Please refer to the specification booklet for details.

Values such as cycle time and accuracy may vary depending on operating conditions.

Placement tact time, inspection time and accuracy values may

<table>
<thead>
<tr>
<th>Component</th>
<th>Component dimensions</th>
<th>Placement accuracy</th>
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</thead>
<tbody>
<tr>
<td>Stick, Tray</td>
<td>L 50 mm × W 50 mm to L 150 mm × W 216 mm</td>
<td>± 40 µm/chip ± 30 µm/QFP</td>
</tr>
<tr>
<td>Dual-lane mode</td>
<td>L 50 mm × W 50 mm to L 350 mm × W 216 mm</td>
<td>± 50 µm/QFP ± 30 µm/QFP</td>
</tr>
<tr>
<td>Single-lane mode</td>
<td>L 50 mm × W 50 mm to L 150 mm × W 216 mm</td>
<td>± 30 µm/QFP</td>
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<th>Model ID</th>
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<th>Inspection head</th>
<th>Inspection number</th>
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<tbody>
<tr>
<td>NPM-5EF</td>
<td>NM-EJMP4A</td>
<td>2D inspection head</td>
<td>4.5 s</td>
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<tr>
<td></td>
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<td>(Dual inspection head)</td>
<td>4.5 s</td>
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High area productivity with total mounting lines
Higher productivity and quality with printing, placement and inspection process integration.

Configurable modules allow flexible line setup
Head location flexibility with plug-and-play functions.

Comprehensive control of lines, floor and factory with system software
Production plan support through line operation monitoring.

System software
Placement height control system
Operation navigation system
APC system
Component Verification option
Automatic changeover option
Host communication option

Total line solution
Smaller-footprint modular lines by installing inspection heads.
Provides high-quality manufacturing with in-line inspection
- U-nozzle head
- 2-nozzle head
- Adhesive dispensing head
- Print inspection
- Placement inspection

Multi-Production Line
Mixed production with different type substrates on the same line is also provided with the dual conveyor.
Advanced squeegee prevents the solder from leaking out of the printing area. It also reduces the waste solder and prevents the mask from being damaged with deteriorated solder.

Adjust the block according to the board size.
In-line inspection achieves high-quality mounting

INSPECTION HEAD

Panasonic proprietary high-quality production system

Post-printing inspection (SPI)*

3D inspection head

APC System
Feedback to Screen printers
- Pointing position correction
- Checking of alignment
- Stop direction due to sudden defect

Feedforward to mounting heads
- Solder position data (APC)
- PCB component position data
- Block, Discrepancy mark data communications

Feedforward to AOI
- *APC component placement position data

Post-printing inspection
- Standard mounting inspection
- Alternate mounting inspection
- Quality inspection of soldered cases

Mounting component inspection
- *Mounting position check
- Pre-mounting foreign object inspection
- Post-mounting foreign object inspection of SCSA

Data Creation System
- Software packages include multi-CAD import, component library registration, assignment, simulation functions

NPM-DGS (Model No. NM-EJS9A)
- PT200 (O.C.)
- CM Line
- LNB

High-quality mounting

Prevent setup errors during changeover/Provides an increase of production efficiency

High productivity

Supporting changeover (production data and size width adjustment)
- Can eliminate line lot

Component verification option

- Provides setup errors during changeover through verifying the NPM download data and output data
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Automatic changeover option

- Can changeover production data and size width adjustment
- Can eliminate line lot

Off-line setup support station
- Can changeover production data and size width adjustment
- Can eliminate line lot

Host communication option
- Can changeover production data and size width adjustment
- Can eliminate line lot

Open interface
- Can changeover production data and size width adjustment
- Can eliminate line lot

* Indicates a feature that is optional or under development.