World Class Robotic Soldering Solutions

- In-line Soldering Equipment
- Table-Top Soldering Machines
- Cartesian Soldering Machines
- Soldering Components
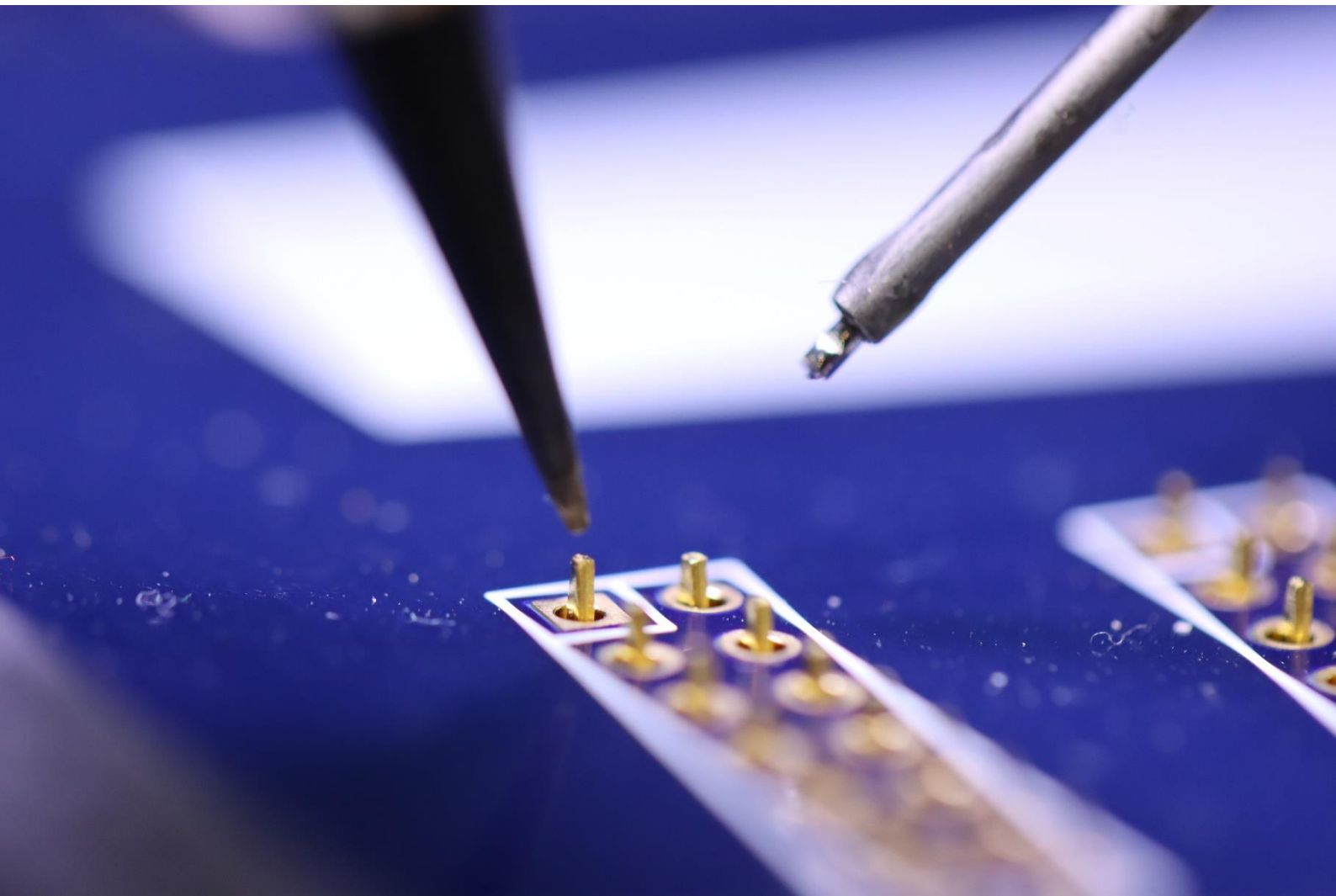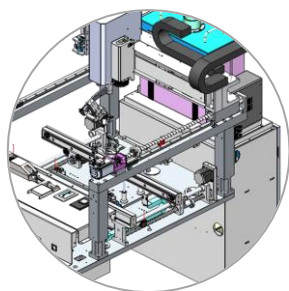- Hot Bar Soldering Machines

Table of Contents

In-line Soldering Equipment

promation

S100-P4

Features:

Compact Structure:
Compact appearance / design, reduced machine width, smaller machine footprint.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Automatic Width Adjustment:
Optimal for improved process changeover.

MES Features:
Localized MES, Local read PC Data, data logged soldering parameters with strong traceability.

System Specifications:

Model		S100-P4
Motor Axis		4 axis
Total Power		800W
Voltage		220V 50Hz
Air Pressure Range		0.4~0.7MPa
Temperature Controller Power		200W
Equipment Itinerary	X/Y/Z axis	400/500/100mm
	R axis	±180°
Speed Range	X/Y/Z axis	0.1～800 mm/sec 0.1～400 mm/sec(Z axis)
	R axis	0.1～800°/s
Repeat Accuracy	X/Y/Z axis	± 0.01 mm
	R axis	±0.02°
Working Area (X*Y)		300mm*370mm
Conveyor Speed		1~300 mm/sec Adjustable
Conveyor Width		50~400 mm Adjustable
Conveyor Pass Line Height		900mm±20mm
Fixture Range (X*Y)		300*400mm
Dimensions(W*D*H)		800*1350mm*1650 mm
Equipment Weight		700kg

Dimensions:

Optional Accessories:

Power Supply

Solder Tip Correction Device

Fume Extraction System

Fixture Return

Nitrogen Generator

Solder Feeding Station

In-line Soldering Equipment

S100-T4
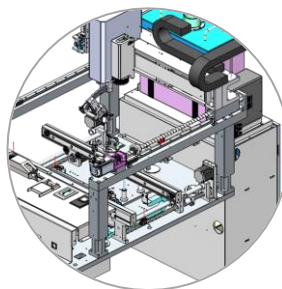
promation

Features:

Compact Structure:
Compact appearance / design, reduced machine width, smaller machine footprint.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Automatic Width Adjustment:
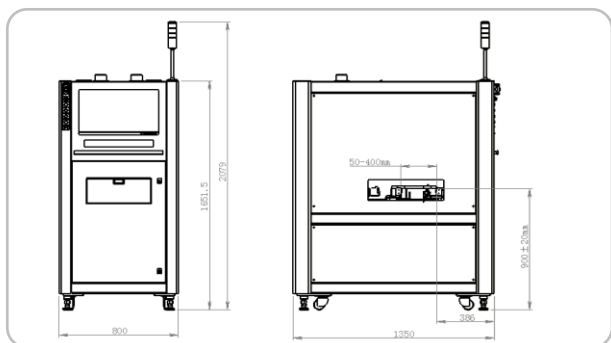Optimal for improved process changeover.

MES Features:
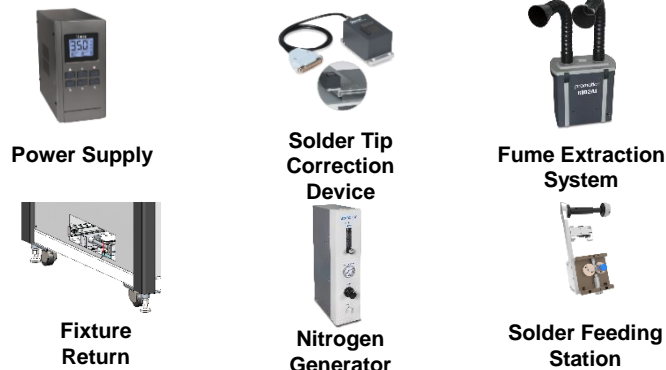Localized MES, Local read PC Data, data logged soldering parameters with strong traceability.

System Specifications:

Model		S100-T4
Motor Axis		4 axis
Total Power		800W
Voltage		220V 50Hz
Air Pressure Range		0.4~0.7MPa
Temperature Controller Power		200W
Equipment Itinerary	X/Y/Z axis	400/500/100mm
	R axis	±180°
Speed Range	X/Y/Z axis	0.1~800 mm/sec 0.1~400 mm/sec(Z axis)
	R axis	0.1~800°/s
Repeat Accuracy	X/Y/Z axis	±0.01 mm
	R axis	±0.02°
Working Area (X*Y)		300mm*370mm
Conveyor Speed		1~300 mm/sec Adjustable
Conveyor Width		50~400 mmAdjustable
Conveyor Pass Line Height		900mm±20mm
Fixture Range (X*Y)		300*400mm
Dimensions(W*D*H)		800*1350mm*1650 mm
Equipment Weight		700kg

Dimensions:

Optional Accessories:

Power supply

Solder Tip Correction Device

Fume Extraction System

Fixture return

Nitrogen Generator

Solder Feeding Station

Table-Top Soldering Machine

promation

ET9383E/9483E

Features:

Moving Plate / Y-Axis Type:
Strong load capacity, precision stepping motor, precise speed control, X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-time Communication Function:
Simply connect an RS-485 cable from the computer to the monitor. System displays the temperature and output parameters in real time.

MES Features:
Localized MES: Read local data.

Security Settings:
Two-hand start operation, Safe and reliable.

