

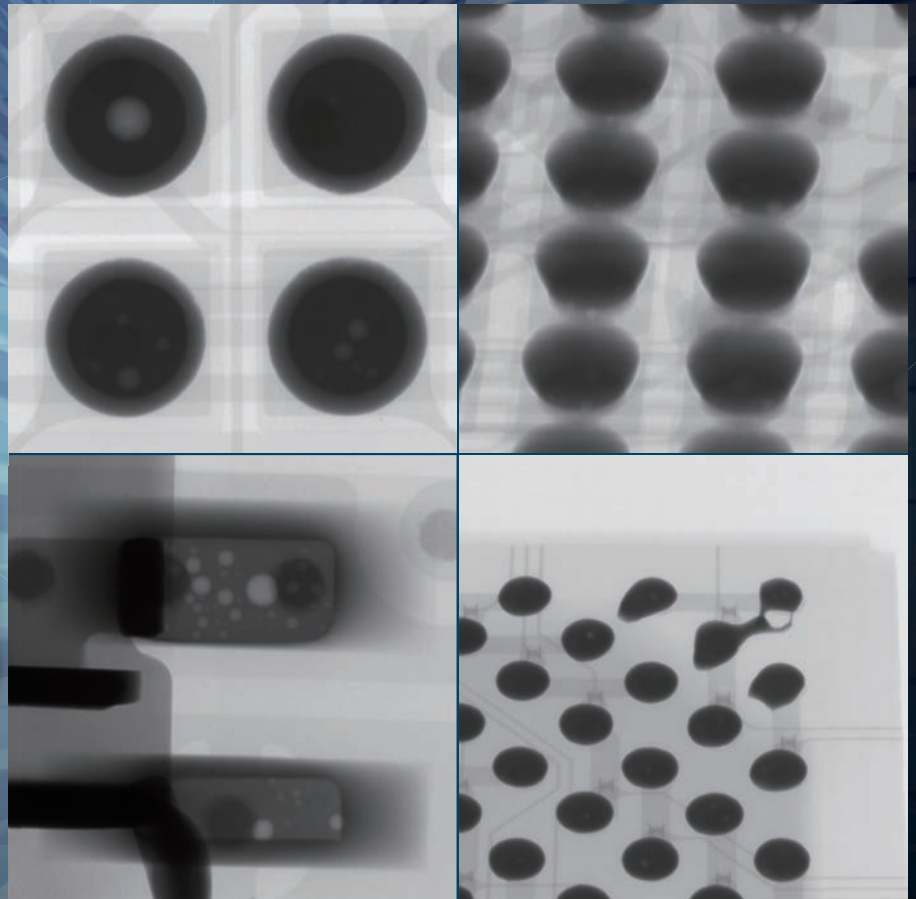
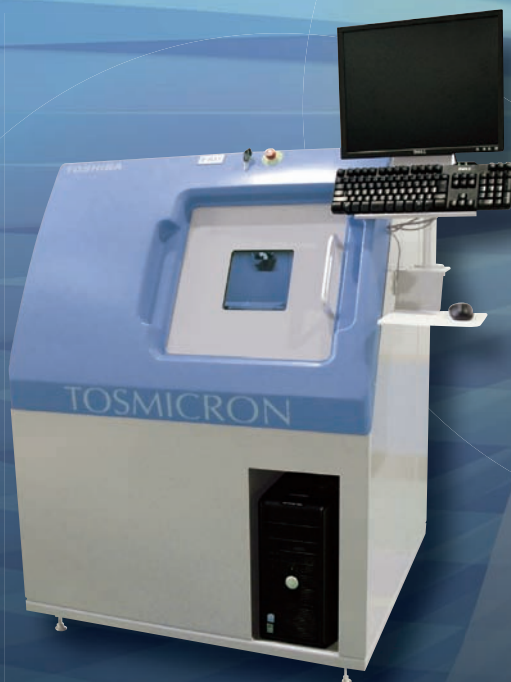
TOSHIBA

Leading Innovation >>>

Micro focus X-ray inspection system

TOSMICRON-CH4090FD

The X-ray system for SMT inspection pursued ease of use onsite.

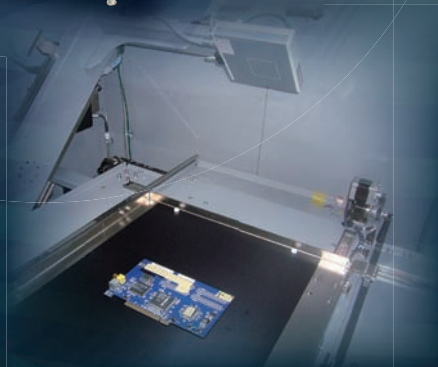


Examples of X-ray image

TOSMICRON-CH4090FD is the best suitable model for the solder inspection of chip mounted board, which utilized X-ray Sensing Technology of TOSHIBA. Clear X-ray image of the solder situation of BGA and other mounted parts can be obtained. Furthermore, it enables us to perform simple and efficient inspection with the excellent user interface.

