



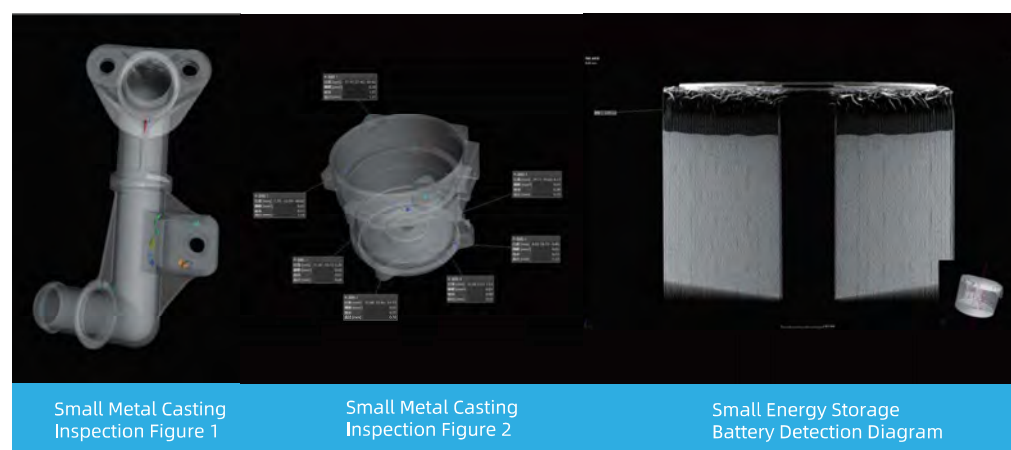
UNCT3100

Industrial CT Testing System

APPLICATION

UNCT3100A is a cost-effective compact industrial CT detection system with DR and CT dual imaging detection functions. It is mainly used for the detection of small metal castings and non-ferrous metals, small lithium-ion new energy batteries, chips, electronic devices, rock samples, cores, soil, fossils, composite materials, biological samples, etc.

X-RAY IMAGE



Small Metal Casting
Inspection Figure 1

Small Metal Casting
Inspection Figure 2

Small Energy Storage
Battery Detection Diagram

Technical Parameters and Specifications

System Parameters

Footprint	1600*1040*1830mm
Machine weight	2000KG
Power Consumption	9kW
Maximum Inspection Area	Φ500*500mm
Maximum Loading Weight	10KG
Power supply	380AC/50Hz
Radiation dose	< 1μSv/h

X-Ray Tube

Voltage	160kV
X-Ray Tube Type	Sealed
Focal Spot Size	0.5mm

Imaging Detector

Detector	Amorphous Silicon
Pixel Matrix	3072*3072
Pixel Size	139μm
Effective Detector Area	427*427mm

Functional Characteristics

- Defect Detection;
- Wall thickness analysis;
- CAD Comparison;
- Metrology/three-coordinate measurement;
- Fiber Composite Material Analysis;
- Transfer phenomenon;
- Structural mechanics simulation;
- Reverse Engineering.

MACHINE FOOTPRINT

