

# PWB Visual Inspection Machine

# SI-V200

## High speed high precision inspection machine

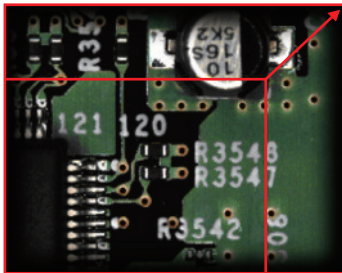
Equipped with excellent optical devices such as 5 mega pixel color CCD camera and 3 stage white ring light  
A variety of network systems to increase inspection efficiency and productivity is available



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## 5 megapixel full color CCD camera

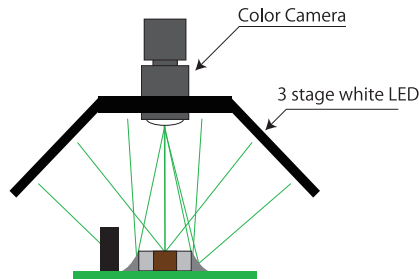
A 5 megapixel color CCD camera ensures wider screen view. It provides high speed and high accuracy at the same time.



<Full color CCD>

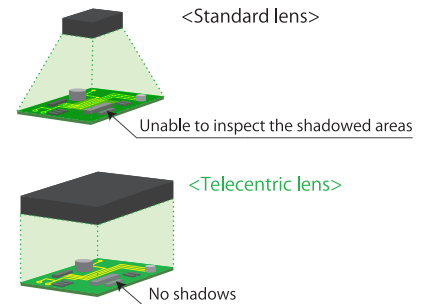
## 3 stage white ring light

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.



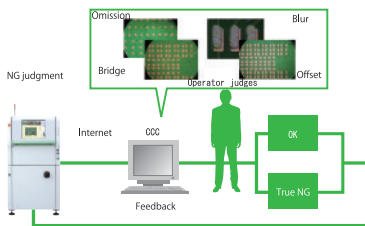
## Telecentric lens

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.



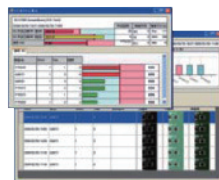
## CCC (Central Confirmation Control\*)

NG images obtained by multiple inspection machines are gathered into a central PC enabling a single operator to visually judge all the images alone. This prevents inconsistent judgements made by several operators.



## Real-time monitor\*

Quality related information obtained directly from the CCC via network gives managers real-time information on the status of quality. This helps them make quick decisions in the event of a problem.



## Supports max 710mm PWB\*

Max 710mm long size PWB can be inspected. This supports the larger PWB required for such as LED light and wide screen TV backlights.



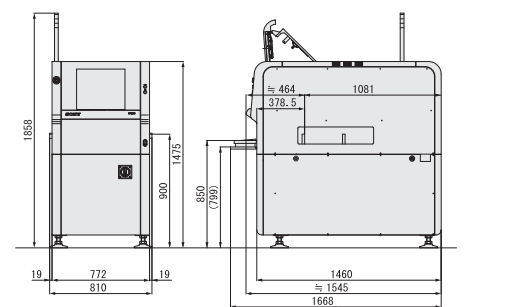
\*Option

## Specifications

PWB Visual Inspection Machine	
Model name	SI-V200
Machine type	In-line type inspection machine
PWB size	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	0.37sec/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	AC200V-240V ±10% 50/60Hz Max 1.5 k VA
Dimensions	W810mm×D1,545mm×H1,475mm ( Excluding signal tower )
Weight	1,300kg

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

## External Dimensions



Unit:mm

⚠ 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.

**Sony Manufacturing Systems Corporation**  
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The contents of this literature are as of April 2011