System Specifications:

Model		ET9383E	ET9483E
Motor Axis		3 axis	3 axis
Total Power		500W	500W
Temperature Controller Power		200W	200W
Equipment Itinerary	X/Y axis	300mm	400mm
	Z axis	100mm	100mm
Speed Range	X/Y axis	0.1~800 mm/sec	0.1~800 mm/sec
	Z axis	0.1~300 mm/sec	0.1~300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.01 mm	± 0.01 mm
Machine Load	Z axis	5kg	5kg
	Platform	8kg	8kg
Working Area (X,Y)		240*300mm	340*400mm
Dimensions(W*D*H)		630x607x730mm	733x710x742mm
Equipment Weight		40kg	45kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

ET9383E Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range:240*300mm

16 x M4

ET9483E Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range:340*400mm

30 x M4

Table-Top Soldering Machine

ET9583EYA

promation

Features:

Moving Plate / Y-Axis Type:
Strong load capacity, precision stepping motor, precise speed control, X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-time Communication Function:
Simply connect an RS-485 cable from the computer to the monitor. System displays the temperature and output parameters in real time.
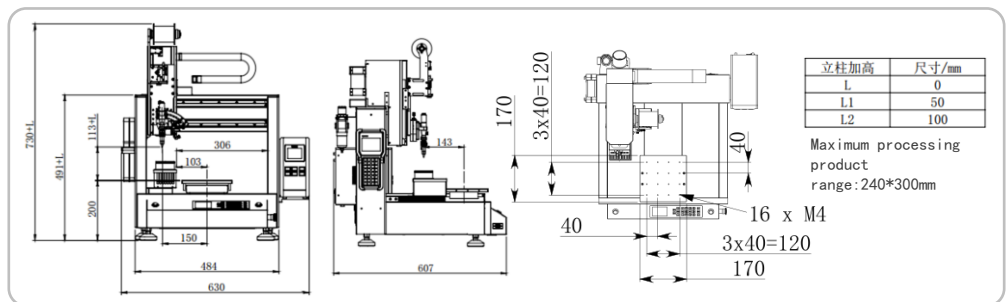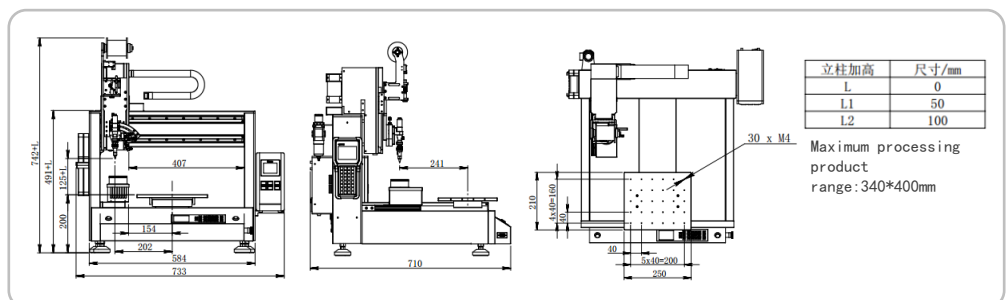
MES Features:
Localized MES: Read local data.

Alternating Double Y Axis Moving Plates:
One Y-Axis Table can be unloaded and subsequently loaded while the other table is under the gantry being worked on.

Security Settings:
Two-hand start operation, Safe and reliable.

System Specifications:

Model		ET9583EYA
Motor Control Axis Number		3 axis
Total Power		500W
Temperature Controller Power		200W
Equipment Itinerary	X/Y axis	500mm/400mm
	Z axis	100mm
Speed Range	X/Y axis	0.1~800 mm/sec
	Z axis	0.1~300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.01 mm
Machine Load	Z axis	5kg
	Platform	8kg
Working Area (X,Y)		200*400mm(doubleY)
Dimensions(W*D*H)		830x707x731mm
Equipment Weight		55kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Dimensions:

Table-Top Soldering Machine

ET9384E/9484E

promation

Features:

Moving Plate / Y-Axis Type:
Strong load capacity, precision stepping motor, precise speed control, X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-time Communication Function:
Simply connect an RS-485 cable from the computer to the monitor. System displays the temperature and output parameters in real time.

MES Features:
Localized MES: Read local data.

Security Settings:
Two-hand start operation, Safe and reliable.

System Specifications:

Model		ET9384E	ET9484E
Motor Control Axis Number		4 axis	4 axis
Total Power		600W	600W
Temperature Controller Power		200W	200W
Equipment Itinerary	X/Y axis	300mm	400mm
	Z axis	100mm	100mm
	R axis	±180°	±180°
Speed Range	X/Y axis	0.1~800 mm/sec	0.1~800 mm/sec
	Z axis	0.1~300 mm/sec	0.1~300 mm/sec
	R axis	0.1~800°/s	0.1~800°/s
Repeat Accuracy	X/Y/Z axis	± 0.01 mm	± 0.01 mm
Machine Load	Z axis	3kg	3kg
	Platform	8kg	8kg
Working Area (X,Y)		240*300mm	340*400mm
Dimensions (W*D*H)		633x618x852mm	732x723x852mm
Equipment Weight		45kg	55kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

ET9384E Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range:240*300mm

ET9484E Dimensions:

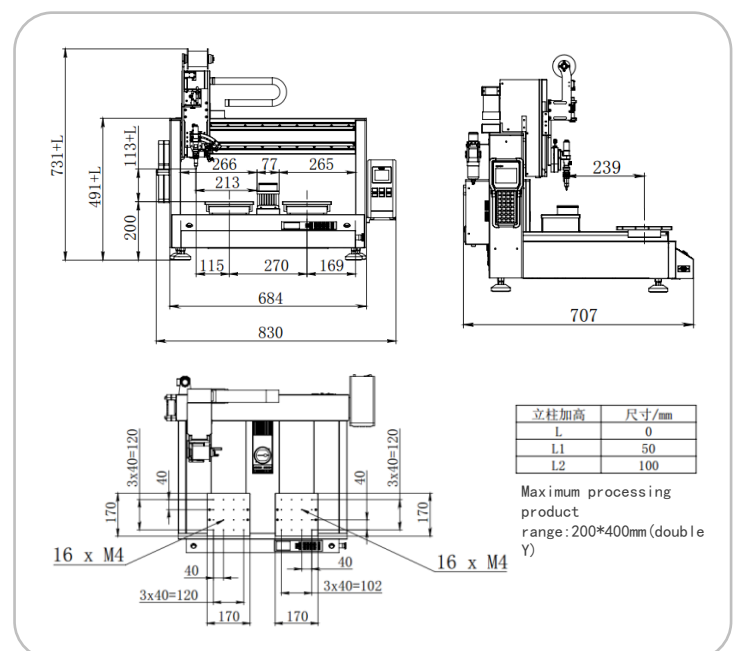| 立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range:340*400mm

Table-Top Soldering Machine

ET9584EYA

promation

Features:

Moving Plate / Y-Axis Type:
Strong load capacity, precision stepping motor, precise speed control, X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-time Communication Function:
Simply connect an RS-485 cable from the computer to the monitor. System displays the temperature and output parameters in real time.

MES Features:
Localized MES: Read local data.

Alternating Double Y Axis Moving Plates:
One Y-Axis Table can be unloaded and subsequently loaded while the other table is under the gantry being worked on.

Security Settings:
Two-hand start operation, Safe and reliable.

System Specifications:

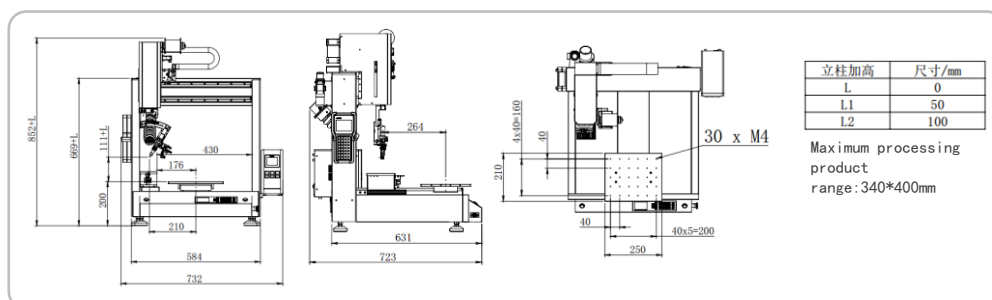| Model		ET9584EYA
Motor Control Axis Number		4 axis
Total Power		600W
Temperature Controller Power		200W
Equipment Itinerary	X/Y axis	500mm/400mm
	Z axis	100mm
	R axis	±180°
Speed Range	X/Y axis	0.1～800 mm/sec
	Z axis	0.1～300 mm/sec
	R axis	0.1~800°/s
Repeat Accuracy	X/Y/Z axis	± 0.01 mm
Machine Load	Z axis	3kg
	Platform	8kg
Working Area (X,Y)		200*400mm(doubleY))
Dimensions(W*D*H)		833x723x852mm
Equipment Weight		65kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

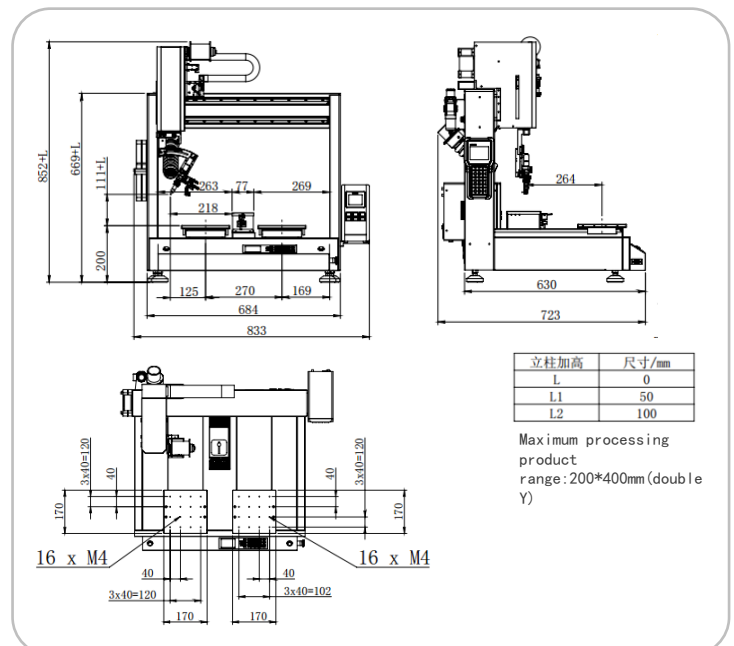Maximum processing product range:200*400mm(double Y)

Table-Top Soldering Machine
ET9393E/9493E

promation

Features:

Moving Plate / Y-Axis Type:
Strong load capacity, precision stepping motor, precise speed control, X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-time Communication Function:
Simply connect an RS-485 cable from the computer to the monitor. System displays the temperature and output parameters in real time.

