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INTRODUCTION



InterElectronic Hungary Ltd. offers equipments, machines and different materials (ESD) of different production technologies (SMT/THT/LED). Including high quality, special request fulfilling soldering machines, devices, tools, instruments and materials for the electronic industry and services.

SERVICES

Our each and every product has a warranty granted by the InterElectronic Hungary Ltd. For more complex appliances our company offers a well-needed training for set up and usage. We grant the repair of all of the products traded by our company during and after the warranty period. As well as we guarantee the continuous supply of accessories and instruments.

DEMONSTRATON

In case if any of our products aroused your interest the InterElectronic Hungary Ltd. would be glad to visit your company and hold a presentation of the product of your interest. As far as possible we serve you by bringing demo devices with us. In the most cases of our products we are proud possessors of references nation-wide. Major machines also could be observed at our partners' site.

PRICE LIST

Most of the prices of our products can be requested on our website and will be sent via email to you. In case of special and more complex machines the prices are given after consultation individually through a price offer. If you are interested in more information or user manuals of our products we recommend you to visit our website (www.interelectronic.com), which is updated continuously with professional information. We also recommend you to visit our office, where you can purchase any of the needed devices and spare parts of the product of your interest.

ORDER/SHIPPING

Our soon to be partners are welcomed to be helped via telephone, fax or e-mail. We use different ways of delivery, depending on the preference of our partner. We can deliver your purchased product by ourselves, by freight or courier service. The way of delivery might be negotiated previously. We offer you cash on delivery nation-wide!

MIRAE SMT MOUNTER - MR SERIES & MX SERIES

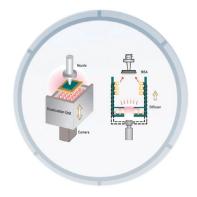
Mirae's Complete SMT Solution



Mirae's Complete SMT Solution



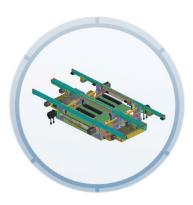
Design Ergonomic system design



Vision System
Optimizing component
placement by utilizing advanced recognition algorithm



4th Generation Linear Motor Apply linear motor on X-Y Axis, allowing high-speed, low-noise, semi-permanent and more precision operation



Conveyor System
Single and dual conveyor for higher productivity



eX Feeder
Faster and more accurate
3rd generation Feeder



Software
Optimal solution for maximizing job operation

MR20 Series

- · Advanced mounter with a flexible placment system and improved productivity
- · Single Gantry & Single Conveyor

► MR20L

- 6 axis modular heads for high productivity
- 2 axis precision head for all-in-one function

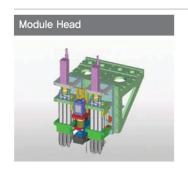
► MR20LP

- 4 axis precision heads for better flexibility
- Improving responsiveness to specialist components by maximum height of 25mm



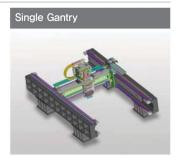
MR20 Series Specifications.

	MODEL		MR20L	MR20LP		
CPH	H Optimal		27,500	19,500		
	Head		6M(2P) 4P			
PCB Size (mm)	Cinala	Standard	700 x 5	10 x 5.0		
LxWxT	Single	Option (2 Step)	1,200(950)	x 510 x 5.0		
		Standard	60EA			
Feeder	Slot	Option1	120EA	(60x2)		
Option2		60EA / TR	F5 + 20EA			
Dimer	nsion (mm) L x W	x H	1,490 x 2,090 x 1,500 (Cover)			









MR40 Series

- · Higher productivity per unit area with improved real productivity
- · Dual Gantry & Dual Conveyor for MR40L and MR40LP
- Dual Gantry & Single Conveyor for MR40LS and MR40LSP

MR40I

- 6 axis modular heads on each gantry for high productivity
- 2 axis precision heads on each gantry for all-in-one funtion

► MR40LS

- 6 axis modular heads and 2 axis precision heads on each gantry for high productivity
- Single conveyor with large board available

► MR40LP

- 4 axis precision heads on each gantry optimizing high-speed production for odd-shape component(s)
- Improving responsiveness to specialist components by maximum height of 25mm

► MR40LSP

- 4 axis precision heads on each gantry optimizing high-speed production for odd-shape component(s)
- Single conveyor with large board available

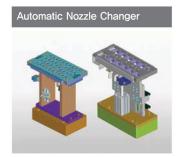


MR40 Series Specifications.

