

Mirae Mx800 Series

Dual Lane Conveyor



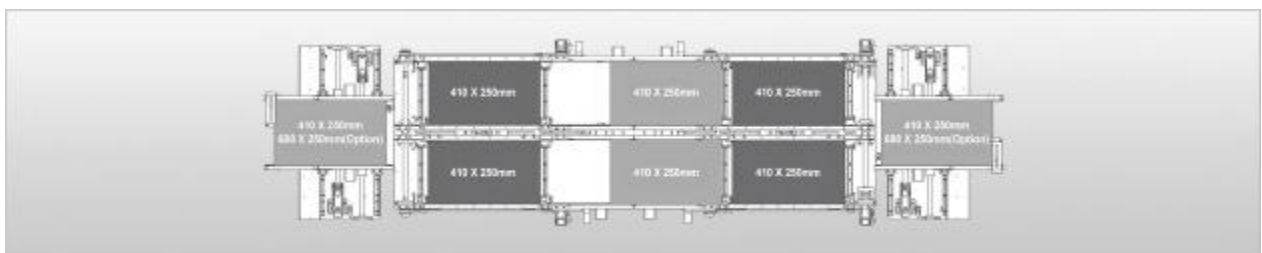
The Mx800 Series machines have a four gantry structure based on 6 axes head. They have dual lane conveyors which enables four PCBs to work simultaneously for improving productivity.

Mx800

Four-gantry structure with 4 x 6 axes high-speed head

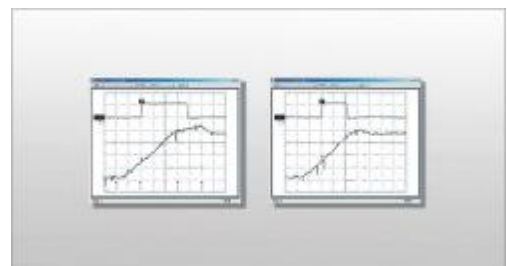
Mx800P

Four-gantry structure with 2 x 6 axes high-speed head and 2 x 3 axes precision head



Dual Conveyor Enables 4 PCB's to Work Simultaneously.

Real Time Monitoring and Adjusting Vacuum Pressure of Nozzles



Detech Head Office

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Technical Specifications

Item		Mx800	Mx800P
Optimal Condition	Chip (1005)	92,000 CPH (0.039 sec/chip)	71,000 CPH (0.051 sec/chip)
IPC-9850 Standard CPH	Chip (1005)	80,000 CPH (0.045 sec/chip)	62,000 CPH (0.058 sec/chip)
	QFP 208	-	7,000 CPH
Placement Accuracy	Chip (3 σ)	$\pm 0.065\text{mm}$	
	QFP (3 σ)	-	$\pm 0.025\text{mm}$
Number Of Heads		6 Module x 4	6 Module x 2 + 3 Precision x 2
FOV 24mm Area Camera	Single FOV	0603 ~ 24*18mm / 0402 option	
	Component Types	Chips, Can Caps, Small ICs	
FOV 36mm Area Camera	Single FOV	-	~32mm Square (42x32mm Rectangle)
	Multiple FOV	-	~50mm Square (90x30mm Rectangle)
	Component Types	-	QFP, BGA, Connectors
Minimum Lead Pitch	FOV 24mm Camera	0.30mm	
	FOV 36mm Camera	-	0.38mm
Board Size	Minimum (L x W x T)	50 x 50 x 0.4mm	
	Single Place (L x W x T)	410 x 460 x 5.0mm (Option: 680 x 460 x 5.0mm)	
	Dual Place (L x W x T)	410 x 250 x 5.0mm (Option: 680 x 250 x 5.0mm)	
	Weight (max.)	2.0kg	
Board Transfer	Transport Features	Manual Board Width Adjust	
Maximum Number of Tape Feeders (8mm)		160EA (40 x 4)	
Component Range	Reel Types	8 (2P, 4P), 12, 16, 24, 32, 44, 56, 72, 88mm	
	Tray	-	TFT (20 Tray Feeder Unit)
	Others	Vibration Stick Feeder, Manual Tray	
Power Requirements		3 Phase 200/208/220/230/240/380/400/415/430(V), 50/60Hz	
Power Consumption		Approx. 10KVA	
Air Pressure		0.54Mps	
Air Consumption		Approx. 600 NI/Min	Approx. 480 NI/Min
Weight		Approx. 3,100Kg	
Dimensions (L x W x H), Cover only		2,325 x 1,900 x 1,500mm	

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