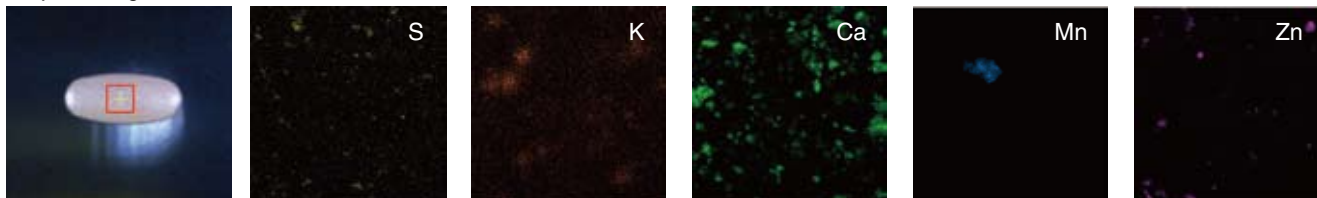


- Conduct mapping analysis in multiple user defined regions. The result is maximum results with minimum user intervention.

## 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 $\phi 10\mu\text{m}$ , $100\mu\text{m}$ , $1.2\text{mm}$
Detectable elements	Na-U
Sample chamber atmosphere	Open air/Vacuum Switchable
Chamber size	450(W) $\times$ 500(D) $\times$ 80(H) mm

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