



Non-Destructive Industrial 3D CT Scanner

NAOMi-CT

Manufacturer's direct, "one" price!
The size of microwave

\$29,500_{CT}

With the x-ray scanning technology used in RF's medical and dental CT scanner, which have seized the No.1 share in Japan, we have applied and developed it into the industrial **3D scanner** at most affordable price.

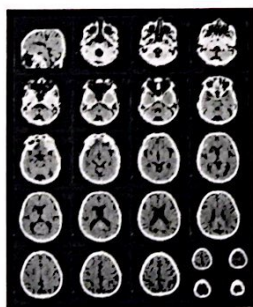
Dreams of every engineers have come true.

It enables to examine the object inside out in a 3D view without destroying it.

For the precious things you used to break for your inspection,

they do not need to be broken, disassembled or torn apart.

From various angles, everything is transparent., all things not seen from outside.



Reference : Head CT Tomography



No special qualification is required for this product.

With the RF's unique technology of the share No.1 medical CT scanner

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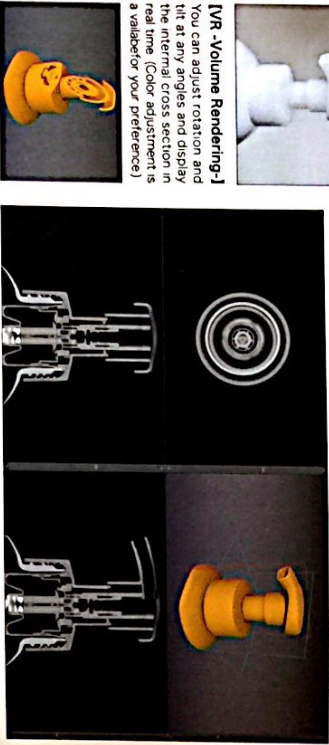
3D slices from any directions. All revealed from 360° angle.

Bottle (Resin)



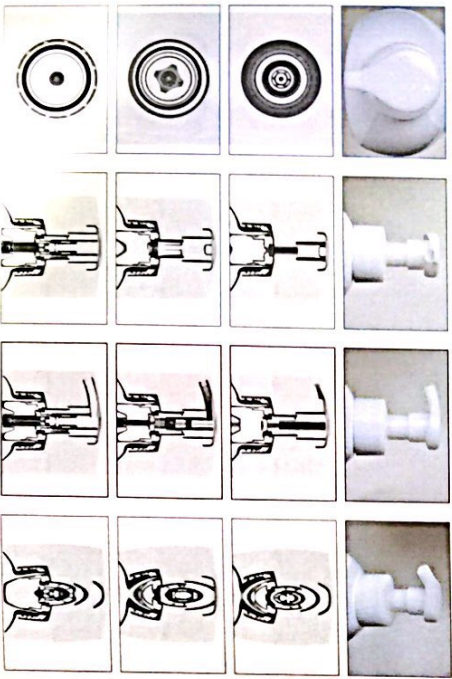
MPR - Multiplaner Reconstruction Rendering-1

It displays the preferable slices of the 3D image reconstructed by the x-ray scan. The 3-way slices enable you to grasp the details of the object.



VR - Volume Rendering-1

You can adjust rotation and tilt at any angles and display the internal cross section in real time. (Color adjustment is a value for your preference)



Single mouse operation allows you to observe slices in continuity. Contrast in the images displays the differences of materials. X-ray penetration rate is higher when the atomic number is smaller. (e.g., plastic (No.15), copper (No.29), silver (No.47), metal (No.79), lead (No.82), etc. We are developing a software to measure dimensions and draw the diagram automatically, based on the information from the 3D scan images.

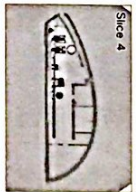
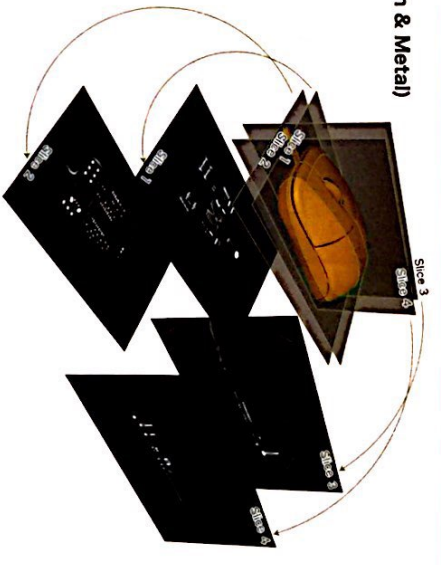
PC Mouse (Resin & Metal)



