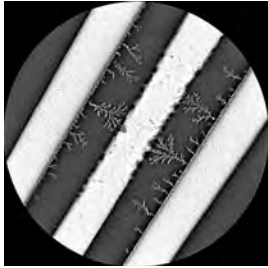
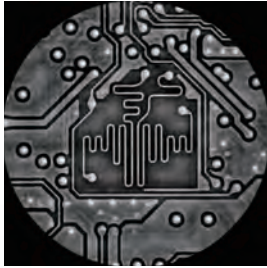
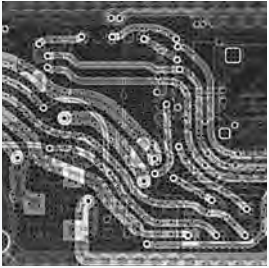
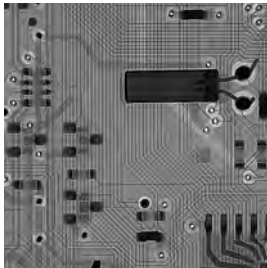
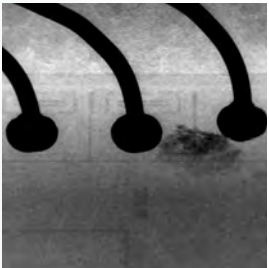


High resolution/Wide field model			High power model		
Products					
Model	XVA-160a II "Z"	XVA-160RZ	EVA-160	XVA-160RCE	SI-300
Tube voltage (kV)	20~160				20~300
Detector	Flat panel detector				
Main unit dimensions (mm) W×D×H *Excluding protrusions	1,400×1,850×2,030	1,180×1,520×1,690	1,800×1,740×1,620	1,450×1,850×1,740	2,450×1,460×1,730
Stage size (mm)	490×490	430×460	660×670	430×460	200(φ)
Stroke (mm)	310×310		350×350	310×310	200×200
Stage rotation angle	-10°~370°	±190°			360° (continuous rotating)
Camera tilt angle	0~60°		0~70°	0~60°	—

Filming Examples



Caution

- Please read the "Instruction Manual" and accompanying documents carefully before use and use the product correctly.
- Please use this product in accordance with the Regulations for Prevention of Ionizing Radiation Hazards.
- Beware of similar products.



Japan
Inspection Instruments
Manufacturers'
Association

U.H.SYSTEM CORPORATION is a
member of a member of JIMA

(Japan Inspection Instruments Manufacturers' Association)



XVA-160α II "Z"



XVA-160RZ



EVA-160



XVA-160RCE

Beyond the front line to a New Stage !

As we are a specialized manufacturer of X-ray analyzers, U.H. SYSTEM has developed the world's first "3D oblique CT" technology for analyzing the inside of mounting boards.

UH System has developed the world's first "3D oblique CT" technology for analysis of the inside of mounted boards. The unique function of rotation of the center of interest enables the "microscopic eye" and the "nano eye" to observe the focused point from a 360-degree angle and take high-magnification CT images. This technology is widely used for highly accurate nondestructive analysis of electronic components that are becoming smaller, denser, and more multilayered with higher functionality.

We will continue to provide world-leading X-ray analysis systems for electronic components, which are becoming even more miniaturized in the future.

High Resolution/Wide Field 3D X-ray CT System

Ultra-high magnification (2,000x) and nano-order focus size (250/800 nm) are realized in the Ultra high resolution model.

This is a standard model that allows you to choose between a high-resolution type and a wide-field type.

Combining a new platform and new image processing, this new model is smooth with a wide field of view and can handle large substrates.

XVA-160α II "Z"

Ultra-high resolution

XVA-160RZ

High resolution

Wide field

EVA-160

Wide field



> Standard Specifications

Flat panel detector
Eucentric function
High magnification(2,000x)
Focus size switching function(250/800 nm)
High-definition top table
Automatic adjustment of optical axis, center of rotation and focus

> Optional Features

3D oblique CT function
Orthogonal CT Unit : Presto
Visible light mapping function

> Standard Specifications

Flat panel detector
Eucentric function
High magnification(1,600x)
Visible light mapping function
Automatic focus adjustment function

> Optional Features

3D oblique CT function
Orthogonal CT Unit : Presto

> Standard Specifications

Flat panel detector
Eucentric function
Equipped with a large stage (500mm size supported)
Visible light mapping function
Automatic focus adjustment function