	MODEL		MR40L	MR40LS	MR40LP	MR40LSP		
CPH	CPH Optimal			,000	39,000			
Head			6M(2P)	+ 6M(2P)	4P	+ 4P		
PCB Size (mm)	Single	Standard	700 x 460 x 5.0	700 x 510 x 5.0 700 x 460 x		5.0 700 x 510 x 5.0		
LxWxT	Dual	Standard	700 x 250 x 5.0	_	700 x 250 x 5.0	-		
Fandau	Clat	Standard	120EA (60x2)					
Feeder Slot Option		60EA / TF5 + 15EA						
Dime	Dimension (mm) L x W x H			1,490 x 2,090 x 1,500 (Cover)				









Mx200 Series

- · Cost effective mounter with flexibility
- · Single Gantry & Single Conveyor
 - ► Mx200
 - 6 axis modular heads for productivity
 - ► Mx200P
 - 4 axis modular heads & 1 axis precision head
 - ► Mx200L
 - Large Board available up to 680 x 460mm
 - ► Mx200LP
 - Large Board available up to 680 x 460mm

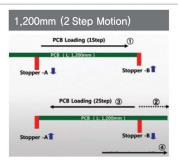


Mx200 Series Specifications.

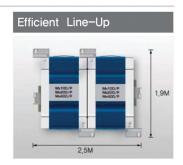
	MODEL		Mx200	Mx200P	Mx200L	Mx200LP	
CDU	Opt	imal	23,000 17,000		23,000	17,000	
CPH	IPC-9850		21,000	15,000	21,000	15,000	
Head			6M	4M +1P	6M	4M + 1P	
PCB Size (mm)	Cinala	Standard	410 x 4	410 x 460 x 5.0		60 x 5.0	
LxWxT	Single	Option	680 x 4	60 x 5.0	1,200 x 460 x 5.0		
Feede	Feeder Slot Standard		80EA	(40x2)	100EA (50x2)		
Dime	Dimension (mm) L x W x H			900 x 1,500	1,450 x 1,900 x 1,500		

* Board Size : L-Type Option : 750mm (L)









Mx400 Series

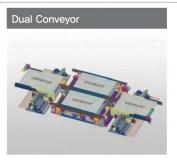
- Realizing maximum productivity per unit area
- · Dual Gantry & Dual Conveyor
 - ► Mx400 & Mx400L
 - 6 axis modular heads on each gantry optimizing the production of small component(s)
 - ► Mx400P & Mx400LP
 - 6 axis modular heads on front gantry and 3 axis precision heads on rear gantry allowing high quality and flexiblity.



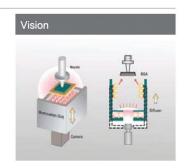
Mx400 Series Specifications.

	MODEL		Mx400	Mx400P	Mx400L	Mx400LP	
CPH	0	ptimal	46,000	40,000	46,000	40,000	
СРП	IPO	C-9850	42,000	31,000	42,000	31,000	
	Head		6M+6M	6M+3P or 3P+3P	6M+6M	6M+3P or 3P+3P	
	Cinala	Standard	410 x 460 x 5.0		680 x 460 x 5.0		
PCB Size (mm) L x W x T	Single	Option (2 Step)	680 x 460 x 5.0		1,200 x 460 x 5.0		
	Dual	Standard	410 x 2	410 x 250 x 5.0		50 x 5.0	
Fanda	Standard		80EA (40x2)		100EA (50x2)		
reede	Feeder Slot Option		80EA	(40x2)	50EA / TF	-5 + 20EA	
Din	Dimension (mm) L x W x H			900 x 1,500	1,450 x 1,900 x 1,500		









Software System



Standard Machine Software

Mirae Machine Software provides an easy to use GUI (Graphic User Interface) and efficient programming functions to manage high volume and complex production. This package consists of the machine control software, real—time vision software, GUI software and optimization software. This software package is installed on the machine to enable independent programming and production on a machine, (Component database editing, optimization of placement sequences, and production.) Mirae machine software is not only easy to use, but also designed to maximize flexibility and mass production. Software works on MS Windows environment,



Option1 Feeder BarCode System

Barcode verification support for an error free feeder loading process. The barcode system ensures an error free replenishment of empty reels during production.