Perspective Image



VR Oblique Slice



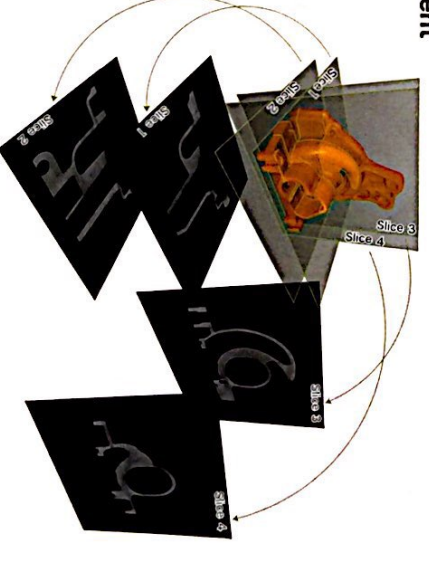
Engine Component (Aluminum)



Perspective Image



VR Oblique Slice

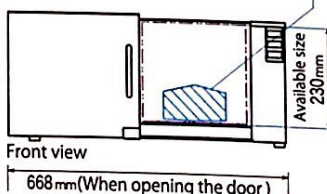
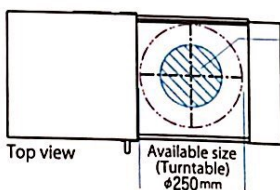
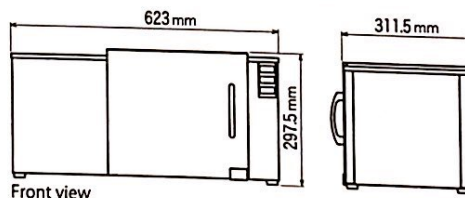
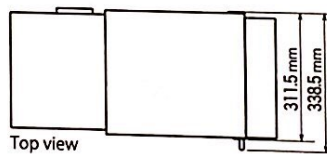
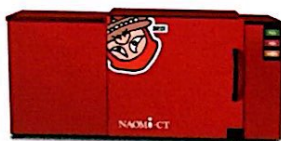


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NAOMI-CT The size of microwave

NAOMI-CT Specifications

Power source	Power source	AC 100-240V 50/60Hz
	Consumption power	1.0 kVA (Peak power during irradiation)
X-ray source	Tube voltage	50-100kV
	Tube current	2-10mA
	Max power output	500W
	High voltage generator	DC rectifier (Earlier ignition system)
	Cooling	Oil and air
	Focal spot size	0.5 mm
Detector (FPD)	Active imaging area	123 mm × 121 mm
	Pixel size	100 μm
	Pixels	1232 × 1216 pixel
	Grayscale	12bit
Image acquisition	Image acquisition size	Partial scan - W:Φ56mm H:37-41mm Pixel size:0.068mm Normal scan - W:Φ83mm H:72-82mm Pixel size:0.136mm Offset scan - W:Φ151mm H:63-82mm Pixel size:0.205mm * Max object size - Φ250 x H:230mm * Contact us for customization for bigger objects
	Resolution*	5 lp/mm 0.1mm
	Object examples	Resin molded products, plastics, rubber products, food, cosmetics, stationery, toys, biological and bones, aluminum (approx. φ50~60mm max).
Size	External dimensions	W623 mm × D338.5 mm × H297.5 mm *When opening the door W668mm



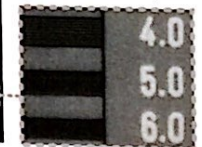
Shooting area (CT scan area)
 Partial scan - W:Φ56mm H:37-41mm
 Normal scan - W:Φ83mm H:72-82mm
 Offset scan - W:Φ151mm H:63-82mm

Notification of x-ray equipment installation
 It is required to report when and where you install an x-ray equipment to the local Labor Standards Inspection Office.*

Equipment	Interlock
X-ray leak dose rate	Under 1 μSv/h (No controlled area on the outside of the device)
X-ray work chief qualification	Unnecessary

* In case of Japan.

*Resolution SLP/mm (Line pair) Partial scan, when shooting with resolution priority.



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Description of Business
 Medical Field: Medical CT Scanner, Direct Digital Radiography Imaging Sensors, Medical Video Scopes
 Dental Field: Dental CT Scanner, Digital Radiography Sensor, Intraoral Cameras
 Industrial Field: NDT 3D CT Scanner, Digital Radiography NDT Systems, Industrial Video Borescopes
 Development of Capsule Endoscope and Disposable Video Endoscopes

THE NEXT GENERATION CAPSULE ENDOSCOPE

Sayaka



The first battery-free endoscopic capsule. 9mm in diameter, 23mm in length. Swallowed like a pill.

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