

OFFLINE X-RAY REEL COUNTER

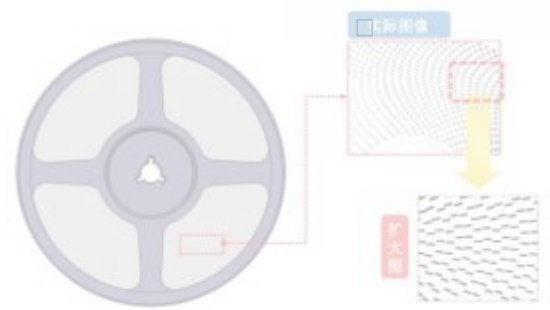
XC1000E OFFLINE COUNTING MACHINE

The XC1000E is a compact micro-focus X-ray fully automatic component reel counter. Using advanced X-ray imaging and a self-developed AI-based counting algorithm, it provides fast and highly accurate material counting for all common SMD component reels. The system supports MES integration and automatic label printing, significantly improving workflow efficiency and reducing manual handling.



PRODUCT FEATURES SEAMARK XC1000E OFFLINE REEL COUNTER

- Unlike traditional mechanical counting machines, the XC1000E does not require unpacking or manually transferring the reel; the component reel is scanned directly inside the system.
- Compatible with all common SMD chip components, including ultra-small sizes down to 01005.
- Provides exceptional counting accuracy of more than 99.99%.
- Supports reel diameters from 7" to 15".
- Features an optimized X-ray detection environment and an advanced AI-driven counting algorithm.
- Fully automated counting process improves efficiency and eliminates human error.



SPECIFICATION OF SEAMARK XC1000E OFFLINE REEL COUNTER

X-Ray Tube Source Specifications

Type	Sealed Micro-Focus X-Ray Tube
Voltage	80 KV
Operating Voltage Range	30-80KV
Operating Current Range	200 -700 μ A
Max Output Power	56W
Micro Focus Spot Size	30 μ m-40 μ m

Flat Panel Detector Parameters

Type	TFT Industrial Dynamic FPD
Pixel Matrix	3072 \times 3072
Field of View	427mm \times 427mm
Resolution	3.6Lp/mm
Frame (1 \times 1)	6fps
A/D Conversion Bit	16bits

Equipment Performance Parameters

Dimensions	L738mm \times W765mm \times H1760mm
Input Power	220V 10A 50-60HZ
Max Sample Size	450mm \times 450mm
Control System	Industrial PC WIN7/ WIN10 64bits
Net Weight	Approx 550KG
Radiation	< 1 μ Sv/h