Option2 LED Rank Control System

Classifying LED components based on designated rank type and quantity along with barcord system for BLU (Back Light Unit) application



Option3 Offine Editor with Line Balance

Mirae Offline Editor Software is designed to program multiple inline machines, and provides high-quality programming functions to reduce total programming time and get the best efficiency.

Functions included in the package:

- Line balancing software efficiently allocates components on multiple machines
- Common feeder setup function optimizes same feeder configuration for family boards



Option4 Offline Feeder Setup with Trolley

The key feature of Mirae Offline Feeder Set up software is to minimize the job change over time and feeder replacement time during production. The intuitive GUI guides operators to setup feeders on the Offline Feeder Setup software without stopping the machines, Inline barcode guides to load feeders into the right feeder slots that ensures error free PCB assembling.



Option5 Mirae Management Software

Mirae management software is designed to manage the product line and efficient post management. Functions included in the package,

- MLS(moisture Sensitivity Management)
- Component Validation system
- Traceability system
- Line Monitoring system

Reel Tape Feeder

eX-Feeder



- · Electrical feeder with motor & gear
- · Automatic on the machine feeder calibration
- · Higher productivity with faster feeding speed (60 ms)
- · Compatible pitch on 8mm feeder: 2mm & 4mm
- · 9 programable feeding speeds
- · Discharged plastic cover tape storage
- · Easy Reel Cover handling
- · Auto Plug-in & Slide Guide
- · Reverse and forward buttons
- · Slot number and pitch display

No	PH. 914	[Pitch, mm]												Slot	
INO		2	4	8	12	16	20	24	28	32	36	40	44	(mm)	3101
1	8mm	0	0											12	1
2	12mm		0	0	0	0	0	0	0	0				23	2
3	16mm		0	0	0	0	0	0	0	0				27	2
4	24mm		0	0	0	0	0	0	0	0				35	3
5	32mm		0	0	0	0	0	0	0	0	0	0	0	43	3
6	44mm		0	0	0	0	0	0	0	0	0	0	0	55	4
7	56mm		0	0	0	0	0	0	0	0	0	0	0	67	5
8	72mm		0	0	0	0	0	0	0	0	0	0	0	83	6
9	88mm		0	0	0	0	0	0	0	0	0	0	0	99	7

C-Feeder



- · Electrical feeder with motor & CAM
- Self-diagnosis
 Error code, feeder address and pitch are displayed
 Alarm notification for missing components
- · Auto plug In
 Power and signal are connected to machine automatically at connection of feeder
- Reel guide inner circulation
 The used cover tape is routed to the waste bin through inside the feeder preventing entanglement, reducing friction and providing protection from external shock
- Unlimited discharge device
 Unlimited plastic tape discharging system improves productivity

NI-	Massa	Name [Pitch, mm]								Width	Slot			
No	Name	2	4	8	12	16	20	24	28	32	36	40	(mm)	3101
1	8mm-2p	0											15.6	1
2	8mm-4p		0										15.6	1
3	12mm		0	0	0	0	0	0	0	0			31.2	2
4	16mm		0	0	0	0	0	0	0	0			31,2	2
5	24mm		0	0	0	0	0	0	0	0			31.2	2
6	32mm		0	0	0	0	0	0	0	0	0	0	42.6	3
7	44mm		0	0	0	0	0	0	0	0	0	0	54.6	4
8	56mm		0	0	0	0	0	0	0	0	0	0	66.6	5
9	72mm		0	0	0	0	0	0	0	0	0	0	82.6	6
10	88mm		0	0	0	0	0	0	0	0	0	0	108,3	7

Option & Accessories

Tray Feeder (TF5)



Efficiently supplies up to 20 trays – SOP, QFP,BGA,CONNECTOR, etc.– provided by JEDEC trays, waffle packs or special type of trays. When the TF is equipped on a base, normal feeders cannot be used on the same base.

