

Mirae Mx400 Series

High Productivity Application per Unit Area



The Mx400 Series machines have a dual gantry structure based on two 6 axes head. Dual lane conveyor enables two PCBs to work simultaneously for improving productivity. Their economical compact size ensures maximum productivity per unit area.

Mx400

Dual-gantry structure with 2 x 6 axes high-speed head.

Mx400P

Dual-gantry structure with 6 axes high-speed head and 3 axes precision head.

Mx400L

Wide Board Capability and extra feeder slots.

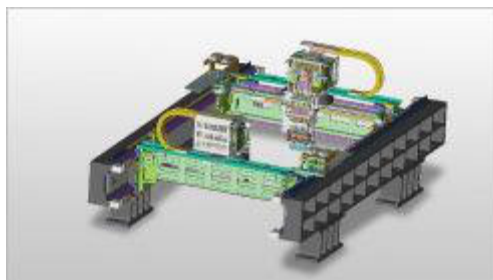
Mx400LP

Odd shape components mounting with precision module head.

Mx400LPP

Odd shape components mounting with two precision heads.

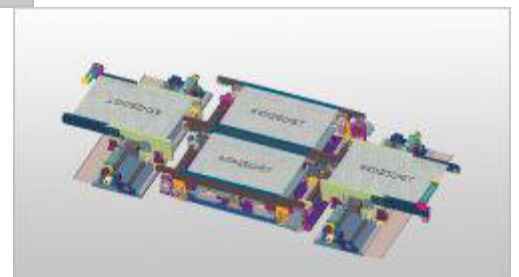
Automatic Nozzle Changer
for Precision Heads



Dual Conveyor to Mount
Two PCBs Simultaneously



Drives Two Gantries
Simultaneously



Technical Specifications

Item		Mx400	Mx400P	Mx400L	Mx400LP	Mx400LPP
Optimal Condition	Chip (1005)	46,000 CPH (0.078 sec/chip)	40,000 CPH (0.090 sec/chip)	46,000 CPH (0.078 sec/chip)	40,000 CPH (0.090 sec/chip)	25,000 CPH (0.144 sec/chip)
IPC-9850 Standard CPH	Chip (1005)	42,000 CPH (0.086 sec/chip)	31,000 CPH (0.116 sec/chip)	42,000 CPH (0.086 sec/chip)	31,000 CPH (0.116 sec/chip)	22,000 CPH (0.1646 sec/chip)
	QFP 208	N/A	3,500 CPH	N/A	3,500 CPH	7,000 CPH
Placement Accuracy	Chip (3 σ)	0.050mm				N/A
	QFP (3 σ)	N/A	0.025mm	N/A	0.025mm	0.025mm
Number Of Heads		6 Module + 6 Module	6 Module + 3 Precision	6 Module + 6 Module	6 Module + 3 Precision	3 Precision + 3 Precision
Maximum Component Height		Module: 10mm	Module: 10mm Precision: 20mm	Module: 10mm	Module: 10mm Precision: 20mm	Precision: 20mm
Component Range (FOV 24mm)	Single FOV	0603 ~ 24*18mm				N/A
Component Range (FOV 36mm)	Single FOV	N/A	42*32mm	N/A	42*32mm	42*32mm
	Multiple FOV	N/A	~50mm, 90*30mm	N/A	~50mm,90*30mm	~50mm,90*30mm
Minimum Lead Pitch	FOV 24mm Camera	0.30mm				N/A
	FOV 36mm Camera	N/A	0.38mm	N/A	0.38mm	0.38mm
PCB Size (L x W x H)	Minimum	50 x 50 x 0.4mm				
	Single Lane	410 x 460 x 5.0mm / 680 x 460 5.0mm(Option)		680 x 460 x 5.0mm / 1,200 x 460 x 5.0mm(Option)		
	Dual Lane	410 x 250 x 5.0mm / 680 x 250 5.0mm(Option)		680 x 250 x 5.0mm / 1,200 x 250 x 5.0mm(Option)		
	Weight (max.)	2kg				
Conveyor Width Adjustment		Automatic Width Adjustment				
Feeder Slot	Standard	80EA (40 x 2)		100EA (50 x 2)		
	Option 1	N/A	40EA / TF5	N/A	50EA / TF5	
	Option 2					
Monitor & Operation Panel		Front and Rear				
Power Requirements		3 Phase 200/208/220/230/240/380/400/415/430(V), 50/60Hz				
Power Consumption		Approx. 5KVA				Approx. 3KVA
Air Pressure		0.54Mps				
Air Consumption		Approx. 300NI/min	Approx. 240NI/min	Approx. 300NI/min	Approx. 240NI/min	Approx. 200NI/min
Weight		Approx. 1,550Kg		Approx. 1,700 Kg		
Dimensions (L x W x H), Cover only		1,200 x 1,900 x 1,500mm		1,450 x 1,900 x 1,500mm		

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