Technical Specifications

SYSTEM SUMMARY	
Footprint: 1220(W) × 1280(D) × 1615(H) mm	Packaging Weight: 1,250 kg
Machine Weight: 1,130 kg	Power Supply: 110~220 VAC, 50/60 Hz
Packaging Dimensions: 1700(W) × 1400(D) × 1800(H) mm	Power Consumption: 1 kW

X-RAY TUBE	
Tube type: Sealed	Maximum Power Output: 8 W
Voltage: 0~90 kV (Adjustable)	Minimum focal spot: 5 μm

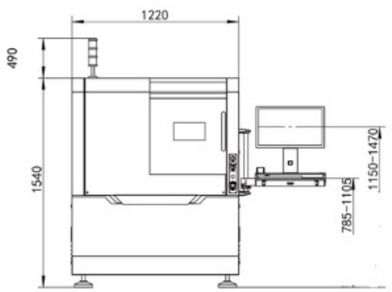
IMAGING DETECTOR	
Detector: Flat Panel Detector (FPD)	Pixel Size: 85 μm
Effective Inspection Area: 129 x 129 mm	Frame Rate: 30 fps
Pixel Matrix: 1536 x 1536	System Magnification: 600x

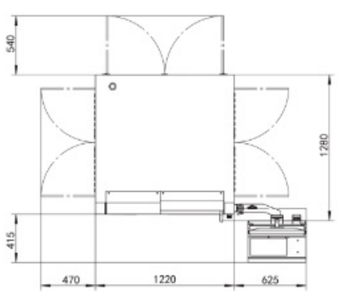
SOFTWARE	
Auto-measuring	BGA Soldering Voids Auto-measuring and Support Data/Graphic Output
Multiple Measuring Tools	Support Measuring Distance, Angle, Diameter, Polygon, PTH filling rate, etc.
CNC Mode	CNC programmable inspection with easy operation and user-friendly interface
Real-time Display	Real-time display of working data such as voltage, current, and angle.
Navigation	Convenient Target Point Positioning Systems

MOTION CONTROL SYSTEM	INDUSTRIAL PC
Motion control method: Joystick, Keypad & Mouse	Monitor: 24'' FHD LCD Display
Maximum Loading Size: 520 x 420 mm / 10 kg	Operating System: Windows
Maximum Inspection Size: 460 x 400 mm	Hard Disk: 1 TB
Tilting Inspection: ±30°	Memory: 16 GB
Manipulator: 5-axis with X / Y / Z1 / Z2 / T	CPU: Intel® Core™ i7

OTHER FEATURES	
Energy Saving	X-ray auto-off after more than 5 minutes of inactivity
X-ray Safety	<1 μSv/h (Meets all international standards)
Authority Management	Fingerprint Access Management System, and Support Password Accessing.
Safety Operation	Electromagnetic Interlock, Warning Light and Real-time Radiation Leakage Monitor

* Specifications are subject to change without notice. All trademarks are the property of their respective owners.





MADE IN MALAYSIA/CHINA

TruView™ Simplex

Creative Electron
THE X-RAY PEOPLE

VISIT THE PRODUCT PAGE

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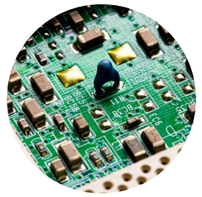
TruView™ Simplex

The TruView™ Simplex provides fast, clear, and reliable imaging for quality control in electronics manufacturing. Designed for SMT, BGA, LED, and semiconductor applications, it allows operators to easily detect hidden defects such as solder voids, bridges, and misalignments without damaging the product. With automated inspection capabilities, intuitive software, and precise multi-angle viewing, it helps manufacturers improve yield, reduce rework, and ensure consistent product quality across production lines.

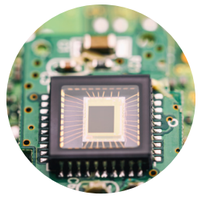
Features

- 90 kV 5µm X-ray tube, FPD Detector.
- Multi-function workstation with X–Y multi-axis movement and ±30° detector tilt.
- Motion controls include: X/Y table motion plus Z axis tube and detector movement.
- Multi-function DXI image processing system.
- X/Y programming function for multiple image inspection routines
- Max. loading area 520 x 420 mm, max. detection area 460 x 400 mm, with ~600x system magnification.
- Automatic BGA void and area measurement with report generation.

Application



Semiconductor/SMT/ DIP/Electronic Component Inspection



IC/BGA/CSP/flip Chip Multiple Packaging Inspection

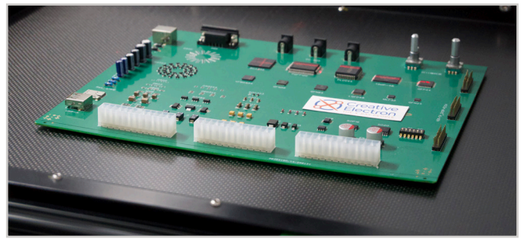
Lithium Battery Inspection

Auto parts/Aluminum Castings Detection

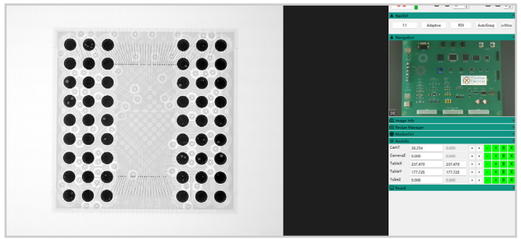
Photovoltaic, molded plastics, ceramic products and other special industry detection

Functional Characteristics

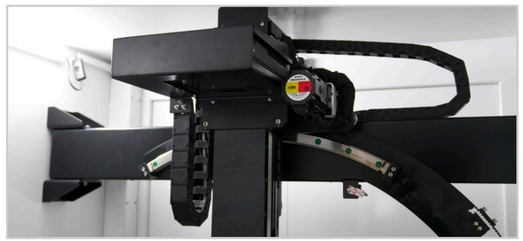
1 Large Size Inspection Table.
Laser Locator for Precise Location



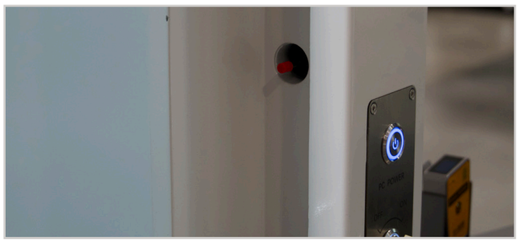
2 Accurate Control, CNC programming, and Automatic Positioning



3 FPD Tilting ±30°



4 Safety Electromagnetic Interlock



5 Fingerprint Access Management System

6 Real-time Monitoring of Radiation

Our guarantee to you.

We believe in the solutions we provide and are confident that they will operate robustly, consistently, and reliably in our customers' hands for a long time with minimal maintenance. Your peace of mind is our top priority.