Manual Tray



This manual tray is placed on the feeder base to supply tray components such as QFPS, BGAS, connectors, etc. The other type of manual tray is placed behind conveyor to maximize feeder base capacity.

Trolley



Required for fast and frequent PCB job change overs. Trolley enables feeder set up for the next production job while machine is in use, being used for production, Offine Trolley Set up Kit is required for easy feeder set up.

Off-Line Trolley Setup Kit



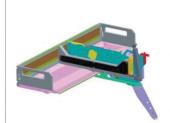
To minimize to job change over time, Offline Feeder Setup software and this kit are required. Two trolleys can be connected to the setup kit. To minimze feeder replacement time, it is also possible to set up a feeder before one becomes to empty.

Reel Exchanger



Easy to load component reel on the feeders. Before a feeder becomes empty, operators can load another feeder and place on the Reel Exchanger to reduce feeder exchanging time.

Internal Reel Exchanger



This is placed on feeder base and makes it easy to change reel components, Before a feeders becomes empty, operators can load another feeder and place on the internal reel exchanger to reduce feeder exchanging time,

Feeder Stacker



Easy to store and transport spare feeders to a machine or a storage room. Feeder Stacker helps to prevent damage to the feeders.

(Maximum 72 slots of 8mm feeder)

LSM2



The LSM2 supplies LED components to the machine in bulk, rather than requiring reel packaging of components.

Stick Feeder



One touch installation and automatic power connection without a cable. Vibratory Stick Feeder supplies components in the stick or tube.

Reel Tape Cutter



Cuts empty reel tape at programmable intervals and stores in dump box.

Feeder Precision



This is a feeder pickup position inspection system with camera and automatic calibration software for periodic maintenance,

(PC is not included.)

Bar Code System



As a part of Offine Trolley Setup kit, barcode printer and scanner system prevent incorrect component loading,

Nozzles

· Module Head

General Nozzles					21 - 25 00	
Nozzle Name	A000	B000	C000	D000	E000	P000
Appearance	.	\$	\$	\rightarrow		8
I,D x O,D (W x D) Application Parts	0.5 x 1.0 1608	Φ0.7 x Φ1.2 1608~3216	Φ1.2 × Φ2.0 3225~6432	Φ2.0 x Φ3.0	Φ4.5 × Φ6.0	Ring <i>Ф</i> 7.0
Special Nozzles				A		
Nozzle Name	A030	A021	A050	D030	D130	E010
Appearance	-	*	\rightarrow			
I,D x O,D (W x D) Application Parts	Φ0.3 x Φ0.5 0402	Φ0.4 × Φ0.7 0603	Φ0.4 x Φ1.0 1005 ~ 1608	#4.7 PLCC, QFP, CVB	(4.9 x 2.5) Connector	#6.6 PLCC, QFP
LED Nozzles	- TS-120 (S-7-2) (S-7)		1774599339			1000000
Nozzle Name	D140		E090	C010		D070
Appearance				\$		
I.D (W x D)	3.1 x 5.0		7.0 x 2.2	2,0		3.5 x 2.9
O.D (W x D)	1.6 x 3.6 DP 1	0	0.6 x 5.0 DP1	5.0		Φ2.7 DP 1.5
Application LED	5630 LED PKG	70	020 BLU LED	3014 LED PK	G	3528 LED PKG