FEATURES

- Equipped with Closed-type micro focus X-ray generator usable in maintenance-free.
- Equipped with Flat Panel Detector has high image articulatory with no distortion.
- X-ray image from oblique angle is available.
- Software for BGA void calculation.
- Comfortable user interface can be performed all in the PC screen.
- Compact design takes up the smallest area for installation.

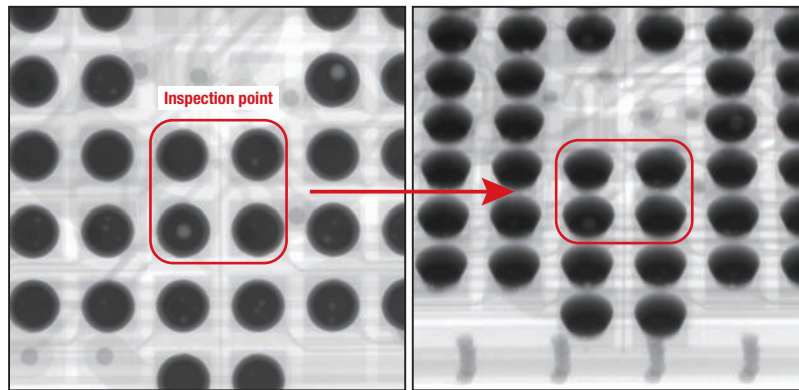


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Various functions of **TOSMICRON-CH4090FD**

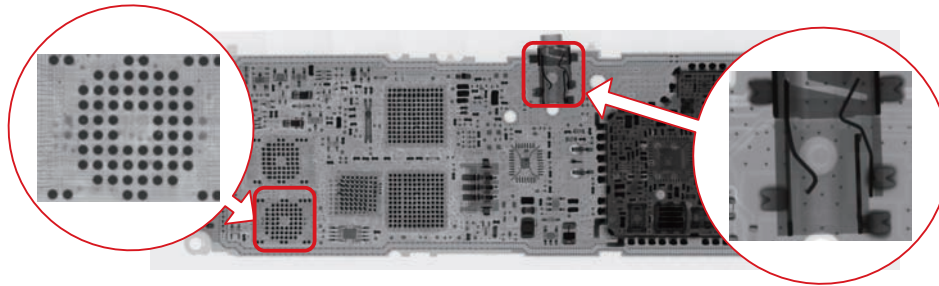
Tracking function (Auto-tracking of inspection point)

Stable X-ray image from oblique angle can be obtained because TOSMICRON has the Tracking function so that it keeps the inspection point locked at any time.



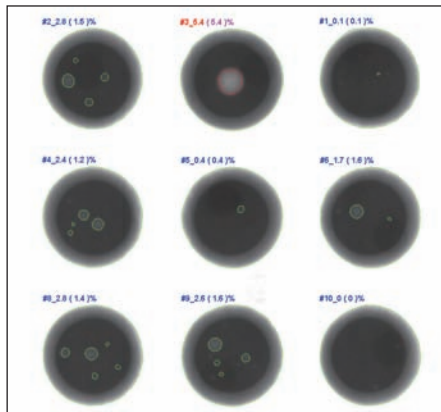
Map function

With taking a X-ray map image of the sample in advance, it can move to the inspection point freely, besides it can display the whole part of the sample.



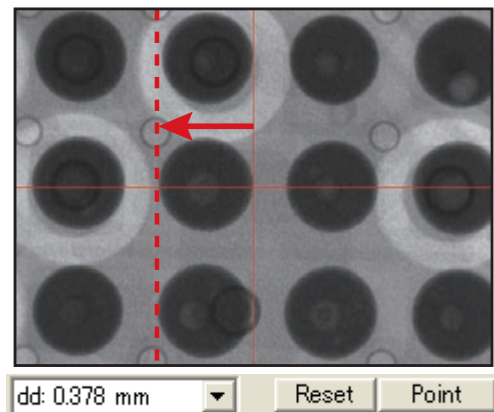
BGA void calculation

The calculation of BGA image on the screen is available easily (Void ratio, Maximum void ratio, Circular degree, Diameter, OK/NG judgment).



Linear measurement

The sample can be measured by the quantity of the movement of the table. The measurement can be more accurate and faster than the one by the X-ray image.



Main specifications

X-ray generator	Tube voltage: 90 kV, Focal spot size: 5 μm
X-ray sensor	FPD (Flat Panel Detector)
Magnification	Approximately 10-160 times
Sample table size	400×350 mm
Tilting degree	0-60 degrees
Software function	Image improvement, Image analysis/measurement, Memory box, Map, Reproduction of the image and conditions, Linear measurement, Auto-pitch feed of the sample table, etc.
Outer dimensions	1050 (W)×1050 (D)×1430 (H) mm
Mass	Approximately 620 kg
X-ray leakage	Less than 1 μSv/h (At the surface of the shield cabinet)

TOSHIBA IT & CONTROL SYSTEMS CORPORATION

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*The information and data contained this leaflet are subject to change without prior notice due to design change or other reasons.

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