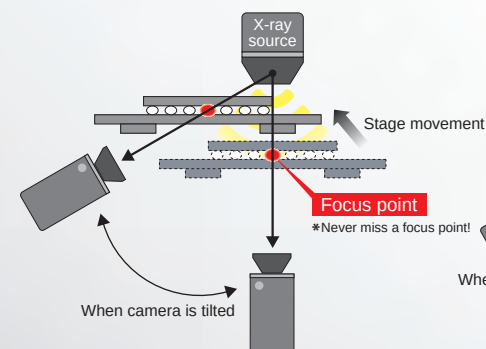
> Optional Features

3D oblique CT function
Orthogonal CT Unit : Presto

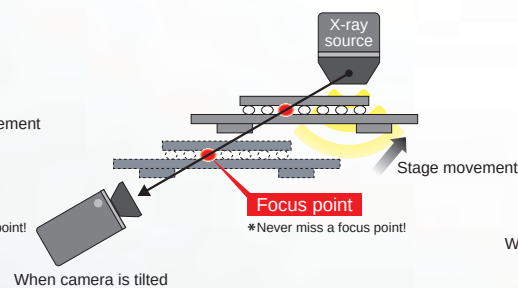
> Eucentric Functions

Unique technology keeps the sample centered even when the camera is tilted, magnified, or the stage is rotated.

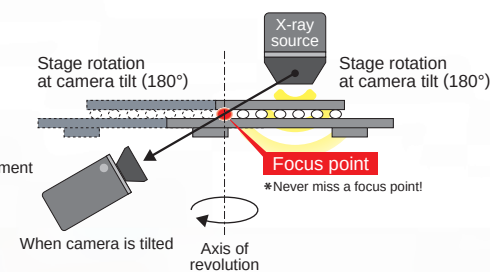
●When camera is tilted



●When camera is tilted & magnified



●Camera tilt & stage rotation

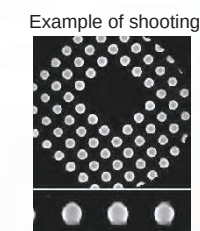
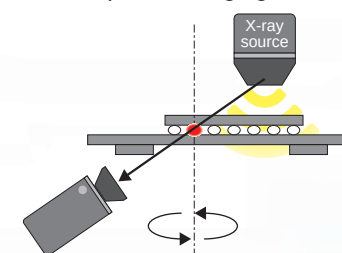


> CT Functions

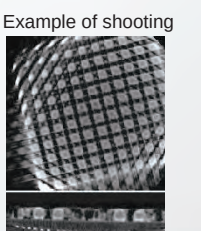
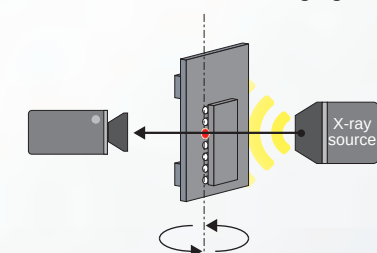
3D Oblique CT Function ~Enables tomographic imaging of even large substrates without destroying them~

Using the eucentric function, the scanner observes from an oblique direction and performs 3-dimensional tomographic imaging.

●3D oblique CT imaging



●General horizontal CT imaging



Orthogonal CT Function

●Orthogonal CT Unit : Presto ~Optimum for precise tomographic analysis of small parts~

By attaching a dedicated unit, it is possible to take orthogonal CT images with a CT scanner

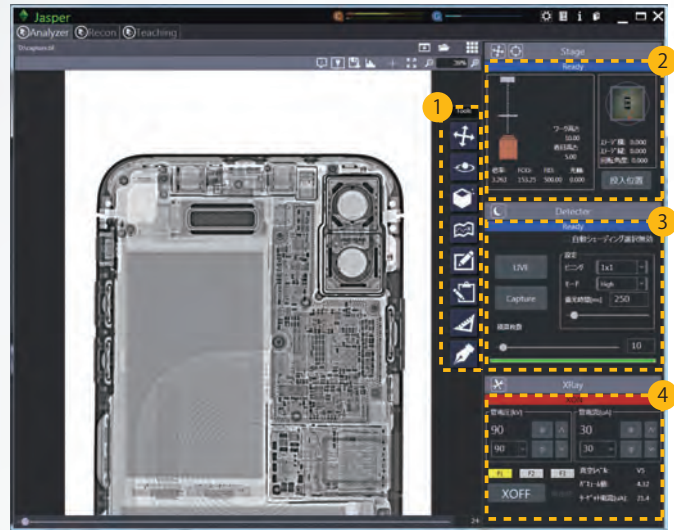
> Software

Multi-device control software (Jasper/Quartz) that meets diverse needs for intuitive operation and high speed. Analysis screen (Analyzer) and reconstruction screen (Recon) can be used within the same software.