MES Features:
Localized MES: Read local data.

Solder Feeder:
Feeder provides true volumetric indexing of solder material.

System Specifications:

Model		ET9393E	ET9493E
Motor Control Axis Number		3 axis	3 axis
Total Power		500W	500W
Temperature Controller Power		200W	200W
Equipment Itinerary	X/Y axis	300mm	400mm
	Z axis	100mm	100mm
Speed Range	X/Y axis	0.1～800 mm/sec	0.1～800 mm/sec
	Z axis	0.1～300 mm/sec	0.1～300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.01 mm	± 0.01 mm
Machine Load	Z axis	5kg	5kg
	Platform	8kg	8kg
Working Area (X,Y)		240*300mm	340*400mm
Dimensions (W*D*H)		595x590x702mm	695x690x700mm
Equipment Weight		60kg	70kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

ET9393E Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range: 240*300mm

ET9493E Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range: 340*400mm

Table-Top Soldering Machine

ET9593EYA

promation

Features:

Moving Plate / Y-Axis Type:
Strong load capacity, precision stepping motor, precise speed control, X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-time Communication Function:
Simply connect an RS-485 cable from the computer to the monitor. System displays the temperature and output parameters in real time.

MES Features:
Localized MES: Read local data.

Alternating Double Y Axis Moving Plates:
One Y-Axis Table can be unloaded and subsequently loaded while the other table is under the gantry being worked on.

Security Settings:
Two-hand start operation, Safe and reliable.

System Specifications:

Model		ET9593EYA
Motor Control Axis Number		3 axis
Total Power		500W
Temperature Controller Power		200W
Equipment Itinerary	X/Y axis	500mm/400mm
	Z axis	100mm
Speed Range	X/Y axis	0.1～800 mm/sec
	Z axis	0.1～300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.01 mm
Machine Load	Z axis	5kg
	Platform	8kg
Working Area (X,Y)		200*400mm(doubleY)
Dimensions(W*D*H)		795x689x700mm
Equipment Weight		80kg

Optional Accessories:

Solder Tip Correction Device
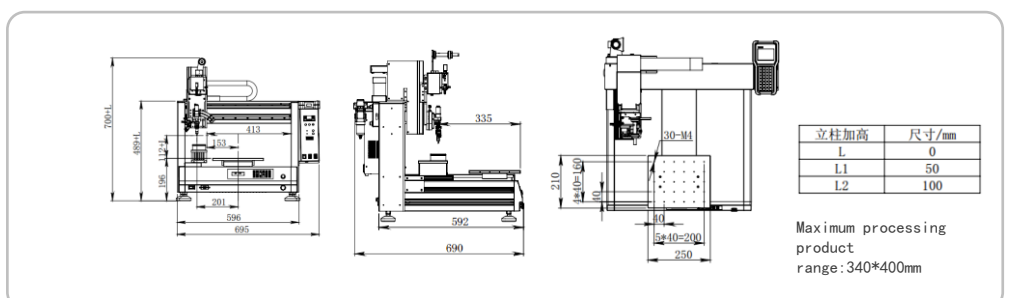
Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

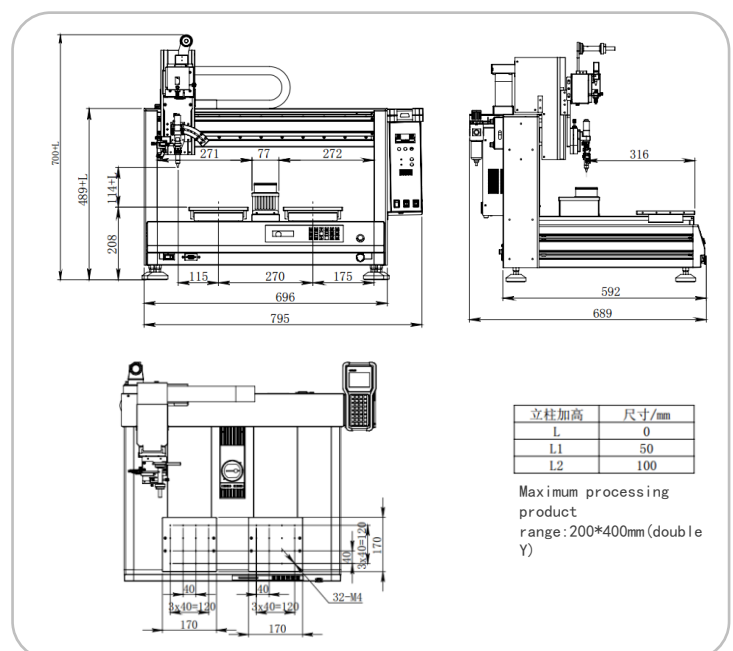Maximum processing product range:200*400mm(doubleY)

Table-Top Soldering Machine

ET9394F/9494F

promation

Features:

4 Axis Control:
Strong load capacity, precision stepper motor, precise speed control,X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency, current heating technology, rapid temperature recovery and small temperature drop.

Alarm Function:
Temperature anomaly alarm & solder wire replacement alarm.

Real-Time Communication Function:
Simply by connecting an RS-485 cable from the computer to the monitor you can set the temperature and output parameters in real time.

MES Features:
Local MES: Read local data.

Solder Feeder:
Under-head mount feeder provides true volumetric indexing of solder material.

System Specifications:

Model		ET9394F	ET9494F
Motor Control Axis Number		4 axis	4 axis
Total Power		600W	600W
Temperature Controller Power		200W	200W
Equipment Itinerary	X/Y axis	300mm	400mm
	Z axis	100mm	100mm
Speed Range	X/Y axis	0.1～800 mm/sec	0.1～800 mm/sec
	Z axis	0.1～300 mm/sec	0.1～300 mm/sec
	R axis	0.1~800°/s	0.1~800°/s
Repeat Accuracy	X/Y/Z axis	± 0.01 mm	± 0.01 mm
Machine Load	Z axis	3kg	3kg
	Platform	8kg	8kg
Working Area (X,Y)		260*300mm	340*400mm
Dimensions (W*D*H)		595x610x897mm	695x710x897mm
Equipment Weight		70kg	80kg

Optional Accessories

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

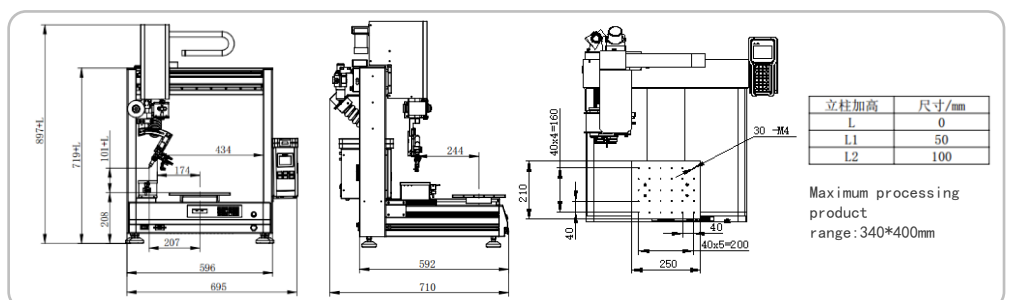**Solder Feeding Station**

ET9394F Dimensions:

ET9494F Dimensions:

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Table-Top Soldering Machine

ET9594FYA

promation

Features:

Moving Plate / Y-Axis Type:
Strong load capacity, precision stepping motor, precise speed control, X/Y Axis double guided rail, safe design.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-time Communication Function:
Simply connect an RS-485 cable from the computer to the monitor. System displays the temperature and output parameters in real time.

MES Features:
Localized MES: Read local data.

Alternating Double Y Axis Moving Plates:
One Y-Axis Table can be unloaded and subsequently loaded while the other table is under the gantry being worked on.

Security Settings:
Two-hand start operation, Safe and reliable.

System Specifications:

Model		ET9594FYA
Motor Control Axis Number		4 axis
Total Power		600W
Temperature Controller Power		200W
Equipment Itinerary	X/Y axis	500mm/400mm
	Z axis	100mm
Speed Range	X/Y axis	0.1～800 mm/sec
	Z axis	0.1～300 mm/sec
	R axis	0.1~800°/s
Repeat Accuracy	X/Y/Z axis	± 0.01 mm
Machine Load	Z axis	3kg
	Platform	8kg
Working Area (X,Y)		200*400mm(doubleY)
Dimensions (W*D*H)		795x710x897mm
Equipment Weight		90kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

