

CONFORMAL COATING INSPECTION

PN: CCV-1M

CUSTOMER SATISFACTION.....“Whatever it takes”

COATING INSPECTION DESCRIPTION

The CTI Conformal coating Inspection machine Inspects for the absence of coating in areas where coating is expected to be. It can also inspect for overspray in areas where coating material is not allowed. As with inspection of UV coatings, blacks lights are used to change the color of the material to allow the camera to detect the materials color.

When used in series with a CTI Conformal Coating machine the CTI Inspection machine can use the program from the Coater to establish the areas where coating should be present. This makes programming the Inspection machine fast and simple.

A known good product can also be used to quickly teach the inspection machine.

The Inspection machine has fiducial correction and bar code verification capability.

Precision movements are accomplished using servo drives and precision THK ball screws and slides.

The front of the machine has a front opening door and a sliding top to allow the operator full access to the work area.



STANDARD FEATURES

- ▶ Edge Chain Conveyor with product stop
- ▶ Light tower with alarm
- ▶ Interface to send results to customers database
- ▶ Three Axis closed loop servo gantry control (X/Y/Z)
- ▶ Component inspection camera also reads fiducial and bar code labels
- ▶ Easy teach programming
- ▶ Steel welded frame



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SPECIFICATIONS

Gantry

System Type	Closed loop (3 axis)
X/Y/Z Speed	Programmable, 1000 mm/s max
X/Y/Z repeatability	+/- .025 mm
Positional resolution	.005 mm
Work Area	480mm (W) x 520mm (L) x 100mm

Gantry Head

Camera	GigE
Program Z-Axis	Yes
Fiducial correction	Yes
Bar code reader	Yes

Conveyor

Conveyor Type	Edge Chain
Edge clearance	3mm
Max width	480mm (18 Inches)
PCB Stop	Yes
Conveyor Speed	Variable (10-25 M/s)
Conveyor Height	940mm +/- 50mm
Compatibility	SMEMA
Product weight	25 pounds

Facilities

Footprint	1000mm width X 1100 mm depth
Power	200/240 VAC – 30 Amp
Air Supply	610 kPa (90 psi) @ 4 CFM max

Programming

Hardware	Industrial PC
Operator Interface	15 inch touch screen
Software	Windows based CTI inspectware
Teach By Camera	Yes
Off line programming capable	Yes, from DWG/DXF or stitched image

General

System weight	425 Kg
Frame Construction	Steel welded