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PWB
INSPECTION
MACHINE

Desktop PWB Visual Inspection Machine

SI-V100 / V100L

Easy operation, omission free desktop machine

Equipped with the same optical device as an inline inspection machine SI-V200

Exceptional detection capabilities and easy operation

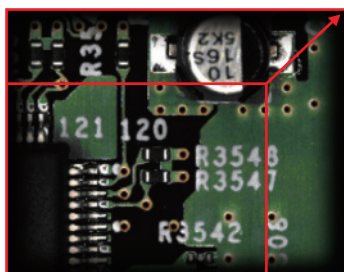


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Desktop PWB visual inspection machine SI-V100 / SI-V100L

5 megapixel full color CCD camera

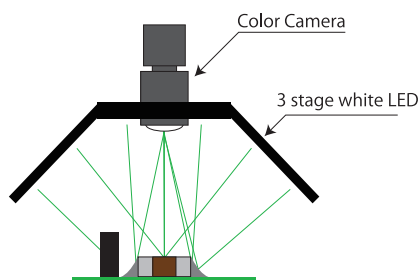
A 5 megapixel color CCD camera ensures wider screen view. It provides high speed and high accuracy at the same time.



<Full color CCD>

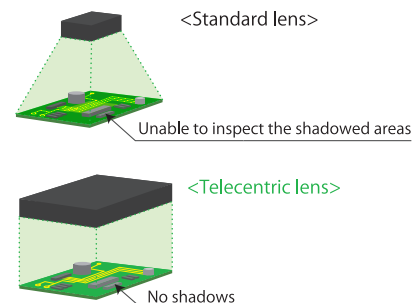
3 stage white ring light

High-intensity white LED light clearly reflects the component color. The 3 stage white ring light with different lighting angles makes it possible to capture sharp inspection images without shadow or over exposure.



Telecentric lens

With a telecentric lens, the system is able to capture images as viewed from directly above, from corner to corner, including defects that may be hiding in the shadow of a taller part.



Pattern matching

OK/NG determinations are made based on the pre-captured images of good samples. This reduces programming time and achieves both high speed and high accuracy.

Easy Programing

By using combinations of templates, operators can reduce the time spent on programing inspection programs. The system also enables user customization.

Anywhere, Anyplace

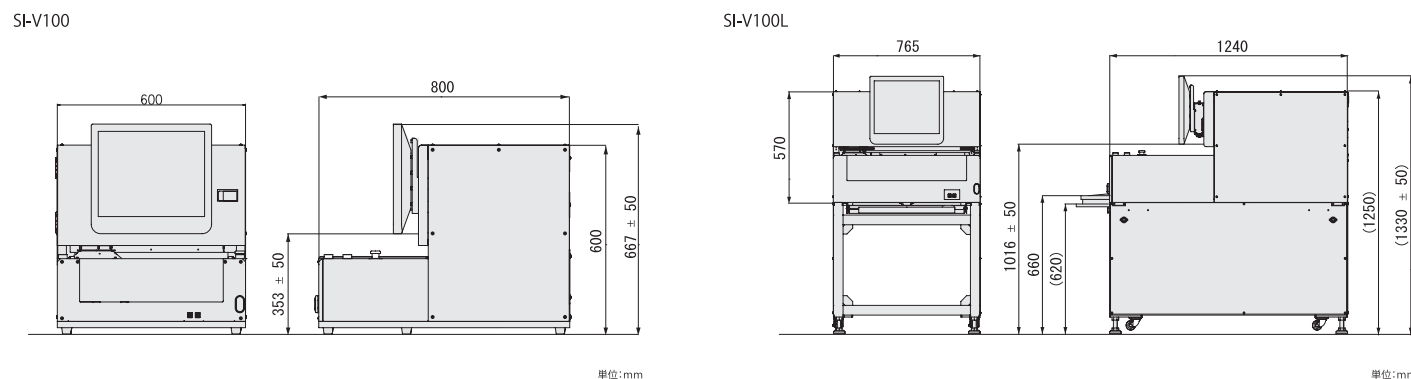
The system integrates a PC in its compact body so operators can conduct inspections anywhere simply by plugging it into a power source.

Specifications

PWB Visual Inspection Machine		
Model name	SI-V100	SI-V100L
Machine type	Off line inspection machine for M sized PWB	Off line inspection machine for L sized PWB
PWB size	50mm×40mm-330mm×250mm Thickness : 0.4mm-3.0mm	50mm×40mm-510mm×460mm Thickness : 0.4mm-3.0mm
Component size range	0402*, 0603 (metric), cylindrical chip, tantalum capacitor, transistor, SOP/QFP, etc.	
Inspection speed	0.4sec/frame (Our optimum value)	
Resolution	15 μm (Standard resolution), 11 μm (High resolution*)	
Inspection items	Omission, offset, polarity, reversed, no-solder, bridge, amount of solder, foreign material, etc.	
Power supply	AC100V-240V, ±10%, 50/60Hz, Max 0.5KVA	
Dimensions	W600mm×D800mm×H600mm (Excluding monitor)	W765mm×D1,240mm×H570mm (Excluding monitor)
Weight	97kg	180kg (Main unit), 120kg (Stand*)

* Option ※ Above figures are subject to vary on the conditions. Please contact our sales reps for details.

External dimensions



⚠ Safety Precautions: To use the product safely, read and understand the contents of the instruction manual before use. ● Standards, specifications and appearance are subject to change due to continual improvements without prior notice.

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<http://www.sonysms.co.jp/>

The contents of this literature are as of April 2011