

Mirae Mx100 Series

Entry Level Mounter



The Mx100 Series machines have a single gantry structure based on 4 axes head. Their economical compact size ensures maximum productivity per unit area.

Mx100

Four axes, high speed head which improves productivity.

Mx100P

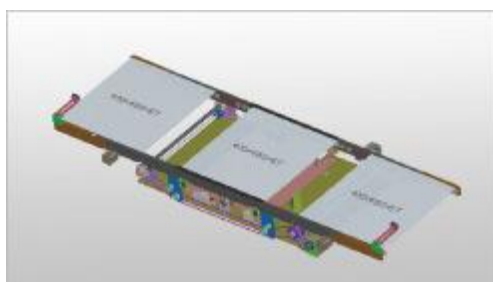
Two axes precision head to ensure mounting of variable components.

Mx100LP

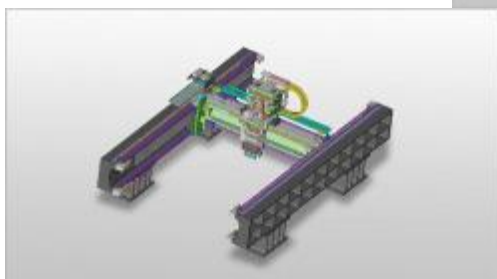
Two axes precision head to ensure mounting of variable components.

Large board available up to 680 x 460mm

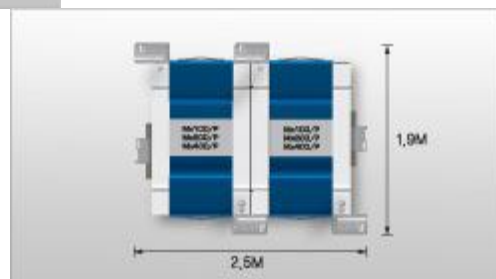
Dynamic Single Gantry with
Minimized Vibration



Minimized Space of Line
Configuration



Single Conveyor with
Soft Stop/Start and
Minimized PCB Waiting
Time



Detech Head Office

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Technical Specifications

Item		Mx100	Mx100P	Mx100LP
Optimal Condition	Chip (1005)	16,000 CPH (0.225 sec/chip)	9,200 CPH (0.391 sec/chip)	
IPC-9850 Standard CPH	Chip (1005)	14,000 CPH (0.257 sec/chip)	8,000 CPH (0.450 sec/chip)	
	QFP 208	N/A	2,400 CPH	
Placement Accuracy	Chip (3σ)	0.050mm		
	QFP (3σ)	N/A	0.025mm	
Number Of Heads		4 Module	2 Precision	
Maximum Component Height		Module: 10mm	Precision: 20mm	
Component Range (FOV 24mm)	Single FOV	0603 ~ 24*18mm		
Component Range (FOV 36mm)	Single FOV	N/A	42*32mm	
	Multiple FOV	N/A	~□ 50mm, 90*30mm	
Minimum Lead Pitch	FOV 24mm Camera	0.30mm		
	FOV 36mm Camera	N/A	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 x 5.0mm
	Dual Lane	-		
	Weight (max.)	2kg		
Conveyor Width Adjustment		Manual Width Adjustment / Automatic Width Adjustment (Option)		
Feeder Slot	Standard	40EA (40 x 1)		50EA (50 x 1)
	Option 1	80EA (40 x 2)		100EA (50 x 2)
	Option 2	N/A	40EA / TF5	50EA / TF5
Monitor & Operation Panel		Front Only		
Power Requirements		3 Phase 200/208/220/230/240/380/400/415/430(V), 50/60Hz		
Power Consumption		Approx. 3KVA		
Air Pressure		0.54Mps		
Air Consumption		Approx. 130NI/min	Approx. 90NI/min	Approx. 90NI/min
Weight		Approx. 1,200 Kg		
Dimensions (L x W x H), Cover only		1,200 x 1,900 x 1,500mm		

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