Panasonic CONNECT



The NPM-WX, the latest generation of the NPM platform, is the perfect solution for the expanding and digital future in electronics assembly.

NPM-WX

The NPM-WX represents the next generation of Panasonic's mounting production concept "Smart manufacturing". The platform represents higher line throughput and improved quality at lower cost thanks to integrated automated systems. APC system and automatic recovery are integrated to provide autonomous line control. The incorporated floor-management system and remote-operation option improve utilisation combined with lower labour costs. Feeder set-up and component supply navigation systems are available, helping to reduce the work variations. The NPM-WX can handle a wide variety of components, from 0402 chip components up to large components with a max. size of 150x25x40 mm. Parts can be supplied from tape, stick or tray-feeder. Feeder-cart flexibility can be provided by selecting the existing 30-input feeder cart or inserting two 17-inpu

Key Features

86000 cph with up to 136 feed reels

Ready for line automatization

Automatic recovery options

Lowest cost of ownership (TCO) with maintenance services

Advanced feeder setup and component supply navigation



NPM-WX

https://latam.connect.panasonic.com/bo/en/products/smart-factory-solutions/npm-wx

Model Number NPM-WX: NM-EJM9D PCB dimensions (mm) Single-lane mode Batch mounting: L 50 × W 50 ~ L 750 × W 610 2-position 50 × W 50 ~ L 350 × W 610 Dual-lane mode Dual transfer (Batch): L 50 × W 50 300 Dual transfer (2-position): L50 × W 50 ~ L 350 × W 300 Single transfer (W 50 ~ L 750 × W 590 Single transfer (2-position): L50 × W 50 ~ L 350 × W 50 ~ L 350 × W 50 P L 350 ×	
50 × W 50 ~ L 350 × W 610 Dual-lane mode Dual transfer (Batch): L 50 × W 5 300 Dual transfer (2-position): L50 × W 50 ~ L 350 × W 300 Single transfer (W 50 ~ L 750 × W 590 Single transfer (2-position): L50 × W 50 ~ L 350 × W 5 Electric Source NPM-WX: 3-phase AC 200, 220, 380, 400, 420, 480 V 3.0 kVA Pneumatic Source Min.0.5 MPa, 200 L /min (A.N.R.) Dimension W 1 410 × D 2 570 × H 1 444 Mass NPM-WX: 2 740 kg (Only for main body: This differs depending on the option configuration.) Placement Head NPM-WX: 1 head on each side (front, rear) Stick NPM-WX: Front rear 17-slot feeder cart specifications: Max. 32 product type feeder) Tray One side tray specifications: Max.24Front-rear tray specifications: Max.48 Placement Head max Speed Lightweight 16-nozzle head V2 (Per head): 43 000 cph (0.084 s / chip)Lightw	
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Placement Head max Speed Lightweight 16-nozzle head V2 (Per head): 43 000 cph (0.084 s / chip)Lightw	
	veight 8-
nozzle head (Per head): 23 000 cph (0.155 s / chip)4-nozzle head 3-nozzle h	nead V2 (Per
head):8 400 cph (0.429 s / chip)7 800 cph (0.462 s / QFP feeder) 7 100 cph (0.507 s / QFP
tray)3-nozzle head V2 (Per head)9 400 cph (0.383 s / chip)7 300 cph (0.493 :	s / QFP
feeder)6	
Placement Head Placement Accuracy Lightweight 16-nozzle head V2 (Per head): ±25 μm/ chipLightweight 8-nozz	le head (Per
(Cpk≥1) head): ±25 µm/ chip±40 µm/QFP□12 mm Under±25 µm/QFP□12 mm ~□3:	2 mm4-nozzle
head 3-nozzle head V2 (Per head):±20 μm/ QFP3-nozzle head V2 (Per head)	±20 μm/ QFP
Placement Head Component Lightweight 16-nozzle head V2 (Per head): 0201 chip / 03015 chip 0402 chi	p~ L 6 × W 6 ×
$ \begin{tabular}{ll} \textbf{Dimensions (mm)} & T 3Lightweight 8-nozzle head (Per head): 0402 chip \sim L 45 \times W 45 \times T 12 or \sim L 45 \times W 45 \times T 12 or \sim L 45 \times W 45 \times T 12 or \sim L 45 \times W 45 \times T 12 or \sim L 45 \times W 45 \times	L 100 × W 40 ×
T 124-nozzle head 3-nozzle head V2 (Per head):0603 chip ~ L 120 × W 90 ×	T 40 or L 150
× W 25 × T 403-nozzle head V2 (Per head)0603 chip ~ L 120 × W 90 × T 40 o	r L 150 × W 25
× T 40	
Component Supply Taping Tape: $4 \sim 56 / 72 / 88 / 104$ mm Front rear 17-slot feeder cart specifications	
product types (4, 8mm tape)	: Max. 136