Solutions to improve quality
The "Eyes" of the Mounting Process

Placement Monitor

Ultra-small built-in camera at the machine head
Real-time acquisition of images during absorption and carrying save the traceability information

An age in pursuit of higher production quality for safer use

How does the Placement Monitor solve your problems?

< Without the Placement Monitor >

Long-term strategy implementation

< When equipped with the Placement Monitor >

Defect caused by bad soldering
Defect caused
Misplacement defect
Chip launching mistakes

Able to trace produced substrate
Time and date
Cause of the defect
Nozzle number
Feeder line number
Head number
Bar code (option)

Real causes
Component roll
Chosen nozzle mistake
After absorption
Before placement
Fluff

image analysis
Help to improve the production quality of miniature components

By comparing the images captured before and after component placement, it is possible to judge whether the component is present or absent.

Specifications

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</thead>
<tbody>
<tr>
<td>Camera field of view</td>
<td>15,0×7,5mm</td>
<td>10,3×7,4mm</td>
<td>10,3×6,1mm</td>
<td></td>
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<tr>
<td>Estimated data size of captured images</td>
<td>Approximately 200Kbyte</td>
<td>Approximately 50Kbyte (Monochrome)</td>
<td></td>
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<tr>
<td>Component presence of absence judging</td>
<td>Component size</td>
<td>Minimum 0.4×0.2mm — Maximum 6.0×5.0mm</td>
<td></td>
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<td>Component height</td>
<td>Max. 3.0mm</td>
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</table>

Computer Specifications

- CPU: 2.66GHz or faster (Intel Core i7 Quad or more)
- Memory: 4GB or more
- HDD Capacity:
  - C drive: 750GB or more (SATA)
  - D drive: 2.25TB or more (SATA, RAID 0)
- Create C drive and D drive; create the data storage area in D drive (Note) \(^*^) \(^*^)
- Motherboard: Intel X58 chipset or the equivalent
- DVD-ROM Drive: 1 or more unit
- USB port: 1 port or more
- LAN port: 1 port or more
- Monitor resolution: 1920×1080 pixels or greater
- Expansion slot: 1 PCI bus slot \(^*^)

OS:
Microsoft Windows 7 Professional 32-bit

\(^*^)
1. Expansion slot (D) cannot be executed.
2. HDD capacity of the recommended specifications is approximately 1.3M Images (1bit) (equivalent to 2.6M components).
3. An IEEE1394a expansion card supported by JUKI is to be connected to the slot for communication with another equipment.
4. It is a total capacity when taking four images with four placement monitors installed.
5. Full image mode is selectable; feedback to contact us for more details.
6. The PC used with the Placement Monitor is not included.
7. The number of attachable Placement Monitors and the number of required PCI(H)I may vary by model.
8. Microsoft Windows is a registered trademark of Microsoft Corporation in the United States and other countries.
9. Intel Core is a trademark of Intel Corporation in the United States and other countries.

**Please refer to the product specifications for details.**

http://www.juki.co.jp

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