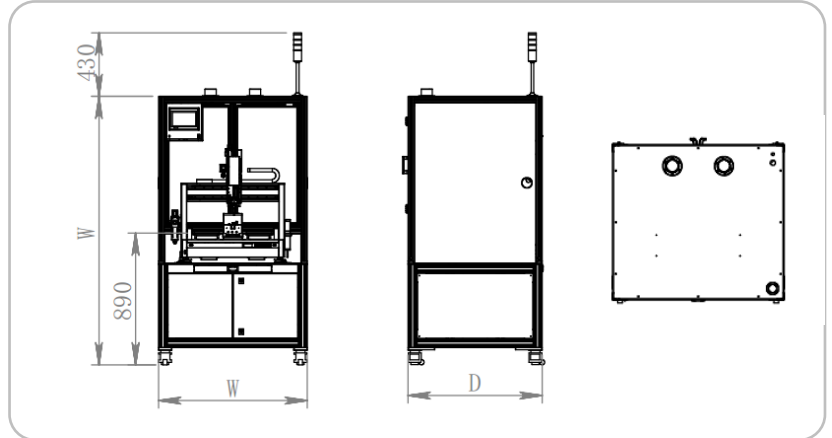**Nitrogen Generator**

Solder Feeding Station

Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range：200*400mm（double Y）
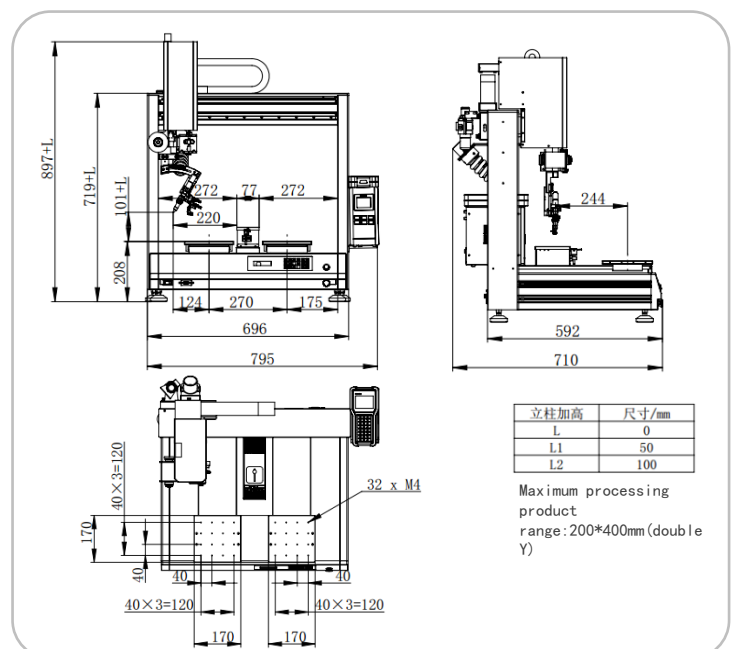
Floor Standing Safety Enclosure

ESC40AC

promation

Dimensions:

* Without Soldering Machine

Specification Selection Table:

Workcell Model	Working Desk Size			Maximum stroke of applicable equipment		Compatible Model
	Width (W)	Depth (D)	High (H)	X	Y	
ESC40AB	1000mm	900mm	1800mm	500mm	400mm	ET9583EYA / ET9584EYA
				500mm	500mm	ET9593E / ET9594E / ET9593EY / ET9594EY
				500mm	400mm	ET9593EA / ET9594EA / ET9593EYA / ET9594EYA
				500mm	500mm	ET9593F / ET9594F
				500mm	400mm	ET9594FA / ET9594FYA
ESC40AC	900mm	900mm	1800mm	400mm	400mm	ET9483E / ET9484E
				300mm	300mm	ET9383E / ET9384E
				400mm	400mm	ET9493E / ET9494E
				400mm	400mm	ET9493F / ET9494F
				300mm	300mm	ET9393E / ET9394E
				300mm	300mm	ET9393F / ET9394F

Cartesian Soldering Machine
9152N / 9252N

promation

Features:

Precision Lead Screw Drive:
Driven by a precision lead screw module structure, strong load capacity, high operating accuracy, suitable for precision soldering operations.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-Time Communication Function:
RS-485 Connected with PC to monitor and set the temperature and output parameters in real time.

MES Features:
Local MES: Read local PC data.

Teaching Box Programming:
Hand-held teaching pendant programming is simple, reliable, and convenient.

System Specifications:

Model		9152N	9252N
Motor Axis		2 axis	2 axis
Total Power		300W	300W
Temperature Controller Power		150W	150W
Equipment Itinerary	X axis	100mm	200mm
	Z axis	100mm	100mm
Speed Range	X/Y axis	0.1～300 mm/sec	0.1～300 mm/sec
	Z axis	0.1～300 mm/sec	0.1～300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm	± 0.02 mm
Machine Load	Z axis	3 kg	3 kg
Dimensions (W*D*H)		300X500X540mm	300X600X540mm
Equipment Weight		18 kg	20 kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Servo Motion Control System

Dimensions:

9152N

9252N

Mounting dimensions of the base:
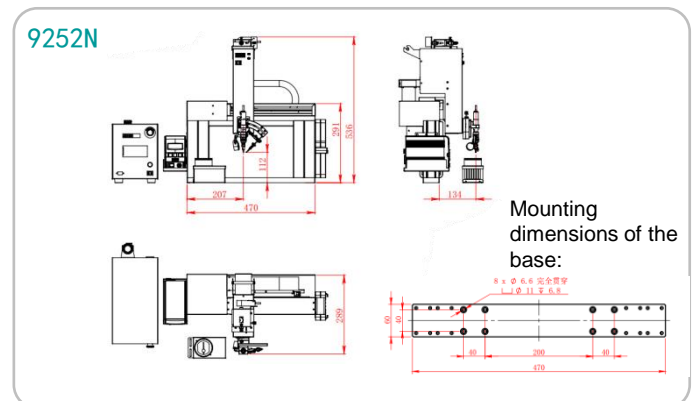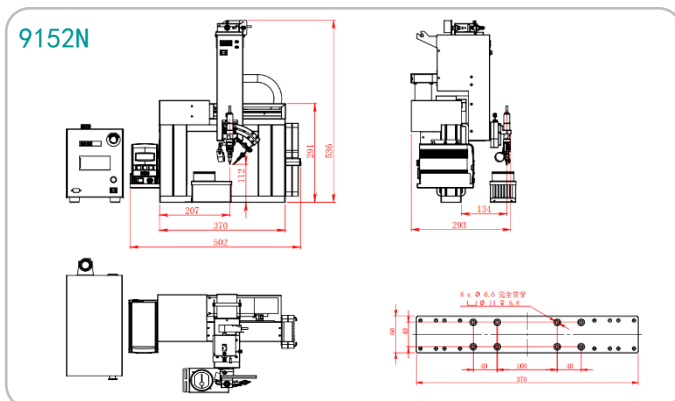
Cartesian Soldering Machine

9153N(A) / 9253N(A)

promation

Features:

Precision Lead Screw Drive:
Driven by a precision lead screw module structure, strong load capacity, high operating accuracy, suitable for precision soldering operations.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-Time Communication Function:
RS-485 Connected with PC to monitor and set the temperature and output parameters in real time.

MES Features:
Local MES: Read local PC data.

Teaching Box Programming:
Hand-held teaching pendant programming is simple, reliable, and convenient.

System Specifications:

Model		9153N	9153NA	9253N	9253NA
Motor Axis		3 axis	3 axis	3 axis	3 axis
Total Power		300W	300W	300W	300W
Temperature Controller Power		150W	150W	150W	150W
Equipment Itinerary	X/Y axis	100mm	100/200mm	200mm	200/100mm
	Z axis	100mm	100mm	100mm	100mm
Speed Range	X/Y axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
	Z axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm	± 0.02 mm	± 0.02 mm	± 0.02 mm
Machine Load	Z axis	3 kg	3 kg	3 kg	3 kg
Dimensions (W*D*H)		500X370X540mm	500X470X540mm	600X470X540mm	600X370X540mm
Equipment Weight		32 kg	35 kg	36 kg	35 kg

Optional Accessories:
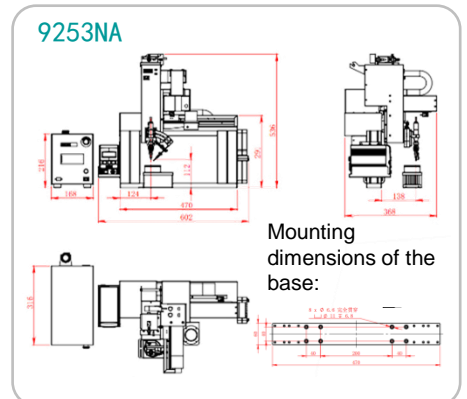
Solder Tip Correction Device
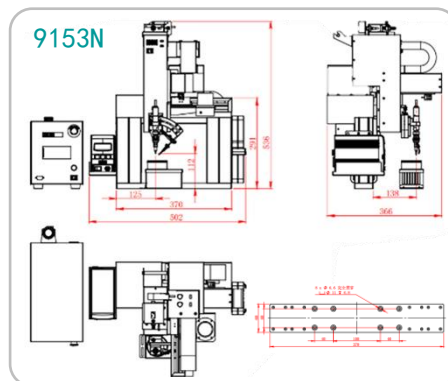
Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Servo Motion Control System

Dimensions:

9153N

9153NA

9253N

9253NA

Mounting dimensions of the base:

Mounting dimensions of the base:
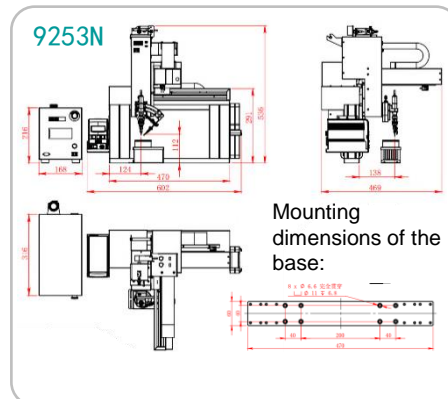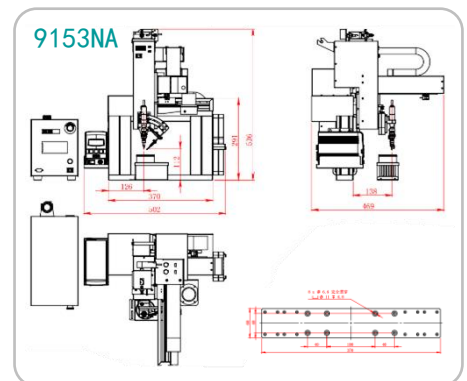
Cartesian Soldering Machine

9353N(A) / 9453NA

promation

Features:

Precision Lead Screw Drive:
Driven by a precision lead screw module structure, strong load capacity, high operating accuracy, suitable for precision soldering operations.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-Time Communication Function:
RS-485 Connected with PC to monitor and set the temperature and output parameters in real time.

