

AXI-5100C III

Component Counting System
with Automatic Loader, Printer,
and Unloader



The Scienscope AXI-5100C III is an advanced SMT part counting system that enables comprehensive control over the number of SMT parts in the factory, reducing inventory overstocking and associated costs. It features a digital flat panel and X-ray device, and the entire machine is enclosed in a fully shielded radiation chassis, with essential safety interlocks on the cabinet door. This automated system integrates with data management, providing complete inventory control through your production process. This system saves time, reduces labor, and avoids line downtime due to insufficient components.

We offer various configurations of the AXI-5100C III system to meet your specific requirements the optimal modular configuration for full automation is equipped with an automatic loader, labeler, and unloader, making it a perfect solution for automating your warehouse process.

Automatic Loader
(optional)



Automatic Unloader
(optional)



FEATURES

- Autonomous software with AI for 99.9% accuracy
- Built-in library with free database update
- Automatic feeding and positioning of reels and labels with additional video camera
- Automatic loader, printer, label placement, and unloader (optional)
- Flat panel touch screen monitor 24"
- Industrial PC: Microsoft Windows 11

We offer an automated loader/unloader that provides versatile options for magazine carts, including 7", 13", and 15" sizes. Our solution allows you to choose between using the magazine trolley or creating a fully automated warehouse with AGV technology. (optional)

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Component Counting System with Automatic Loader, Printer, and Unloader

| | 5100C III Counter | 5100C III Reel Loader/Unloader | 5100C III Auto Labeling | |
|-----------|--|--------------------------------|------------------------------|---------------------------|
| Hardware | Operating System | Central Computer | N/A | |
| | Reel Size | 7", 13", and 15" | 7", 13", and 15" | |
| | Maximum Qty of Reels | 7" H 15mm: 200(max) | 7" H 15mm: 200(max) | 7" H 15mm: 200(max) |
| | | 13" & 15" H 15mm: 50(max) | 13" & 15" H 15mm: 50(max) | 13" & 15" H 15mm: 50(max) |
| | Voltage | 50kV Maximum | N/A | N/A |
| | Speed of Prints and Labels | N/A | N/A | 10S |
| | Label Size (max) | N/A | N/A | 60mmx25mm |
| | Push cart/magazine | N/A | AGV ready | N/A |
| | Reel Rise | N/A | Elevator | N/A |
| | Reel Transport | N/A | Manipulator | N/A |
| | Bypass for Sealed Bags/ Trays | N/A | Yes | Yes |
| | Printer Type | N/A | N/A | Zebra 105SL Plus |
| | Optical Camera | N/A | 20 Megapixel (Loader) | 20 Megapixel |
| AGV Ready | N/A | Yes | N/A | |
| Software | Collects Information From System & Prints Labels Automatically | N/A | N/A | |
| | Windows 11 Ready | Yes | Yes | Yes |
| | Dimension | 865mm x 2350mm | 1335mm x 2350mm (with light) | 60mm x 25mm |
| Air | N/A | 0.1Mpa | 0.1Mpa | |
| Weight | 800 kg (1763.7 lbs) | 900kg (1984.16lbs) | 700kg (1543.24lbs) | |
| Electric | 110-240 AC | 110-240 AC | 110-240 AC | |

