

CUTTING EDGE MODULAR MOUNTER

HM520NEO

HM520 NEO is a high-performance mounter with both speed and precision. It is one of the best machine in its class with productivity up to 85,000 CPH.



Model Name			HM520NEO	
Machine Type			High Speed	Multi Function
Alignment			Fix Camera	
The Number of Spindles			20 Spindles x 2 Gantry	6 Spindles x 2 Gantry
Placement Speed (Optimum)			85,000 CPH	60,000 CPH
Placement Accuracy	Chip		± 25 μm @ Cpk ≥ 1.0	± 40 μm @ Cpk ≥ 1.0
	BGA		—	± 30 μm @ Cpk ≥ 1.0
Component Range	Size		0201 ~ □6 mm	0402 ~ □55 mm
	Max. Height		2.1 mm	15 mm
PCB Size (mm)	Min.		L50 x W50	
	Max.	Single Mode	~ L510 x W580, ~ L750 x W580 *	
		Dual Mode	~ L510 x W310, ~ L750 x W310 *	
PCB Thickness (mm)			0.3 ~ 4.2	
Feeder Capacity (8 mm Standard)			80 ea	
Utility	Power		3 Phase AC 200/208/220/240/380/415V ± 10%	
			Max. 4.2kVA	
	Air Consumption		0.5 ~ 0.7 Mpa	
Weight (H900 mm Standard)			100 NI/min	
External Dimension (Standard)			Approx. 1,609 kg	
			L920 x D2,370 x H1,930 mm	

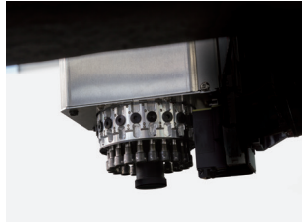
* For the standard 2 belt type, if the PCB length exceeds 400mm, split placement is performed twice (for 1 belt type, 460mm PCB is applied)

※ The specification in this catalog is based on value measured at an optimized condition. The result may vary depending on the operating condition.

High Productivity

Increases production speed with improved motion.

Possible to achieve 85,000 CPH with an improved pick-up and placing and increases line productivity with increased conveyor transfer speed.



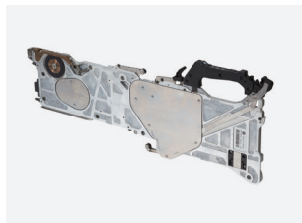
High-speed & pixel camera

Possible to support high speed and precision placement of Mini LED as well as microchips (0402, 0603) for mobile phone PCBs with a high definition camera.



Increases component feeding speed with an HM 8mm B feeder.

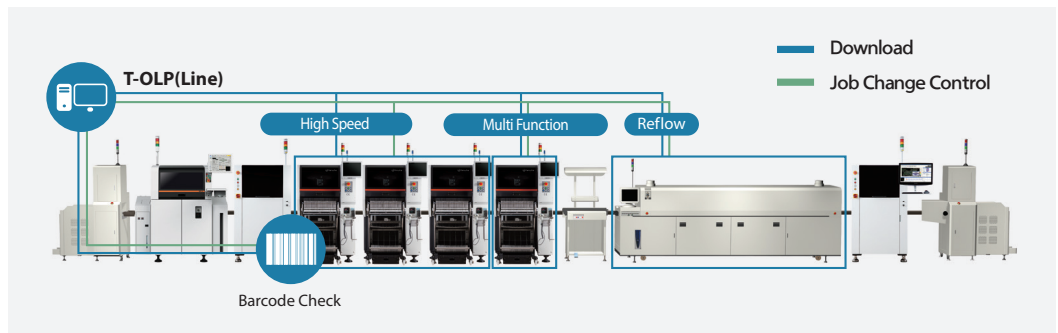
Increases feeding speed by 23% compared to the conventional HM feeders



Flexible Production

Supports automatic model change (T-OLP PRO)

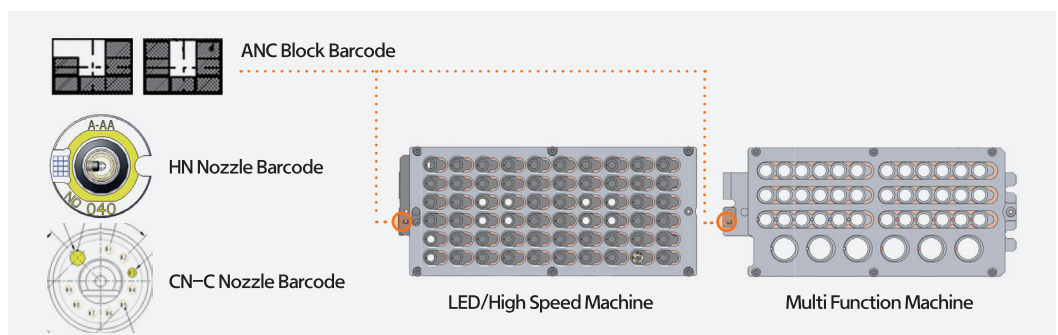
Possible to reduce JOB changing time with an automatic production sequencing program. It is possible to reserve production by simply scanning the PCB or the model barcode.



Easy Operation

Automatic rearrange of ANC and nozzles.

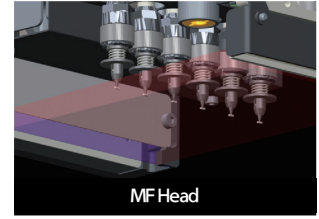
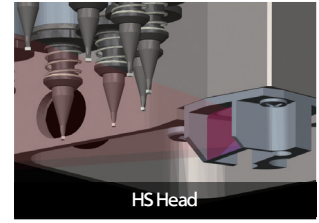
Prevents a user from arranging the nozzles incorrectly by recognizing the ANC and nozzle barcodes with a camera. Also, it is possible to reduce model changing time by arranging nozzles automatically according to the arrangement in the PCB program.



High Reliability

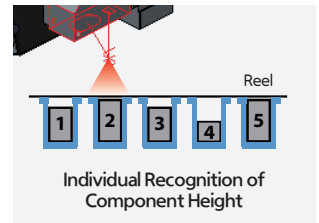
The Side View camera prevents non-insertion and defective pick-up and placement.

By checking nozzles and components, it is possible to prevent non-insertion of a component and automatic correction on the component height deviation.



Automatically corrects pick-up and placement coordinates as well as height.

Automatically corrects the difference in placement height using pick-up and placement coordinates and the height sensors with the offset at each angle.



• The specification in this catalog is actual value measured under designated condition. These are subject to change without prior notification.
 • The above value may vary depending on operating condition. For inquiry, please contact our sales representative or visit our website.

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