MES Features:
Local MES: Read local PC data.

Teaching Box Programming:
Hand-held teaching pendant programming is simple, reliable, and convenient.

System Specifications:

Model		9353N	9353NA	9453NA
Motor Axis		3 axis	3 axis	3 axis
Total Power		400W	400W	400W
Temperature Controller Power		200W	200W	200W
Equipment Itinerary	X/Y axis	300mm	300/200mm	400/300mm
	Z axis	100mm	100mm	100mm
Speed Range	X/Y axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
	Z axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm	± 0.02 mm	± 0.02 mm
Machine Load	Z axis	3 kg	3 kg	3 kg
Dimensions (W*D*H)		650X620X520mm	650X520X520mm	750X620X520mm
Equipment Weight		36 kg	36 kg	40 kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Servo Motion Control System

Dimensions:

9353N — Mounting dimensions of base:

9353NA — Mounting dimensions of base:

9453NA — Mounting dimensions of the base:
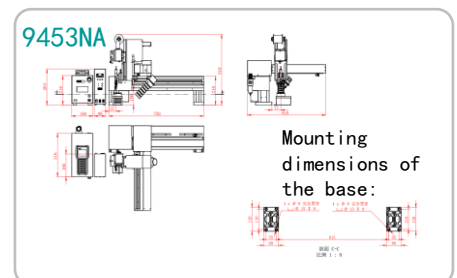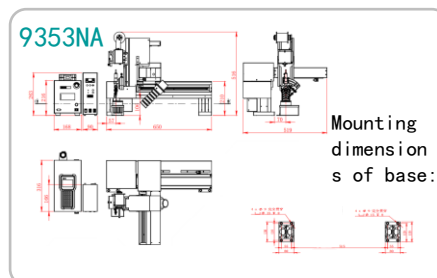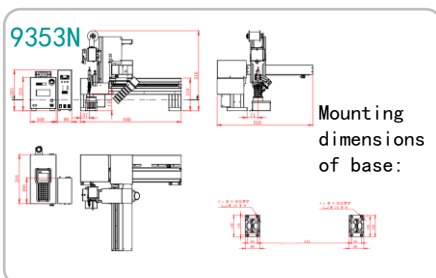
Cartesian Soldering Machine

9154N(A) / 9254N(A)

promation

Features:

Precision Lead Screw Drive:
Driven by a precision lead screw module structure, strong load capacity, high operating accuracy, suitable for precision soldering operations.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-Time Communication Function:
RS-485 Connected with PC to monitor and set the temperature and output parameters in real time.

MES Features:
Local MES: Read local PC data.

Teaching Box Programming:
Hand-held teaching pendant programming is simple, reliable, and convenient.

System Specifications:

Model		9154N	9154NA	9254N	9254NA
Motor Axis		4 axis	4 axis	4 axis	4 axis
Total Power		350W	350W	350W	350W
Temperature Controller Power		150W	150W	150W	150W
Equipment Itinerary	X/Y axis	100mm	100/200mm	200mm	200/100mm
	Z axis	100mm	100mm	100mm	100mm
	R axis	±180°	±180°	±180°	±180°
Speed Range	X/Y axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
	Z axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
	R axis	0.1-600°/sec	0.1-600°/sec	0.1-600°/sec	0.1-600°/sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm	± 0.02 mm	± 0.02 mm	± 0.02 mm
Machine Load	Z axis	2 kg	2 kg	2 kg	2 kg
Dimensions (W*D*H)		500X370X720mm	500X470X720mm	600X470X720mm	600X370X720mm
Equipment Weight		35 kg	37 kg	40 kg	38 kg

Optional Accessories:

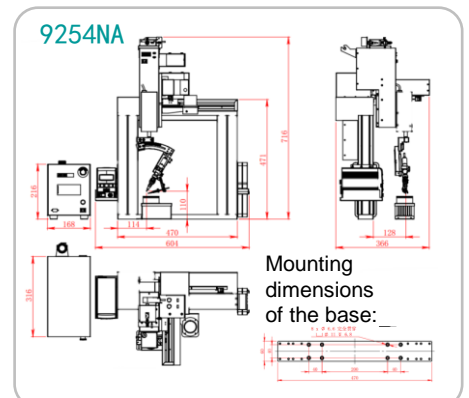**Solder Tip Correction Device**
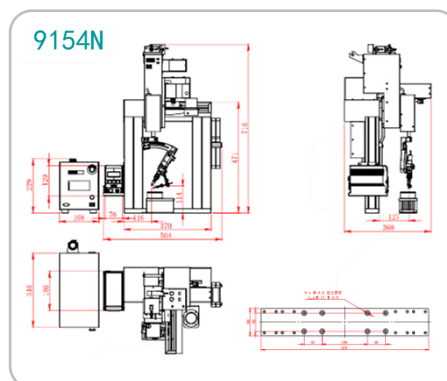
Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Servo Motion Control System

Dimensions:

9154N

9154NA

Mounting dimensions of the base:

9254N

Mounting dimensions of the base:

9254NA

Mounting dimensions of the base:
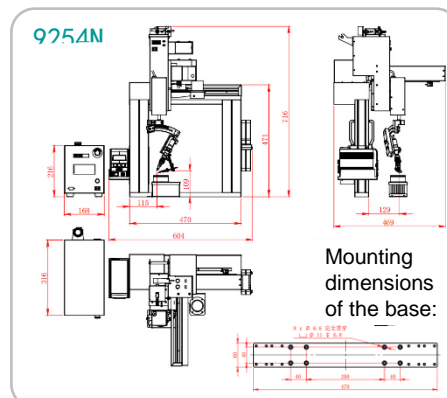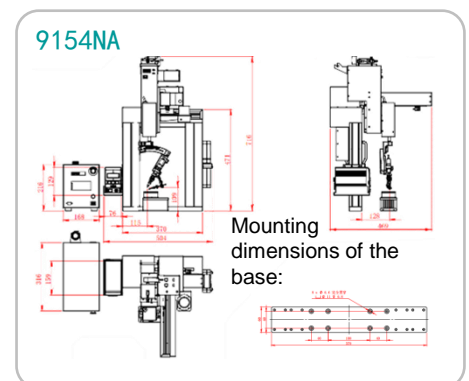
Cartesian Soldering Machine

9354N(A) / 9454NA

promation

Features:

Precision Lead Screw Drive:
Driven by a precision lead screw module structure, strong load capacity, high operating accuracy, suitable for precision soldering operations.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-Time Communication Function:
RS-485 Connected with PC to monitor and set the temperature and output parameters in real time.

MES Features:
Local MES: Read local PC data.

Teaching Box Programming:
Hand-held teaching pendant programming is simple, reliable, and convenient.

System Specifications:

Model		9354N	9354NA	9454NA
Motor Axis		4 axis	4 axis	4 axis
Total Power		400W	400W	400W
Temperature Controller Power		200W	200W	200W
Equipment Itinerary	X/Y axis	300mm	300/200mm	400/300mm
	Z axis	100mm	100mm	100mm
	R axis	300°	300°	300°
Speed Range	X/Y axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
	Z axis	0.1～300 mm/sec	0.1～300 mm/sec	0.1～300 mm/sec
	R axis	0.1-600°/sec	0.1-600°/sec	0.1-600°/sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm	± 0.02 mm	± 0.02 mm
Machine Load	Z axis	2 kg	2 kg	2 kg
Dimensions (W*D*H)		650X680X720mm	650X580X720mm	750X680X720mm
Equipment Weight		45 kg	48 kg	50 kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding Station

Servo Motion Control System

Dimensions:

9354N

Mounting dimensions of the base:

9354NA

Mounting dimensions of the base:

9454NA

Mounting dimensions of the base:

Cartesian Soldering Machine

9454N

promation

Features:

Precision Lead Screw Drive:
Driven by a precision lead screw module structure, strong load capacity, high operating accuracy, suitable for precision soldering operations.

Intelligent Temperature Compensation:
High frequency current heating technology, rapid temperature recovery and smooth consistent soldering temperature.

Alarm Function:
Temperature anomaly alarm & Solder wire replacement alarm.

Real-Time Communication Function:
RS-485 Connected with PC to monitor and set the temperature and output parameters in real time.

MES Features:
Local MES: Read local PC data.

Teaching Box Programming:
Hand-held teaching pendant programming is simple, reliable, and convenient.

