



**Fully automated printing process to ensure increased production time and production of non-defective items and, by means of that, to maximize Overall Equipment Effectiveness (O.E.E).**

## **NPM-GP/L**

The fully automated printing solution is part of the "Autonomous Factory" Concept - a factory that immediately responds to every situation and continues to evolve autonomously. Ensuring the production of non-defective items through the integrated control of autonomous uninterrupted mounting lines and floors independent of any human intervention and judgment. Features: Increased Production Time: (1) Reduces machine availability losses through automation of operations required for model changeover. (2) Reduces machine performance losses through automation of operations involved in production. (3) Increases production time by monitoring machine conditions and thereby performing maintenance at right times. Maintenance of printing quality at a consistently high level: Reduces losses due to defective items through various functions that actualizes consistently high-quality printing capable of responding to any changes in 5M. Support for line solution: Realizes high-quality line production through M2M

### **Key Features**

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New operation panel

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Moveable Top / side clamper

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Attack angle variable squeegee

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Curved edge high filling pressure squeegee

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Process Control & traceability

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PCB pickup blower

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APC-5M Option

NPM-GP/L

<https://ap.connect.panasonic.com/sg/en/npm-gpl>

<b>Model Number</b>	NM-EJP2B
<b>PCB dimensions (mm)</b>	L 50 mm × W 50 mm to L 510 mm × W 510 mm
<b>PCB exchange</b>	12.0 s including transport , PCB positioning , PCB recognition , printing , each cleaning operation (When PCB = L 250 mm × W 150 mm)
<b>Repeatability</b>	2 Cpk ± 3.8 μm ± 3σ (Panasonic-specified condition)
<b>Printing Accuracy</b>	2 Cpk ± 15.0 μm ± 6σ (Panasonic-specified condition)
	*CeTaQ measuring machine used
<b>Screen frame dimensions</b>	L 736 mm × 736 mm L 750 mm × 750 mm L 650 mm × 550 mm L 600 mm × 550 mm L 550 mm × 650 mm L 584 mm × 584 mm L 736 mm × 584 mm L 584 mm × 736 mm
<b>Electric Source</b>	Single-phase AC 200 V ± 10 V / AC 220 V ± 10 V / AC 230 V ± 10 V / AC 240 V ± 10 V (Taps can be changed), Max.3.3 kVA
<b>Pneumatic Source</b>	0.5 Mpa, 30 L / min (A.N.R.) (motor vacuum specs), 400 L / min (A.N.R.) (ejector vacuum specs)
<b>Dimensions</b>	W 1 580 mm × D 1 800 mm × H 1 500 mm
<b>Mass</b>	1 750 kg