Analysis screen (Analyzer)

~Various control and shooting~

- 1 Tools icon:
Access to mapping functions, teaching functions, measurement functions, comment entry functions, etc.
- 2 Stage controller:
Stage movements can be controlled and checked
- 3 Camera controller:
Camera can be configured
- 4 X-ray controller:
X-ray generator settings can be changed



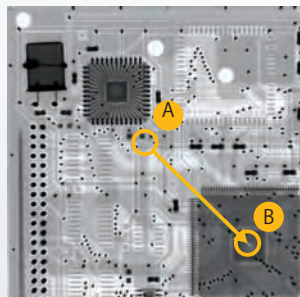
Visible light mapping function

Click on the visible light map to move to any location.



Mouse operation function

The intuitive UI allows intuitive operation using a mouse.

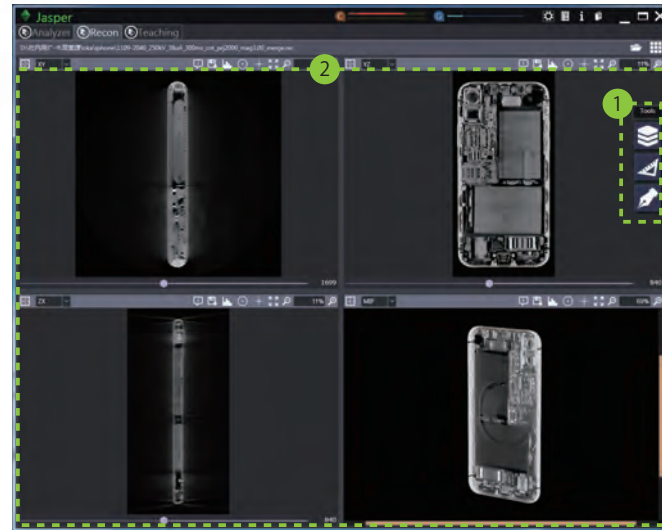


Easy to move the shooting position by dragging

Reconstruction screen (Recon)

~View and edit data from CT reconstruction process~

- 1 Tools icon:
Access to measurement and comment input functions
- 2 Tile display:
Multiple tomography displays can be viewed in one screen



X-ray mapping function

By connecting X-ray images of one field of view, it is possible to take a wide range of transmitted images.



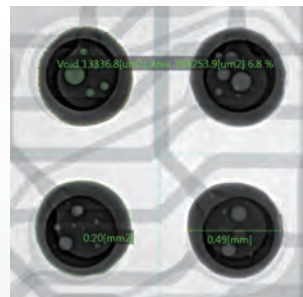
Teaching function

It is possible to register each of these at multiple points, such as transparency imaging and CT imaging, and to take images automatically. Coordinates can also be registered in conjunction with mapping.



Measuring function

Various dimensions, areas, and voids can be measured on transmission images and CT images.



High Resolution/Wide Field of View 3D X-ray CT System

In addition to a new design, it also has less installation space than previous models. (30% less than before)
New all-in-one model with deskless specifications that combines both transmissive and CT functions.

XVA-160RCE

> Standard Specifications

Flat panel detector
Eucentric function
High magnification (1,600x)
Visible light mapping function
Automatic focus adjustment function
CE standard compliant
Signal tower and UPS equipped

> Optional Features

3D oblique CT function
Orthogonal CT Unit : Presto



High Power Microfocus 3D X-ray CT System

It is a wide-range model that can be observed from electronic devices that are increasingly miniaturized to large samples such as large aluminum die-cast products and composite materials such as GFRP and CFRTP.

Orthogonal CT dedicated machine

Si-300

> Standard Specifications

Flat panel detector
Multiscan
Offset scan
Helical scan
Automatic focus adjustment function

> Optional features

Collimator