System Specifications :

Model		9454N
Motor Axis		4 axis
Total Power		1500W
Temperature Controller Power		200W
Equipment Itinerary	X/Y axis	400mm
	Z axis	100mm
	R axis	300°
Speed Range	X/Y axis	0.1～300 mm/sec
	Z axis	0.1～300 mm/sec
	R axis	0.1-600° /sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm
Machine Load	Z axis	2 kg
Dimensions (W*D*H)		950X860X720mm
Equipment Weight		108 kg

Optional Accessories:

Solder Tip Correction Device

Fume Extraction System

Nitrogen Generator

Solder Feeding System

Dimensions:

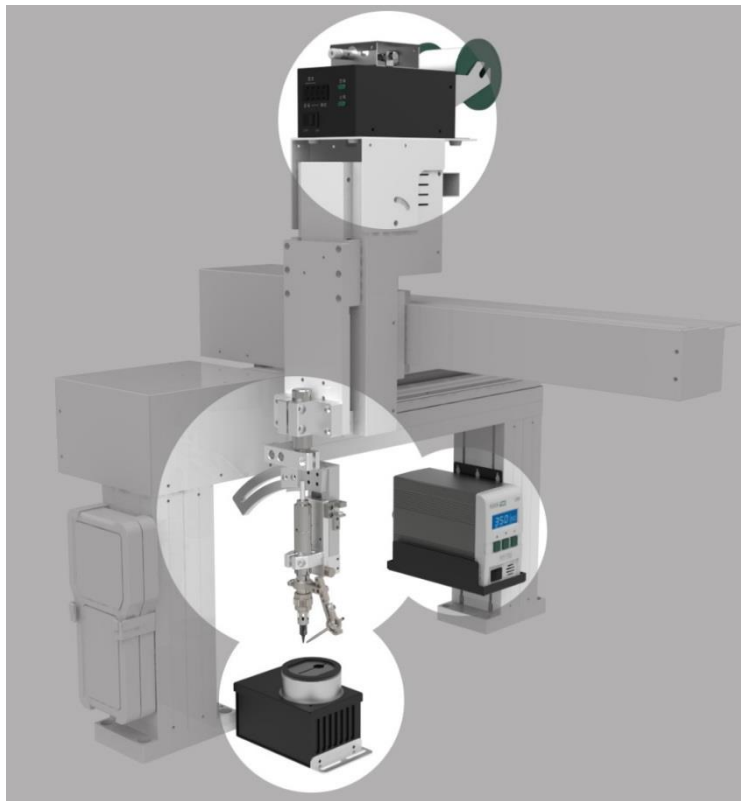Mounting dimensions of the base:
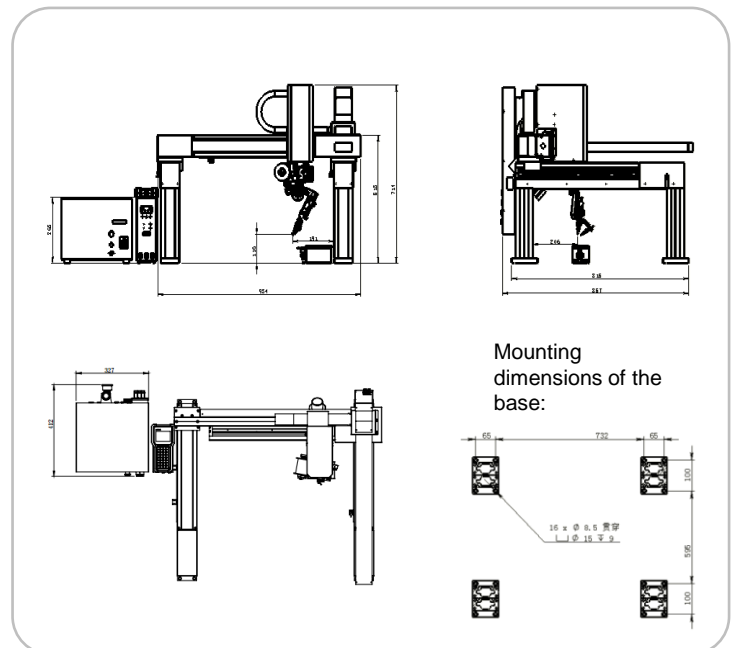
Soldering Components

7050A

promation

262:
"Heating Controller"
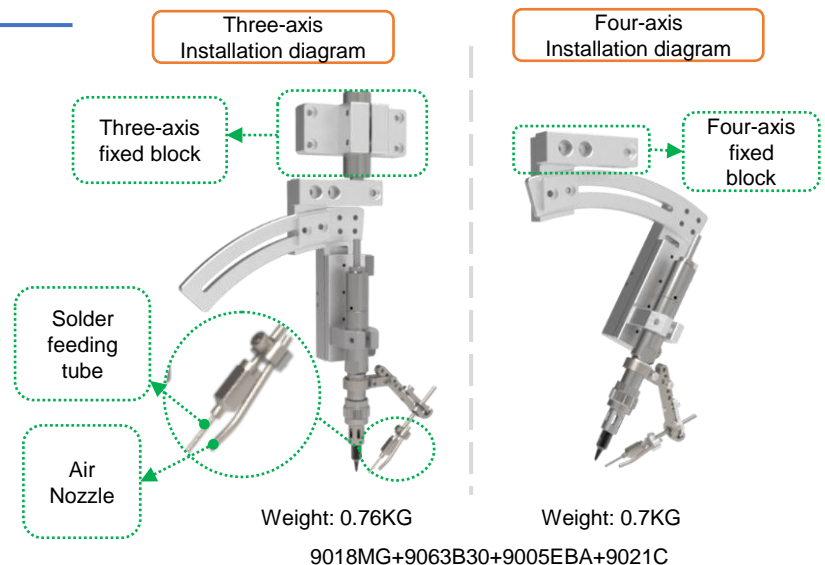Power: 150W
Size: 161*76*128mm
Weight: 1.2KG

371D:
"Solder Wire Controller"
Applicable Solder Wire
Diameter: 0.3-1.2mm
Size: 206*82*98mm
Weight:1.2KG

9026EP:
"Solder Cleaning Station"
Size: 138*77*90mm
Weight: 0.7KG

Features:

- Micro digital display, PID temperature control, temperature rise, and temperature return are extremely fast, and lead-free soldering is truly realized.
- Multiple solder feeding diameters are available and optional, the solder output speed, the solder return length, and the alarm mode are all adjustable.
- Digital temperature calibration, with password protection function.
- Temperature alarm, Solder wire alarm function.
- Push-button temperature adjustment, with automatic sleep and shutdown functions.
- Short circuit protection, Overheating protection, Overvoltage protection, the output power does not change with the fluctuation of the power supply voltage.
- The solder feeding bracket is adjustable in multiple angles, suitable for many occasions.


Three-axis Installation diagram

Three-axis fixed block

Solder feeding tube

Air Nozzle

Weight: 0.76KG

Four-axis Installation diagram

Four-axis fixed block

Weight: 0.7KG

9018MG+9063B30+9005EBA+9021C

System Specifications:

Model		262
	Voltage	220V AC
Heating Specification	Work Rate	150W
	Temperature Range	50°C~500°C (max, Can be selected according of mode)
	Applicable Handle Model	9018MG
Model		371D
Solder Output Specification	Solder Output Speed	50mm/s
	Retracting Solder Length	0 ̲ 4.5mm
	Solder Wire Detection Mode	0_9 (Optional)
	Applicable Solder Wire Diameter (mm)	0.3,0.4,0.5,0.6,0.8,1.0,1.2

Soldering Components
7050AI

promation
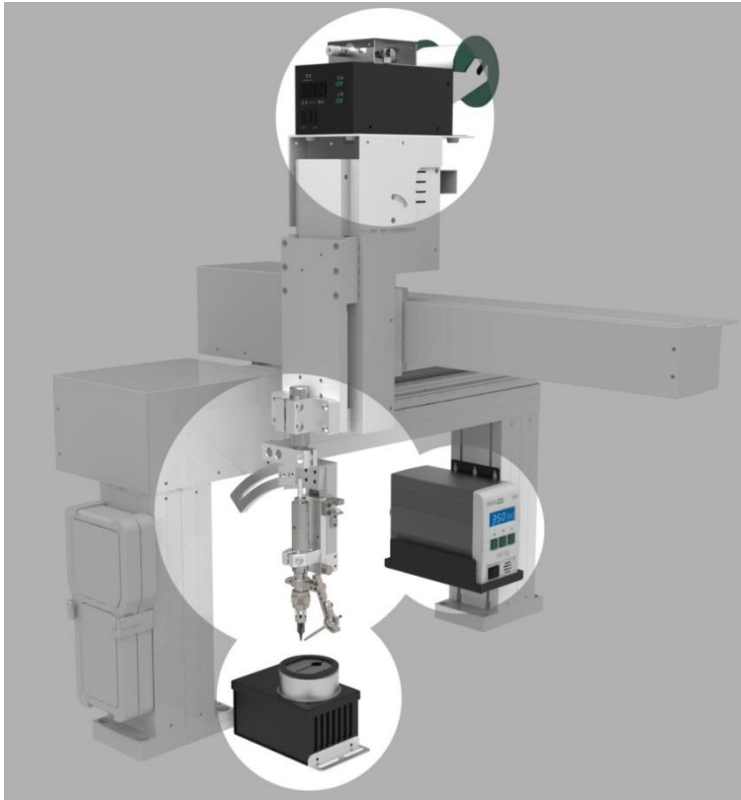
262:
"Heating Controller"
Power: 150W
Size: 161*76*128mm
Weight: 1.2KG

371DI:
"Solder Wire Controller"
Applicable Solder Wire
Diameter: 0.5-1.2mm
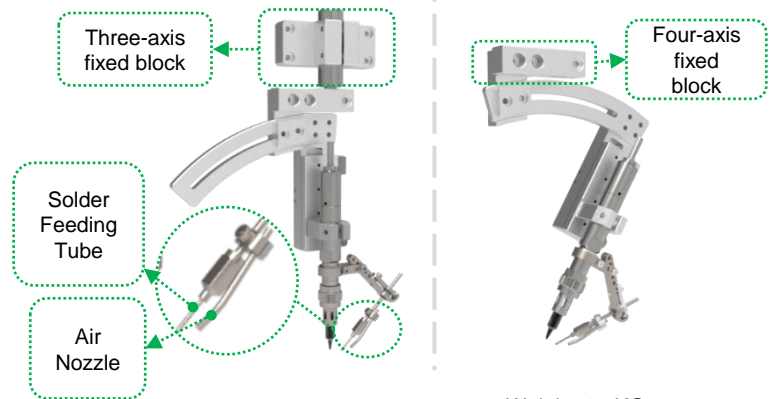Size: 206*82*98mm
Weight: 1.2KG

9026EP:
"Solder Cleaning Station"
Size: 138*77*90mm
Weight: 0.7KG

Features:

- Micro digital display, PID temperature control, temperature rise and temperature return are extremely fast, and lead-free soldering is truly realized.
- Multiple solder feeding diameters are available in a variety of options, and the solder-out speed, solder-back length, and alarm mode are all adjustable.
- Digital temperature calibration, with password protection function.
- Temperature alarm, solder wire alarm function.
- Push-button temperature adjustment, with automatic sleep and shutdown functions.
- Short-circuit protection, Overheating protection, and Overvoltage protection and the output power does not change with the fluctuation of the power supply voltage.
- The solder feeding bracket is adjustable in multiple angles, suitable for many occasions.

