

SMT Offline X-ray X-9300



CE FDA bsi.

Introduce:

The X-9300 is designed to provide high-resolution X-ray imaging for the electronics industry. This versatile system is effective for many applications in the PCB manufacturing process. It can be used to detect integrated circuit chips and semiconductors, including BGA, IGBT, flip chip and PCBA component welding, LED, IC packaging and other industries for high-precision testing.

Features:

1. CNC program: automatic batch detection of different positions of samples;
2. Array function: automatic batch detection of samples with fixed positions and the same spacing;
3. Length and width measurement: measure the length and width of part of the detection area;
4. Visual navigation interface: precise positioning, X-Y to achieve precise displacement of the joystick;
5. Simulate color: better observe the inspection image;
6. Bubble measurement: One-key measurement of bubble size, void rate, and tin climbing height;
7. Automatically ON/OFF X-RAY light tube to detect samples in batches;
8. Equipped with Japanese X-RAY light tube, the detection accuracy can reach 1um;
9. High-resolution digital X-RAY flat panel;
10. The stage can accommodate a large number of samples of various sizes;
11. Optional 360° rotation of the stage to detect samples;
12. Allow 60° tilt observation;
13. Windows navigation, convenient target tracking;
14. Ergonomic design, friendly man-machine interface;
15. High safety, with EU CE Certificate, International Quality Management System ISO, and AERB Certificate for X-ray.

Application:

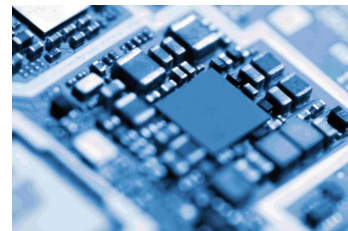
SMT, BGA, CSP, LGA, POP, SIP, Flip Chip, LED, IGBT, Semiconductor, Packaging components, Battery, Electronic components, Automotive parts, LCM display module, other special industries.



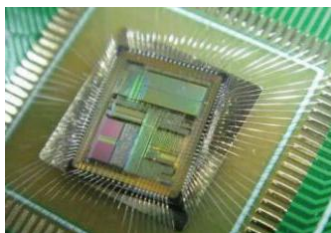
LCM Display Module



Aerospace parts



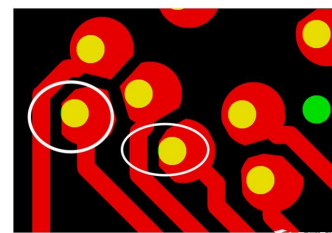
Semiconductor



IC Soldering Wire

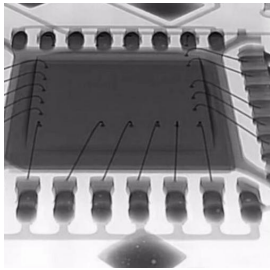


PCBA Inspection

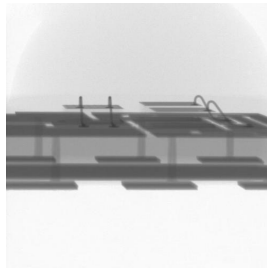


PCB Inspection

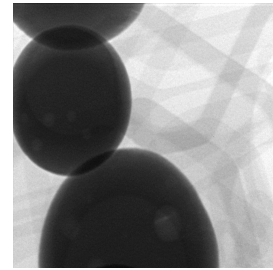
Detection case:



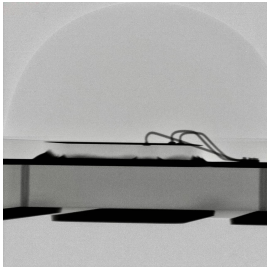
IC WIRE



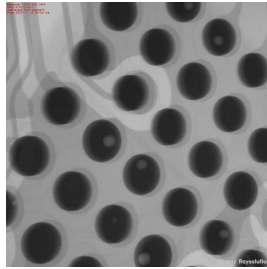
LED



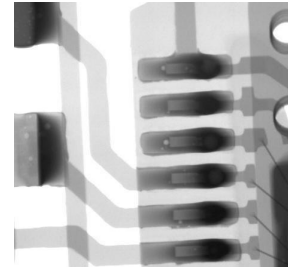
BGA



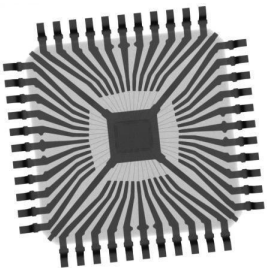
LED bonding



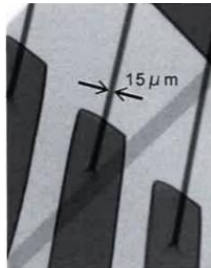
LED bonding



IC Soldering



IC Line 1



Viscosity line



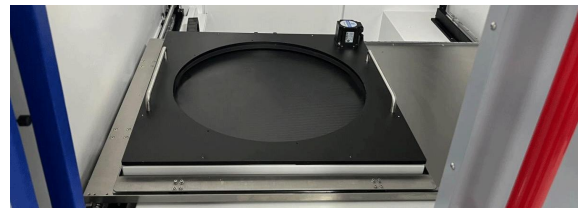
Gold Wire Welding

Features:



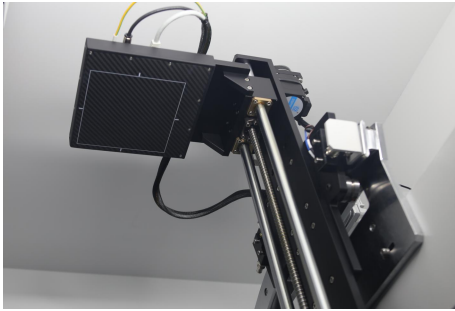
Joystick control

360-degree flexible control of the direction, angle, real-time adjustment of the speed of movement; camera and X RAY tube control buttons, sensitive operation of the core components of the machine



Programming control

Simple mouse-click operation to write inspection programs; Platform can be positioned in X,Y direction; X-ray tube and detector can be positioned in Z direction; Anti-collision system for maximum tilt and viewing of the object.



Options: Digital HD X-RAY flat detector

Ray detector has real-time image acquisition, real-time image correction, to provide high-quality images, passive cooling device, built-in temperature sensor can be real-time display of operating temperature, a variety of different gain gear PGA + Binning combination of operating modes.



Options: Nuclear radiation detector

Multifunctional ray detection, including β , X-ray, γ -ray detection, Rechargeable design greatly improves battery life, fast test speed, increased CPM display and automatic range, wider measurement range, built-in filter function, to avoid other interference

Specification:

Item	Model	X-9300
X-Ray Tube	Type	Transmissive Light Tube
	Voltage	100kv/110kv, 200 μ A/300 μ A
	Spatial resolution	1 μ m
Platform	Image capture method	Flat panel digital imaging
	Imaging accuracy	76 μ m
	A/D conversion quantized density value	16bit
	Resolution	1648*1644px
	Acquisition frame rate	30(FPS)
System	Magnification	2500x
	Operating system	Windows 10
	Power	AC110-220V, 50-60HZ, 1800W
	Radiation safety test	<1uSV/H
Structure	Plate rotation angle	60°
	Max. Loading Size	690*685mm
	Max. Inspection Area	670*665mm
	Max. Loading Weight	≤20kg
	Dimension	1510*1770*1850mm
	Weight	1800kg
	Platform movement	Manual/Auto

Materials List:

No.	Item	Brand	Original
1	X-Ray Tube	yxlon	Germany

2	Detector	Yirui	China
3	Ball Screw	HIWIN	Japan, Germany
4	Linear Guideway	HIWIN	Japan, Germany
5	Step Motor& Driver	Panasonic	Japan
6	Sensor	OMRON	Japan
7	Magnetic Contactor	MITSUBISHI	Japan
8	24V Relay	OMRON	Japan

Standard Accessories:

Item	Part Name	QTY	Remarks
1	Computer	1	Installed on the equipment
2	24 Inch Monitor	1	Installed on the equipment
3	Mouse	1	Installed on the equipment
4	Keyboard	1	Installed on the equipment
5	220V Power cable	1	Installed on the equipment
6	User Manual	1	Random delivery
7	Magnetic Contactor	1	Random delivery
8	Sensor	2	Random delivery
9	Calibration plate	1	Random delivery
10	Connector(EE-1010 2M)	2	Random delivery
11	Allen key	1	Random delivery
12	24V Relay(OMRON)	1	Random delivery
13	Toolbox (with some common screws)	1	Random delivery

* Attachments may change with product upgrade. If different, please follow the new list.

* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

Thanks for choosing I.C.T.
I.C.T looks forward to win-win cooperation.
Thank you.