· Precision Head

General Nozzles						
Nozzle Name	QP A	QP B-1	QP C	QP D	QP E	QP P2-1
Appearance	-	1	#	1	1	1
I.D x O.D (W x D) Application Parts	Ø0.5 × Ø1.0 1005 ~ 1608	Φ0.7 x Φ1.2 1608 ~1632	Ø1.0 x Ø2.0 3225~6432	Φ 2.0 x Φ 3.0 6.3Cap,tran6273	Ø4.5 x Ø6.0 9210~17×8,SO,SOJ	Ø8.5 x Ø10.0 14 x 22∼35 x 35 PLCC, QFP
Special Nozzles						
Nozzle Name	QP A-S01	QP A-S02	QP A-S03	QP B-1-S01	QP B-1-S02	QP C-S01
Appearance	1	1	1	1	1	1
I.D x O.D (W x D) Application Parts	(8.0 x 1.6) Connector	(22 x 4.4) PCMCIA-Connector	(12 x 2,6) Connector	(1.2 x 1.2) Connector	Ø2.7 x Ø1.5 White Plate Tip	(3.6 x 1.0) Connector
Nozzle Name	QP H-4-S01	QP P2-1-S01	QP P2-1-S02	QP P2-1-S03	QP G-2	QP G-3
Appearance	1	1	1	1	4	4
I,D x O,D (W x D) Application Parts	Ø6.0 × Ø0.45 0603	Ø6.0 PLCC, QFP, PBGA	Ø8.0 PLCC, QFP, PBGA	Ø12.0 PLCC, QFP, PBGA	8.0 x 7.2 Socket, Connector	6.6 x 4.0 Socket, Connector

Sample SMT Lines (Standard PCB/ F-PCB Line





	Loader	printer	MR20L	MR20LP	Work Table	Reflow Oven	Unloader	Total
Length (mm)	1,490	1,570	1,490	1,490	900	4,308	2,090	13,338
Weight (kg)	180	1,200	1,700	1,700	100	2,000	200	7,080

SMT Line 2 _ 57,000 CPH (IPC-9850 Standard)



	Loader	Printer	MR40L	MR40LP	Work Table	Reflow Oven	Unloader	Total
Length (mm)	1,490	1,570	1,490	1,490	900	4,308	2,090	13,338
Weight (kg)	180	1,200	2,000	2,000	100	2,000	200	7,680

SMT Line 3 _ 114,000 CPH (IPC-9850 Standard)



	Loader	Printer	MR40L	MR40L	MR40LP	Work Table	Reflow Oven	Unloader	Total
Length (mm)	1,490	1,570	1,490	1,490	1,490	900	4,308	2,090	14,828
Weight (kg)	180	1,200	2,000	2,000	2,000	100	2,000	200	9,680

Sample SMT Lines (Large PCB Line)

LED Line_57,000 CPH (IPC-9850 Standard)



	Loader	Printer	MR40L	MR20LP	Work Table	Reflow Oven	Unloader	Total
Length (mm)	1,710	1,650	1,490	1,490	900	4,308	2,090	13,638
Weight (kg)	240	1,400	2,000	1,700	100	2,000	200	7,640

LCD Module Line_114,000 CPH (IPC-9850 Standard)



	Loader	Printer	MR40L	MR40L	MR40LP	Work Table	Reflow Oven	Unloader	Total
Length (mm)	1,710	1,650	1,490	1,490	1,490	900	4,308	2,510	15,548
Weight (kg)	240	1,400	2,000	2,000	2,000	100	2,000	260	10,000

^{*} The above specifications are subject to change without notice.