Three-axis Installation diagram

Four-axis Installation diagram

Three-axis fixed block

Four-axis fixed block

Solder Feeding Tube

Air Nozzle

Weight: 0.76KG

Weight: 0.7KG

9018MG+9063B30+9005EBA+9021C

System Specifications:

Model		262
Heating Specification	Voltage	220V AC
	Work Rate	150W
	Temperature Range	50°C~500°C (max, can be selected according to working mode)
	Applicable Handle Model	9018MG
Model		**371D**
Solder Output Specification	Solder Output Speed	50mm/s
	Retract Solder Length	0﹍4.5mm
	Solder Wire Detection Mode	0﹍9 (Optional)
	Applicable Solder Wire Diameter (mm)	0.3,0.4,0.5,0.6,0.8,1.0,1.2

Soldering Components

7050B

promation

378CA:
"Heating controller"
Power: 200W
Size: 166*91*257mm
Weight: 2.9KG

371H:
"Solder Wire Controller"
Power: 20W
Applicable Solder Wire
Diameter: 0.3-1.6mm
Weight: 1.1KG
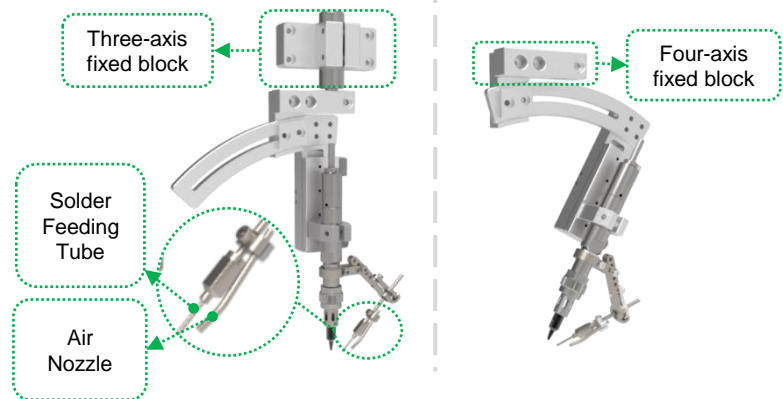Two ways to install: Left and Right

9026EP:
"Solder Cleaning Station"
Size: 138*77*90mm
Weight: 0.7KG

Features:

- With communication interface, can be connected with other equipment such as assembly line.
- Micro digital display, PID Temperature control, rapid heating and temperature recovery, truly lead-free soldering.
- Multiple solder feeding diameters are available, and the solder output speed, solder return length and alarm mode are all adjustable.
- Digital temperature calibration, with password protection function.
- Temperature alarm, Solder wire alarm function.
- Push-button temperature adjustment, with automatic sleep and shutdown functions
- Short circuit protection, Overheating protection, Overvoltage protection, the output power does not change with the fluctuation of the power supply voltage.
- The solder feeding bracket is adjustable in multiple angles, suitable for many occasions.

Three-axis Installation diagram

Four-axis installation diagram

Three-axis fixed block

Four-axis fixed block

Solder Feeding Tube

Air Nozzle

Weight: 0.76KG

Weight: 0.7KG

9018MG+9063B30+9005EBA+9021C

System Specifications:

Model		378CA	
	Voltage	220V AC	
Heating Specification	Work Rate	200W	
	Temperature Range	50°C~500°C (max, can be selected according to working mode)	
	Applicable Handle Model	9018MG	
Model		**371H**	
Output Solder Specification	Solder Output Speed	50mm/s	
	Retract Solder Length	0 ﹍ 4.5mm	
	Solder Wire Detection Mode	0﹍9 (Optional)	
	Applicable Solder Wire Diameter (mm)	0.3,0.4,0.5,0.6,0.8,1.0,1.2,1.6(Optional)	

Soldering Components

7050BI

promation

378CA:
"Heating Controller"
Power: 200W
Size: 166*91*257mm
Weight: 2.9KG

371HI:
"Solder Wire Controller"
Power: 20W
Applicable Solder Wire
Diameter: 0.5-1.6mm
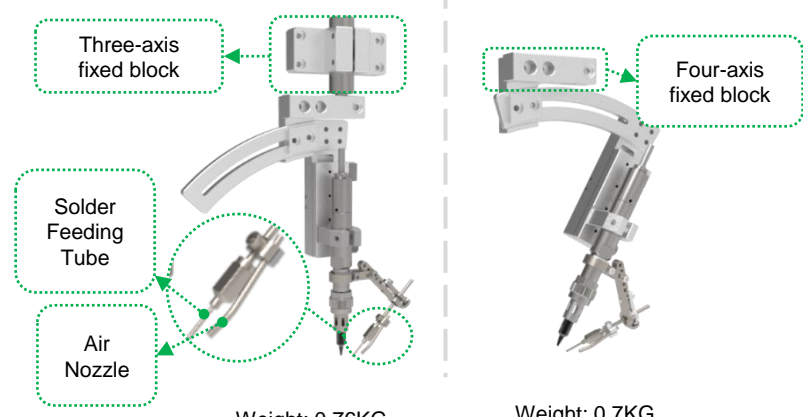Weight:1.3KG
Two ways to install: Left and Right

9026EP:
"Solder Cleaning Station"
Size: 138*77*90mm
Weight: 0.7KG

Features:

- Micro digital display, PID temperature control, temperature rise and temperature return are extremely fast, and lead-free soldering is truly realized.
- Multiple solder feeding diameters are available and optional, the solder output speed, the solder return length and the alarm mode are all adjustable.
- Digital temperature calibration, with password protection function.
- Temperature alarm, Solder wire alarm function.
- Push-button temperature adjustment, with automatic sleep and shutdown functions.
- Short circuit protection, Overheating protection, Overvoltage protection, the output power does not change with the fluctuation of the power supply voltage.
- The solder feeding bracket is adjustable in multiple angles, suitable for many occasions.

Three-axis Installation diagram

Four-axis Installation diagram

Three-axis fixed block

Four-axis fixed block

Solder Feeding Tube

Air Nozzle

Weight: 0.76KG

Weight: 0.7KG

9018MG+9063B30+9005EBA+9021C

System Specifications:

Model		378CA
Voltage		220V AC
Heating Specification	Work Rate	200W
	Temperature Range	50°C~500°C (max, can be selected according to working mode)
	Applicable Handle Model	9018MG
Model		371H
Solder Output Specification	Solder Output Speed	50mm/s
	Retract Solder Length	0 ˍ 4.5mm
	Solder Wire Detection Mode	0ˍ9 (Optional)
	Applicable Solder Wire Diameter (mm)	0.3,0.4,0.5,0.6,0.8,1.0,1.2,1.6(Optional)

Soldering Components

7050C

promation
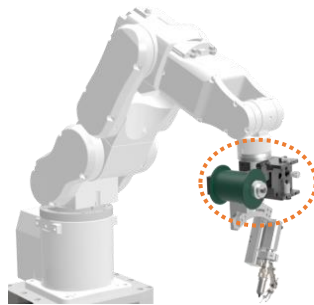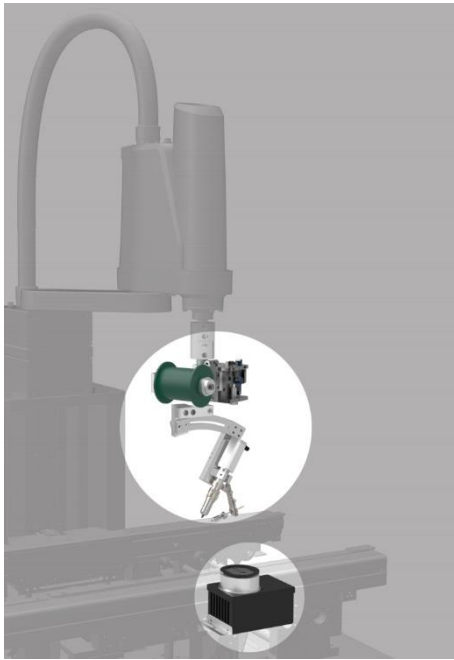
Pre-Installation

378FA:
"Heating Controller"
Power: 200W
Size: 198*98*206mm
Weight: 2.8KG

371T:
"Front Solder Wire Controller"
Power: 20W
Applicable Solder Wire Diameter:
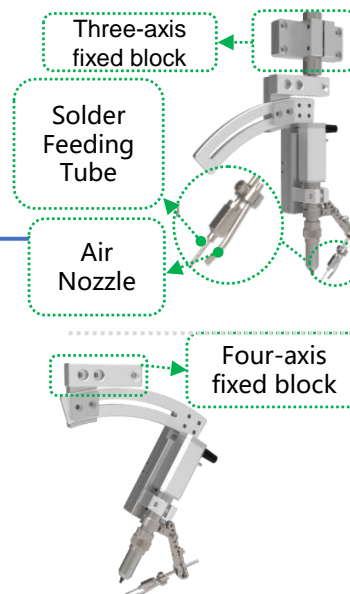0.2-1.2mm
Size: 168*80*112mm
Weight: 0.7KG

9026EP:
"Solder Cleaning Station"
Size: 138*77*90mm
Weight: 0.7KG

371T:
"Side Hanging Solder Controller"
Power: 20W
Applicable Solder Wire Diameter: 0.2-1.6mm
Size: 206*94*111mm
Weight: 0.8KG

