

IGC-530AOI

Conformal Coating AOI Unit



IGC-530AOI is an AOI system that is specially designed to be used for conformal coating systems. Controlled effortlessly through a PC and user-friendly software interface, this system ensures simplicity and convenience with mouse-operated operations. Crafted with precision, the galvanized sheet welding rack features electrostatic powder spraying and painting for an airtight seal, reducing gas leakage. The conveying part boasts adjustable speeds from 0 to 3.5 meters/minute, utilizing high-hardness aluminum material and stainless steel chain transmission for durability. Manual conveying width adjustment within a 50-300mm range adds versatility. Equipped with a high-definition camera and autofocus capabilities, the device outputs HDMI video signals for impeccable inspection accuracy. With whole-line docking facilitated by SMT industry-standard SMEMA interfaces, the IGC-530AOI guarantees seamless signal integration with other devices, offering a holistic solution for superior conformal coating and inspection processes.

FEATURES

- **Software Control:** The PC software allows for easy operation with a mouse, offering simplicity and convenience.
- **Rack Construction:** The rack is constructed from galvanized sheet welding and undergoes electrostatic powder spraying and painting for a sealed finish. An acrylic window provides visibility, enhancing the overall aesthetic appeal and ease of access.
- **Conveyor System:** The conveying speed is adjustable up to 3.5 meters per minute using high-hardness aluminum material. Stainless steel chain transmission ensures durability, with manual width adjustment ranging from 50-300mm. Two conveying methods are available - online and direct type - with Taiwan Yangming sensors to prevent misinduction.
- **Inspection Module:** Equipped with a high-definition camera featuring autofocus capabilities and HDMI video signal output.
- **Integration Capabilities:** The equipment features SMEMA interfaces compliant with SMT industry standards for seamless signal integration with other devices.

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FEATURES

- The control aspect involves PC software control, enabling all operations to be easily completed using a mouse. The frame is constructed from galvanized plate welding, with a finish of electrostatic powder spraying and baking for enhanced durability. The overall sealing minimizes gas leakage, while the acrylic window allows for easy observation.
- The conveying system offers adjustable speeds ranging from 0 to 3.5 meters per minute, utilizing high-hardness aluminum material and stainless steel chain drive.
- The conveying width can be manually adjusted between 50-450 mm, with options for online or straight-travel conveyance. To prevent false induction, a Taiwan Yangming sensor is employed.
- For seamless integration into production lines, the equipment features an SMEMA interface following SMT industry standards for signal compatibility with other devices.
- Lastly, the detection component includes a high-definition camera with auto-focus capabilities and the ability to output high-definition HDMI video signals.

SPECIFICATION

Properties	IGC-530AOI
External dimensions	L800mm x W800mm x H1700mm
Transmission height	910±20mm
Transportation speed	0 ~ 3500 mm/min (Adjustable)
Equipment power supply	AC220V/ 50Hz/ 1.8kW
Conveying method	Chain conveyor
Amplitude modulation method	Hand operated adjustment
Component height	Up and down: ± 110mm
PCB board size	Max. L300 x W300 mm
Lighting part	Equipment comes with its own lighting source
Detection section	Equipped with a high-definition camera, taking photos, comparing, and the device automatically determines NG/ OK
Equipment weight	Approx. 120kg
Equipment power supply	AC220V 50Hz
Total power of equipment	0.2kW