

1. Loader
2. Fully Automatic Continuous Solder Paste Printing Machine QL1000
3. SMT Conveyor
4. Pick and Place Machine QT600
5. Storage/Process Line
6. Reflow Oven QRF450
7. Unloader

Loader



500mm

Printing machines



1180mm

Conveyor



1000mm

Pick and place machine



2970mm

Storage cache line



25000mm

Reflow soldering



4800mm

Unloader



500mm

Loader/Unloader



1. Standard Configurations

Configuration Name	Technical Specifications/Brands	Count	Unit
AC Motor	120W 120K	1	Set
Electric Control Box	220V Import	1	Set
Inductor(Elec.)	Raun	1	Set
Switching Power Supply	24V	1	Set
Bakelite Tray		2	Set

2. Technical Specification

Dimension	L1029*W500*H1239
ADAPTS to Reel Size	Max 400mm
ADAPS to Reel Width	Max 250mm



Fully Automatic Continues Solder Paste Printing Machine (1m):QL1000



Configurations	Parameters
Vision X-axis accuracy	0.05mm
Vision Y-axis accuracy	0.05mm
PCB Min Size	1000mm*240mm
PCB Max Size	1000mm*260mm
PCB Thickness	0.15mm-1.0mm
PCB Warpage	5.0mm
Transmission Speed	0-500mm/s
Scraper Speed	0-300mm/s
Scraper Angle	0-40
Stencil Separation Speed	1s
Adjustment Range of Table	0-6mm
Repeat Positioning Precision	0.08mm
Printing Accuracy	0.1mm
Production Cycle	15-30s
Correction Range	X, Y1, Y2 Automatic adjustments, ± 6 mm
Work Platform	Powerful Vacuum Adsorption
Stencils Cleaning	Wet Cleaning, Dry Cleaning, Vacuum Cleaning
Power Supply	220V, 50HZ
Equipment Power	2000W
Dimension	L2350mm*W1180mm*H1700mm



Pick and Place Machine: QT600



Model	QT600
PCB Size	Max: W: 280mm L: No Limitation
PCB Thickness	0.3-5mm
PCB Positioning	CCD Visual, Mark Point Positioning
PCB Transmitting Speed	320mm/s
PCB Transmitting Direction	Front to Back
Mounting Head Driver	Maglev Liner Motor
Mounting Head Amount	2 Heads
Nozzles Amount	38 Pcs per Head, Totally 76Pcs
Mounting Accuracy	±0.03mm
Mounting Speed	250000 - 270000 CPH
Repeat Accuracy	±0.01mm
Min Mounting Gap	6.5mm
Components Range	0805, 1206, 2835, 3014, 3528, 5050, 5630, 5730, RGB and other LED Stripped Material
Component Height	10mm
Feeder Amount	64Pcs
Feeder Type	Dual Motor Electric Feeder
Mounting Type	Group Picking and Group Placing
PCB Input/Output Method	Vacuum Absorb + Positioning Cylinder Transfer
Computer System	Windows
Operating Software	Independent R & D by Qihe
Visual System	5 Sets of optical Camera, Equipped with Visual Inspection for Missing Component alarm(Option: add missing component automatically)
Motion Control Module	Motion Control Card
X, Y Axis Drive	Servo Motor
Power	380V AC/50Hz/3 Phase
Max Power	10.0KW
Air Pressure	0.5-0.8Mpa
Temperature	23°C±3
Dimension	3100-2650*1550mm
Weight	2680KG



Reflow Oven: QRF450



Model	QRF450	
Heating Systems	Number Of Heating Zones	Upper 8 Hot Air Heating, Lower 8 Hot Air Heating
	Heating Zone Length	3000mm
	Heating Method	All-hot-air
Delivery System	PCB Max Width	450mm (Belt) 300mm(guideway) (optional)
	Direction Of Transport	Left → Right
	Transportation Belt Height	Belt 880±20mm
	Delivery Method	Net Drive + Rail (Optional)
	Transport Belt Speed	0-2000mm/Min
Control System	Power Supply	5-Wire, 3-Phase, 380V, 50/60hz
	Start-up Power	28KW
	Normal Operating Power	7KW
	Warming Time	About 15 Minutes.
	Temperature Control Range	Indoor Temperature ~ 350°C
	Temperature Control Mode	PID Control + SSR Drive
	Temperature Control Accuracy	±1°C
	Abnormal Alarms	Abnormal Temperature Alarm
Complete Systems	Dimension	L4800*W900*H1400
	Machine Weight	1600KG



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The Complete Technology People



2 Meters for a section, a section can be cached 8 meters

Features:

- **Save Space**
- **Flexible Combination of Storage/Process Length**

SMT Conveyor H:1.6 Meter



Electrical 8mm Feeder

