Specifications **i70X**

BASIC PARAMETERS	i70XS-Top	i70XS-Top Bottom	i70XL-Top	i70XL-Top Bottom	
Power supply	220V/2.2KW				
Air pressure requirement	0.4-0.8MPA				
Exhaust requirements	Exhaust port diameter 200mm				
Dimension(WxDxH)	1150x1350x1630mm	1150x1350x1630mm	1420x1550x1780mm	1420x1550x1780mm	
Weight	600kg	700kg	750kg	800kg	
System certification	CE				
IPC parameter	i7, 32GB memory, 6T hard disk,Win10, 24 inch display				
Communication	SMEMA				
PLATFORM PARAMETERS					
Conveyor payload	5kg (10kg optional)				
Conveyor height	900±30mm				
Conveyor speed	2-15m/min				
Conveyor direction	L-R(Standard); R-L(Optional)				
Conveyor width range	50-500mm				
Conveyor width adjust	Automatic				
Conveyor transport type	Stainless steel chain				
Top clearance	50mm	50mm	100mm	100mm	
Bottom clearance	100mm	50mm	100mm	100mm	
Board thickness	Min thickness :1mm (Rigid product)				
Board edge	5mm				
Return conveyor height	400±30mm				
AOI PARAMETERS					
Inspection type	Тор	Top Bottom	Тор	Top Bottom	
Max inspection area(XxY)	400x300mm	400x300mm	530x420mm	530x420mm	
Resolution	600-1200dpi, 42um-21um				
Depth of field	9mm				
Display size	24 inches				
Inspection light source type	Red light, white light, UV light				
STANDARD FEATURES		OPTIONAL F	EATURES		
AOI module (400x300mm) or (Bottom return o	Bottom return conveyor			
Conveyor		Exhaust monitoring			
Audible alarm			Thickness measurement software		
Stack light (3 color)	MES	MES			
Automatic width adjust (Conveyor)		Double scan fo	Double scan for large board		
Lifting (Scanning assembly)		Conveyor mounted barcode reader			
White-light illumination system (Not multi-color LED UV lamp)		amp) License for read	License for reading 2D data matrix barcode		
Safety door lock		Offline review	Offline review		
Exhaust port		Inline repair sta	Inline repair station with NG buffer		
Log file		Thickness meas	Thickness measurement calibration tools		





Calibration plate



CHINA

USA

Axxon Automation Co.,Ltd. A14, Silicon Valley Power Automotive Innovation Park 334 Guanlan, Shenzhen, China Tel: +86 755 8358 6066

NETHERLANDS

IPC (24 inches monitor and verification keypad)

Mycronic B.V. High Tech Campus 10 5656 AE Eindhoven Netherlands

MEXICO

Mycronic Mexico Carretera Guadalajara-Tepic No. 7355 Col. San Juan de Ocotán in Zapopan Jalisco C.P. 45019

USA Mycronic Inc. 554 Clark Road Tewksbury, MA 01876 USA

USA US Application Center 1450 Koll Circle San Jose, CA 95112



Conformal coating Inspection system

MYSmart™ i70X series Conformal Coating Inspection System



i70X series

High precision in-line conformal coating inspection system

Conformal coating is widely used to protect electronics from moisture or other environmental hazards. It is critical to know if coatings were properly applied; covering what is meant to be covered and not covering what should be exposed. Additionally, it offers comfort knowing no defects such as bubbles or orange peeling are present. Most conformal coatings include a UV tracer that allow the i70X's propriatary illumination to see coating fluids as they were applied. Optional fluid thickness measurement will return a height map of the entire PCB. Critical regions can be selected for automatic checking.

The system features advanced scanning technology with multi-color LED illumination and exclusive parallax-free optics. The optics, along with an impressive scanning distance of up to 100mm results in shadow free inspection of products with tall geometry. This means the i70X can 100% inspect next to a connector no matter if it is at the edge of a product or in the center. Complete, high resolution scans with the largest model take less than 25s. Defects such as cracks, voids and contamination can easily be detected. With the optional thickness measurement software a color map can be displayed, offering a guick check that coating is within specification.

Advanced inspection scanning units:

- High-resolution color scanner: real 24-bit color, 20,400 x 14,040 Pixels per small scan
- Multi-color LED lighting
- Achromatic lens for parallax free display

Easy programing: Fast and intuitive software

Simple user interface: Straight forward programing wizard and easy to understand interface

Fast scanning speed: Time for a full scan and processing is < 25s, and results are immediately available

Supports MES traceability: Barcodes can be read on each PCB with optional 2D barcode option. The results and detail can be connected to your MES for product traceability

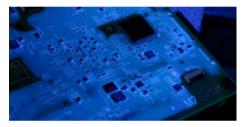


Applications

Conformal coating inspection system

Applied Industries:

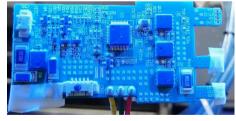
- Automotive
- Consumer
- Military
- Medical



Conformal coating (with UV tracer)



Fluorinated solution



Nano coating



Gel (with UV tracer)

Process defect detection: defects such as cracks, voids, too-thin or too thick, smears, contamination, splashes orange peel, bubbles and thickness measurement.

- Detection time: 6-25s

- Resolution: 600-1200dpi

- Multi-light source system: red light, white light, UV light

