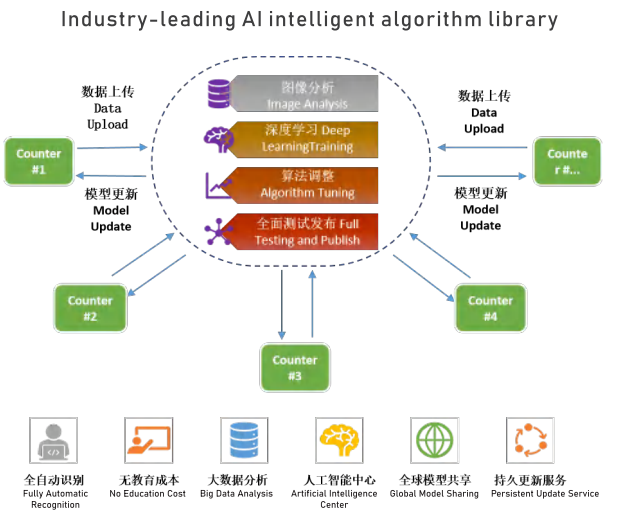# XC1000

XC1000/ Offline X-Ray Automatic Counting Machine

XC1000 is an offline automatic counting machine. The equipment design refers to ergonomics, easy to operate, and has multiple safety protections. It occupies a small space and is easy to move the working position. The innovative self-developed AI intelligent counting algorithm software can count 4 trays at the same time, quickly and accurately calculate the material quantity, improve work efficiency, assist SMT intelligent warehousing, and save manpower investment.

Product Features

Compatible with Various Types of Materials: Suitable for various types of SMD components, SMD devices above 01005; supports 7-15 inch reels/trays/bulk materials/IC moisture-sensitive packages and other materials

Automatic and Accurate Counting: AI intelligent counting algorithm software can count 4 trays of materials at the same time, counting materials quickly and accurately, with a counting accuracy of up to 99.99%

Global Material Database: About 120,000 kinds of material information have been collected, and the cloud collects new material types and image data from around the world, and regularly updates the AI model for material selection every week.

Humanized Design: The equipment is designed based on ergonomics, easy to operate; it takes up little space and can be moved to any location for use

Multiple Safety Protections: Safety interlock, light grid induction to prevent finger pinching and other multiple safety protections

Automatic Label Printing: Customized printing templates, automatic label printing, and material label error prevention mechanism

Code Reading: Standard barcode scanner, can recognize 1D/2D codes; optional high-pixel automatic barcode scanning camera, can recognize minimum 0.13mm 1D code/0.25mm 2D code

System Connection: Automatic statistical output of material point data, and can be connected with MES/ERP/WMS and other systems for real-time data exchange

Transcoding Function: Automatically generate customer tags based on the code reading result matching rules

Technical Advantages

Industry-leading AI intelligent algorithm library

Product Parameters

Model No		XC1000
X -Ray Tube	X-Ray Tube Type	Reflective sealed micro-focus X-ray source
	Tube Voltage	30-80KV
	Tube Current	200-700 μA
	Maximum Output Power	56W
	Micro Focus Size	33μm/100μm
Flat Panel Detector	Flat Panel Type	Amorphous silicon flat panel detector
	Pixel Matrix	3072x3072
	Field of View	427mm×427mm
	AD Conversion Digits	16bits
Equipment Specifications	Reel Diameter	7"-15"Tape Reel
	Reel Height	5-80mm (Tray sensor sensing height>5mm)
	Minimum Component	01005
	System Docking	MES/ERP/WMS
	Label Printing	TSC Industrial Printer
	Input Power	220V 10A 50-60HZ
	Operation System	Industrial Computer WIN10 64 bit
	Dimensions	L800mmxW1280mmxH2200mm
	Net Weight	About 790KG