MR Series Specifications

Item			MR20L	MR20LP	MR40L	MR40LS	MR40LP	MR40LSP	
Optimal Condition	Chip (1005)	27,500 CPH (0.13sec/chip)	19,500 CPH (0,184sec/chip)	55,000 CPH (0.065sec/chip)		39,000 CPH (0.092sec/chip)		
IPC-9850 Standard	Chip (1005)		21,000 CPH (0.171 sec/chip)	15,000 CPH (0.24sec/chip)	42,000 CPH (0.086sec/chip)		30,000 CPH (0.12sec/chip)		
	QFP (208)			7,500CPH			15,000CPH		
Placement	Chip (3σ)		0,050mm						
Accuracy	QFP (3σ)		0,035mm	0.025mm	0.035mm		0,025mm		
Num	ber of Heads		6 Module (inc. 2 P)	4 Precision	6 Module (inc. 2 P) + 6 Module (inc. 2 P)		4 Precision + 4 Precision		
Maximum (Component He	eight	Module10.5mm	Precision: 25mm	Module 10,5mm		Precision: 25mm		
	Single (All Spir		0603 ∼ □9mm	0603 ~ □11mm	0603 ~ □9mm		0603 ~ □11mm		
Component Range (FOV 36mm)	Single (Center Ins		38 x 28mm						
(1 0 1 0011111)	Multiple	FOV	~ □ 50mm, 90*30mm						
Minimu	m Lead Pitch		0,3mm						
	Minimum (L	x W x T)	50 x 50 x 0,4mm						
	Single Lane (L x W x T)	Standard	700 x 510 x 5,0mm		700 x 460 x 5.0	700 x 510 x 5.0	700 x 460 x 5.0	700 x 510 x 5.0	
PCB Size		Option (Inline)	1,200(950) x 510 x 5,0mm		1,200(950) x 250 x 5.0 mm				
	Dual Lane (L x W x T)	Standard	N / A		700 x 250 x 5.0	-	700 x 250 x 5.0	-	
		Option (Inline)	N/A		1,200(950) x 250 x 5,0mm				
	Standard		60EA (60x1) 120EA (60x2)						
Feeder Slot	Optio	n1	120EA (60x2)	N/A				
	Option2		60EA / TF5 + 15EA or 20EA 60EA / TF5+15EA						
Conveyor	Width Adjustr	nent	Automatic Width Adjustment						
Power Requirements			3 phase 200 / 208 / 220 / 230 / 240 / 380 / 400 / 415 / 430 [V] , 50/60Hz						
Power Consumption			Approx, 3 KVA Approx, 5KVA						
Air Pressure			0,5Mps						
Air Consumption			Approx, 130NI/min	Approx. 90NI/min	Approx, 240NI/min Approx, 180N		BONI/min		
Weight			Approx. 1,700Kg	Approx. 1,700Kg	Approx, 2,000Kg Approx, 2,0		2,000Kg		
Dimension (L x W x H), Cover Only			1,490 x 2,090 x 1,500mm (Cover) 1,580 x 2,090 x 1,500mm (Conveyor)						

^{* 0402}mm (01005 inch) Option * The above specifications are subject to change without notoce.

Mx Series Specifications

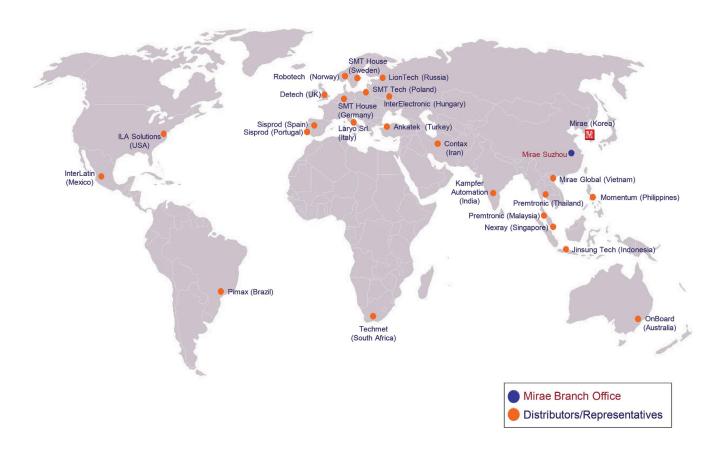
ltem		Mx200	Mx200P	Mx200L	Mx200LP		
Optimal Condition	Chip (1005)	23,000 CPH (0.157sec/chip)	17,000 CPH (0,212sec/chip)	23,000 CPH 0,157sec/chip)	17,000 CPH (0,212sec/chip)		
IPC-9850 Standard CPH	Chip (1005)	21,000 CPH (0.171sec/chip)	15,000 CPH (0,240sec/chip)	21,000 CPH (0,171sec/chip)	15,000 CPH (0,240sec/chip)		
	QFP 208	N/A	1,200CPH	N/A	1,200CPH		
Placement Accuracy	Chip (3 ₀)		0.0	0.050mm			
	QFP (3σ)	N/A	0.025mm	N/A	0,025mm		
Number	of Heads	6 Module	4 Module + 1 Precision	6 Module	4 Module + 1 Precision		
Maximum Com	nponent Height	Module: 10mm	Module: 10mm, Precision: 18mm Module: 10mm		Module: 10mm, Precision: 18mm		
Component Range (FOV 24mm)	Single FOV		0603 ~ 2	24*18mm			
Component Range	Single FOV	N/A	42*32mm	N/A	42*32mm		
(FOV 36mm)	Multiple FOV	N/A	~ □ 50mm, 90*30mm	N/A	~ □ 50mm, 90*30mm		
Minimum	FOV 24mm Camera	0.30	mm				
Lead Pitch	FOV 36mm Camera	N/A	0,38mm	N/A	0.38mm		
	Minimum	50 x 50 x 0,4mm					
PCB Size	Single Lane	410 x 460 x 5.0m 5.0mm(680 x 460 x 5.0mm / 1,200 x 460 x 5.0mm(Option)			
(L x W x T)	Dual Lane		-	-			
	Weight (max.)	2,0kg					
Conveyor Wid	Ith Adjustment	1	Manual Width Adjustment / Auto	matic Width Adjustment (Option)		
	Standard	80EA	(40x2)	100EA (50x2)			
Feeder Slot	Option 1		N,	N/A			
	Option 2	N/A	40EA / TF5		50EA / TF5 + 20EA		
Monitor & Operation Panel		Front Standard / Rear (Option)					
Power Requirements		3 phase 200 / 208 / 220 / 230 / 240 / 380 / 400 / 415 / 430 [V], 50/60Hz					
Power Consumption		Approx, 3 KVA					
Air Pro	essure	0,54Mps					
Air Cons	sumption	Approx, 180NI/min	Approx, 160NI/min	Approx. 180NI/min	Approx, 160NI/min		
We	ight	Approx.	1,200Kg	Approx, 1,300Kg			
Dimension (L x W x H), Cover Only		1,200 x 1,900	0 x 1,500mm	1,450 x 1,900 x 1,500mm			

