

# HIGH SPEED SELECTIVE COATER

PN: CM-1M-2V-1

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

## COATER DESCRIPTION

The CTI Selective Conformal Coating machine allows the user to safely and efficiently coat small, hard to access areas on the PCB, large areas on the PCB or the entire PCB in a matter of seconds.

The system comes standard with two valves/nozzles. One has an oval cone profile for large area coverage, the second is a non-atomized pencil tip for dispensing dots, thin lines and beads.

The CTI Selective Conformal Coating machine has been recently re-designed to include many features such as, 15 inch touch screen operator interface and CTI Coatingware which were previously optional.

The CTI Coatingware includes Fiducial vision correction, bar code reader, and easy programming.

The CM-1M offers the easiest to use and most accurate programming tool in the coating industry.

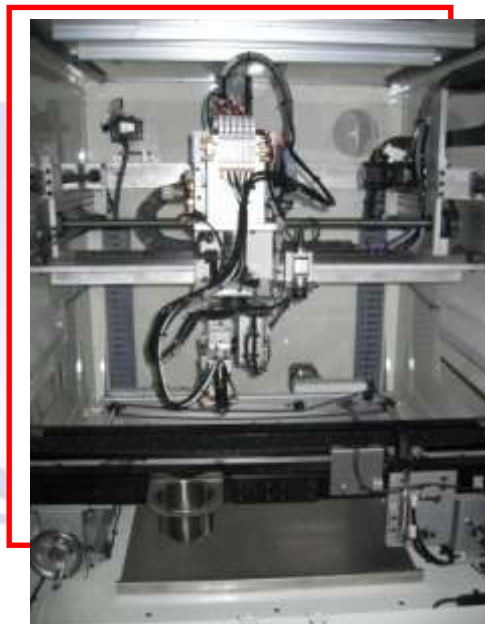
The front of the machine has front opening door and a sliding top to allow the operator full access to the work area.

The rear access has a slide out Stainless steel pan for easy clean-up of spray through holes and over spray.



## STANDARD FEATURES

- ▶ Atomized oval cone valve/nozzle and non-atomized dispense valve
- ▶ Automatic 30°- 45° tilt on each valve
- ▶ Digital material flow control with meter
- ▶ Four Axis closed loop servo gantry control (X/Y/Z/Q)
- ▶ Fiducial camera with bar code reader
- ▶ Easy programming through stitching
- ▶ Off line programming with DXF or stitched image



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## SPECIFICATIONS

### Gantry

System Type	Closed loop Servo ( 4 axis)
X/Y/Z Speed	Programmable, 1000 mm/s max
Rotation (Q) Speed	Programmable, 15.3 Rev/s
X/Y/Z repeatability	+/- .025 mm
Q Repeatability	.02 degrees
Positional resolution	.005 mm
Work Area	520mm X 520mm X 100mm

### Gantry Head

Number of Valves Std.	2
Max # Valves	4
Quick change valves	Yes
Programming camera	Yes
Fiducial correction	Yes
Bar code reader	Yes

### Conveyor

Conveyor Type	Pin Chain
Edge clearance	3mm
Programmable width	Yes (Optional)
Max width	520mm
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 1370 mm depth
Power	200/240 VAC – 30 Amp
Air Supply	610 kPa (90 psi) @ 10 CFM max
Ventilation	300+ CFM recommended

### Programming

Hardware	Industrial PC
Operator Interface	15 inch touch screen
Software	Windows based CTI coatingware
Programming camera	Yes, with stitching
Off line programming capable	Yes, from DWG/DXF or stitched image

### General

Material pressurized vessel	5 liter standard
System weight	510 Kg
Frame Construction	Steel welded