

SpectorBOX

JUZ



CCI Conformal Coating Inspection Module Mek SpectorBOX for UV Coating Inspection

- | | |
|---|---|
| √ CCI inspection head based on 5MP JUz series | <i>Dual lighting head for UV and Component Body inspection</i> |
| √ UV pigmented Coating Inspection Optimized for THT lines | <i>AOI Solution for coting inspection in THT lines by customized integration For Wave & Selective Soldering Of THT & SMT Components</i> |
| √ Bottom-up and/or Top-down Inspection | <i>Inspects PCB's From Below a Conveyer Belt or Chain</i> |
| √ Coating thickness determination | <i>Coating thickness judgement within algorithm</i> |
| √ Solder Frame Compatible | <i>Designed to Inspect PCB's Inside Solder Frames Directly From The Conveyer</i> |
| √ Special Algorithms for Coating Coverage and Splash detection | <i>Easy programming of coated areas by pre-programmed algorithms</i> |
| √ Modular Inspection Possibilities: Bottom, Top or Top + Bottom | <i>Possibility to Combine Two SpectorBOX Systems For Simultaneous Top+Bottom AOI</i> |
| √ Main Frame Compatibility | <i>Multiple 3rd Party Turn Key Solutions Readily Available. SpectorBOX Systems Fit Conveniently Inside these Main Frames</i> |
| √ In Z-Axis Moving Optical Head(s) | <i>Focus and Position Optimally For Varying PCB Distances Or Warpaga (Applicable To Certain Models With Z-Axis)</i> |
| √ General Purpose I/O | <i>Configurable I/O to Be Controlled By Existing PCB Handling Systems</i> |
| √ Post Defect Classification and Reporting Scenarios | <i>Inspect your PCB's Automatically Now, Classify/Report Defects Later Whenever Convenient</i> |



Specifications

JUz

SpectorBOX FDLz 550	
Maximum PCB Size	550x520mm (21.7" x 20.5")
<i>Characteristics</i>	
Product type	Conformal Coating Inspector
Camera movement	X+Y Direction
PCB movement	Stationary
Parts inspection	Coating Coverage, Spalshes, Parts Presence/Absence, Type, Polarity, Colour, Text, Offset
Imaging principle	Synthetic Imaging, Spectral Analysis, Greyscale limits
Imaging parameters	Brightness, Contrast, Hue, Saturation via Filters
<i>Specifications</i>	
Main Camera type	4.8 MP CCD digital with USB 3 Vision
Main Camera Field Of View/Resolution	47.0 x 39mm (1.9" x 1.7") 19µm
Lens	High Resolution Macro Lens
Lighting system	Omnidirectional Dual LED rings: UV LED, White LED for components
Positioning accuracy	Pixel related Feedback Loop
Component clearance	+60mm
Side Cameras	No side cameras
Z-Axis movement range	30mm (2.4")
Movement speed	720mm/s
Mains	100-240 Vac / 150W
<i>Interfacing</i>	
Control PC type (not included)	Apple Mac Mini or iMac
Control / Imaging interface	USB / USB 3.0 Vision
Programming Interface	CSV Centroid file (Placement file)
Repair/Monitor/SPC System/MES-interface	Mek Catch System (Windows 7/8/10) (option)
3rd party Interfacing (MES-if) & Data Storage	Enterprise SQL DB/XML Files/Socket (Catch System Option)
<i>General</i>	
Operating temperature	15-30 degr C (59-86 degr F)
Operating humidity	15-80 % RH
External size	W900 x D1080 x H316 (35.5" x 42.5" x 12.4")
Weight	80kg (220lbs)

Represented/Distributed by:

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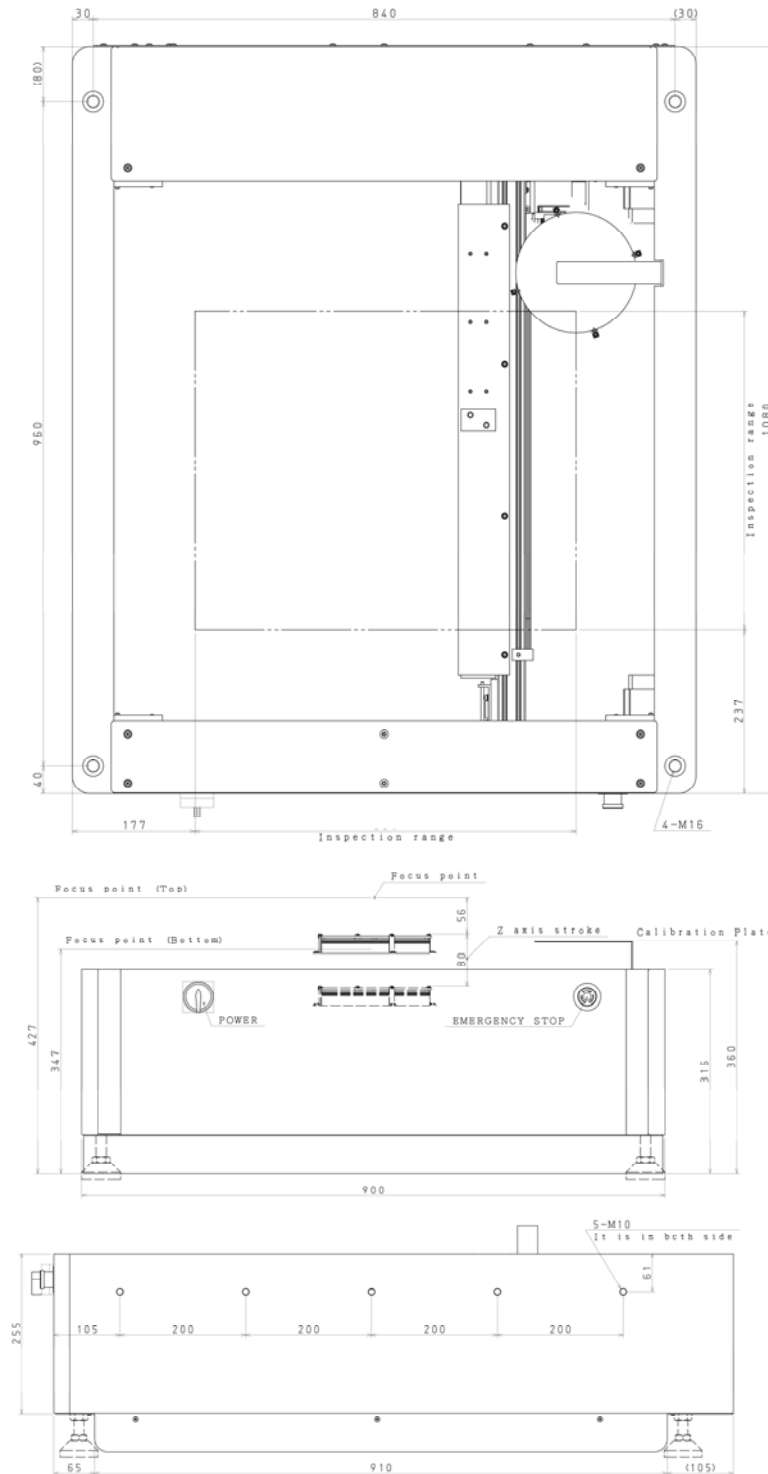
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because inspection matters

Spectra AX

Bottom Up

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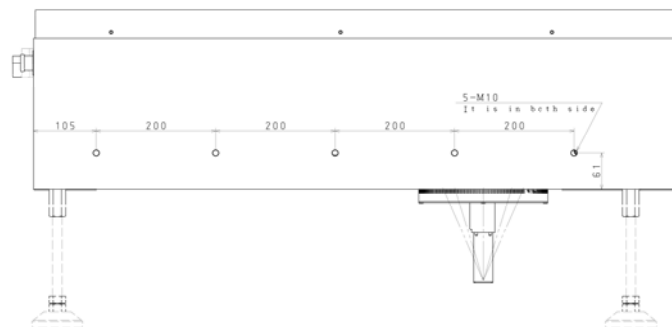
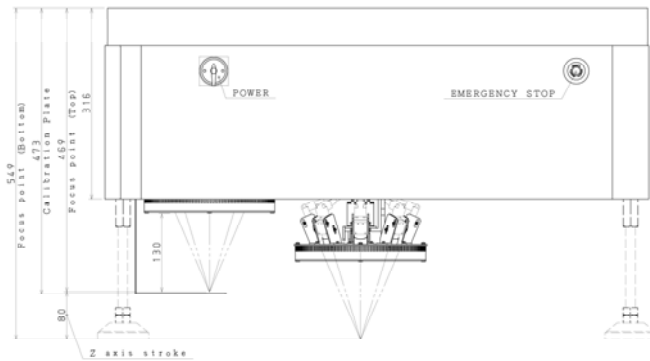
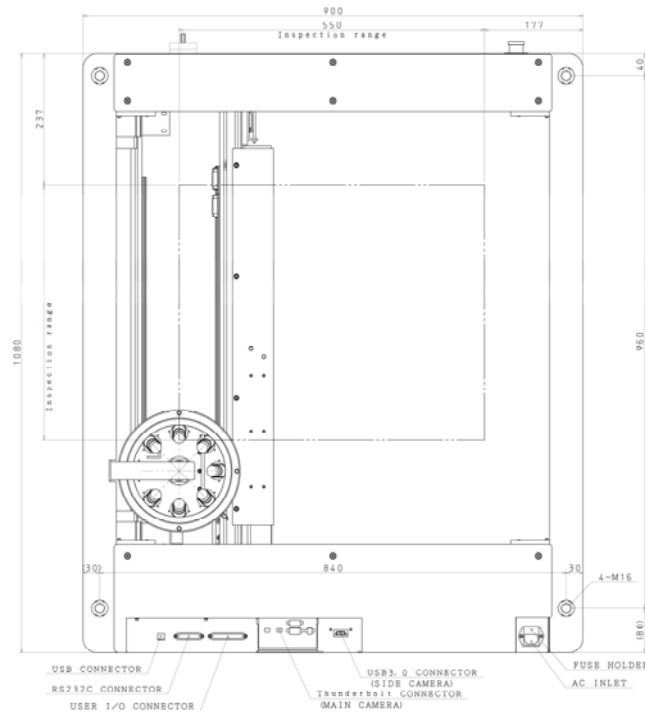
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Spectra BOX

Top Down

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