Mx Series Specifications

N-400	M:400D	M-400I	M-400LD					
Mx400	Mx400P	Mx400L	Mx400LP					
46,000 CPH (0.078sec/chip)	40,000 CPH (0.090sec/chip)	46,000 CPH (0.078sec/chip)	40,000 CPH (0.090sec/chip)					
42,000 CPH (0.086sec/chip)	31,000 CPH (0.116sec/chip)	42,000 CPH (0,086sec/chip)	31,000 CPH (0.116sec/chip)					
N/A	N/A 3,500CPH		3,500CPH					
0,050mm								
N/A	0,025mm	N/A	0.025mm					
6M + 3P or 3M + 3P	6 Module + 3 Precision	6M + 3P or 3M + 3P	6 Module + 3 Precision					
10mm	Module: 10mm, Precision: 20mm	10mm	Module: 10mm, Precision: 20mm					
0603 ~ 24*18mm								
N/A	42*32mm	N/A	42*32mm					
N/A	~ □ 50mm, 90*30mm	N/A	~ □ 50mm, 90*30mm					
0,30mm								
N/A	0,38mm	N/A	0,38mm					
50 x 5	50 x 50 x 0,4mm							
410 x 460 x 5.0mm / 6	580 x 460 x 5,0mm(Option)	680 x 460 x 5.0mm / 1,200 x 460 x 5.0mm(Option)						
410 x 250 x 5,0mm / 6	680 x 250 x 5,0mm(Option)	680 x 250 x 5,0mm / 1,200 x 250 x 5,0mm(Option)						
	2.	0kg						
	Automatic Wic	Ith Adjustment						
80E/	A (40x2)	100EA (50x2)						
N/A	N/A 40EA / TF5		50EA / TF5 + 20EA					
Front & Rear								
3 phase 200 / 208 / 220 / 230 / 240 / 380 / 400 / 415 / 430 [V], 50/60Hz								
Approx, 5 KVA								
0,54Mps								
Approx, 300NI/min			Approx. 240NI/min					
Approx.	1,550Kg	Approx. 1,700Kg						
1,200 x 1,90	0 x 1,500mm	1,450 x 1,900 x 1,500mm						

^{*} The above specifications are subject to change without notoce.

Worldwide Service & Sales Network





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