Side-Mounted Installation

Three-axis fixed block

Solder Feeding Tube

Air Nozzle

Three-axis Installation diagram

9018BMT:
"End Effector Bracket"
Size (W*H): 200*264mm
Weight: 0.75KG

Four-axis fixed block

Four-axis Installation diagram

9018BMT:
"End Effector Bracket"
Size(W*H): 157*208mm
Weight: 0.7KG

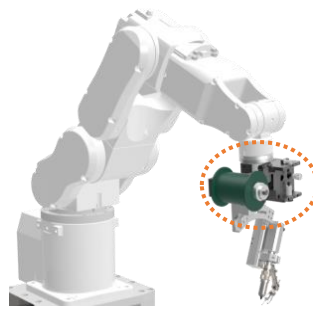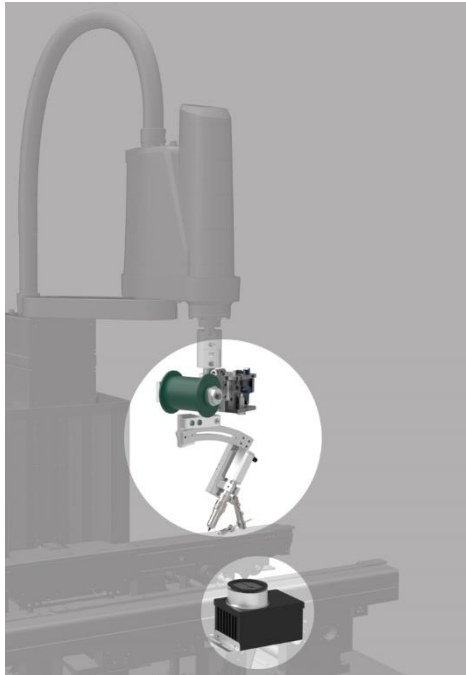9018BMT+9063B30+9005EBA+9021C

Features:

- With communication interface can be connected with other equipment such as assembly line.
- Micro digital display, PID The temperature control, temperature rise and temperature return are extremely fast, and lead-free soldering is truly realized.
- Multiple solder feeding diameters are available and optional, the solder output speed, the solder return length, and the alarm mode are all adjustable.
- Digital temperature calibration, with password protection function.
- Temperature alarm, Solder wire alarm function.
- Push-button temperature adjustment, with automatic sleep and shutdown functions.
- Short circuit protection, Overheating protection, Overvoltage protection, the output power does not change with the fluctuation of the power supply voltage.
- The solder feeding bracket is adjustable in multiple angles, suitable for many occasions.

System Specifications:

	Model	378FA
Heating Specification	Voltage	220V AC
	Work Rate	200W
	Temperature Range	50°C~500°C (max, can be selected according to working mode)
	Applicable Handle Model	9018BMT
	Model	371T
Solder Output Specification	Solder Output Speed	50mm/s
	Retract Solder Length	0 ˷ 4.5mm
	Solder Wire Detection Mode	0˷9 (Optional)
	Applicable Solder Wire Diameter (mm)	0.3,0.4,0.5,0.6,0.8,1.0,1.2

Solder Components
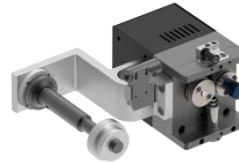
7050CI

promation

Pre-installation

378FA:
"Heating controller"
Power: 200W
Size: 198*98*206mm
Weight: 2.8KG

371TI:
"Front Solder Wire Controller"
Power: 20W
Applicable Solder Wire
Diameter: 0.4-1.2mm
Size: 168*80*112mm
Weight: 0.7KG

9026EP:
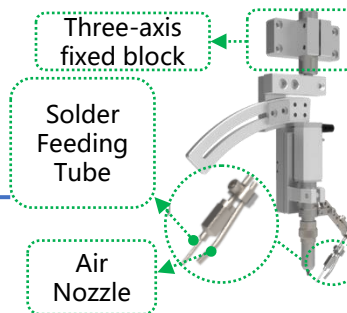"Solder Cleaning Station"
Size: 138*77*90mm
Weight: 0.7KG

371TI:
"Side Hanging Solder Controller"
Power: 20W
Applicable Solder Wire
Diameter: 0.4-1.6mm
Size: 206*94*111mm
Weight: 0.8KG

Side-mounted installation

Three-axis fixed block

Solder Feeding Tube

Air Nozzle

Three-axis Installation diagram

9018BMT:
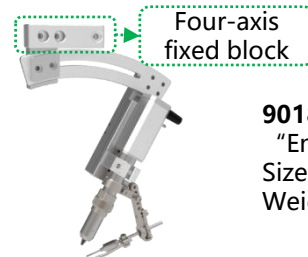"End Effector Bracket"
Size(W*H): 200*264mm
Weight: 0.75KG

Features:

- With communication interface can be connected with other equipment such as assembly line.
- Micro digital display, PID The temperature control, temperature rise and temperature return are extremely fast, and lead-free soldering is truly realized.
- Multiple solder feeding diameters are available and optional, the solder output speed, the solder return length, and the alarm mode are all adjustable.
- Digital temperature calibration, with password protection function.
- Temperature alarm, Solder wire alarm function.
- Push-button temperature adjustment, with automatic sleep and shutdown functions.
- Short circuit protection, Overheating protection, Overvoltage protection, the output power does not change with the fluctuation of the power supply voltage.
- The solder feeding bracket is adjustable in multiple angles, suitable for many occasions.

Four-axis fixed block

Four-axis Installation diagram

9018BMT:
"End Effector Bracket"
Size(W*H): 157*208mm
Weight: 0.7KG

9018BMT+9063B30+9005EBA+9021C

System Specifications:

Model		378FA
Voltage		220V AC
Heating Specification	Work Rate	200W
	Temperature Range	50°C~500°C (max, can be selected according to working mode)
	Applicable Handle Model	9018BMT
Model		371T
Solder Output Specification	Solder Output Speed	50mm/s
	Retract Solder Length	0﹍4.5mm
	Solder Wire Detection Mode	0﹍9 (Optional)
	Applicable Solder Wire Diameter (mm)	0.3,0.4,0.5,0.6,0.8,1.0,1.2

Tabletop Hot Bar Soldering Machine

ET9H393

promation

Features:

3 Axis Control:
Strong load capacity, precision stepper motor, precise speed control, X/YAxis double guided rail, smooth and safe operation

Temperature Control:
Temperature adopts closed loop control, Temperature sensor can be connected externally, and the temperature can be calibrated digitally

MES Features:
Local MES: Read local data.

Real-Time Communication Function:
RS-485 Connect a PC to monitor and set temperature in real time.

Pressure Control:
The pressure sensor triggers the heating controller to work to ensure the consistency of the pressure and temperature of the solder joints.

Alarm Function:
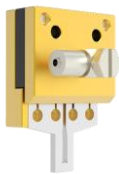Temperature anomaly alarm **&** pressure alarm.

System Specifications:

Model		ET9H393
Motor Axis		3 axis
Total Power		200W
Temperature Power		1500W
Equipment Itinerary	X/Y axis	300mm
	Z axis	100mm
Speed Range	X/Y axis	0.1～600 mm/sec
	Z axis	0.1～300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm
Machine Load	Z axis	5kg
	Platform	8kg
Working Area (X/Y)		300x300mm
Dimensions (L*W*H)		550x590x690mm (Without controller)
Equipment Weight		65kg

Optional Accessories:

Independent roll film device

Titanium head/Molybdenum head conversion assembly

Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range:300*300mm
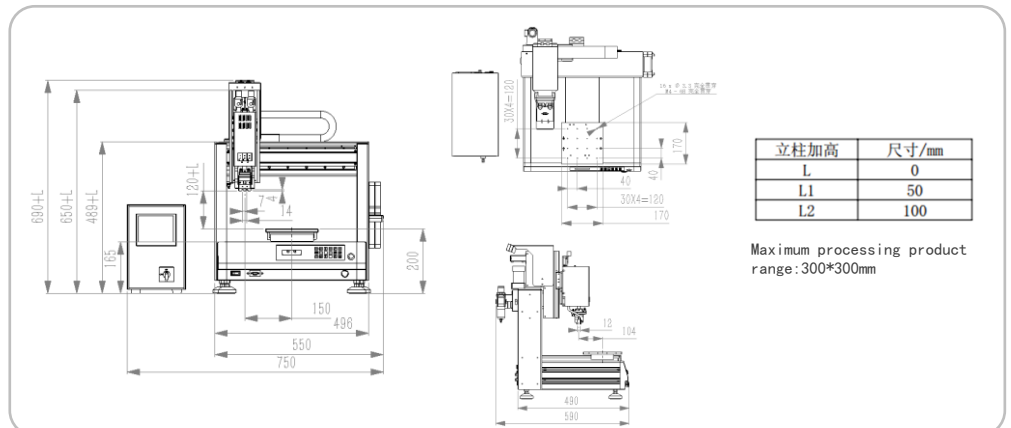
Tabletop Hot Bar Soldering Machine
ET9H593YA

promation

Features:

3 Axis Control:
Strong load capacity, precision stepper motor, precise speed control, X/YAxis double guided rail, smooth and safe operation

Temperature Control:
Temperature adopts closed loop control, Temperature sensor can be connected externally, and the temperature can be calibrated digitally

MES Features:
Local MES: Read local data.

Real-Time Communication Function:
RS-485 Connect a PC to monitor and set temperature in real time.

Pressure Control:
The pressure sensor triggers the heating controller to work to ensure the consistency of the pressure and temperature of the solder joints.

Alarm Function:
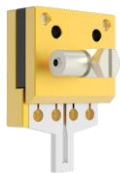Temperature anomaly alarm **&** pressure alarm.

System Specifications:

| Model		ET9H593YA
Motor Axis		3 axis
Total Power		250W
Temperature Power		1500W
Equipment Itinerary	X/Y axis	500mm/400mm
	Z axis	100mm
Speed Range	X/Y axis	0.1～600 mm/sec
	Z axis	0.1～300 mm/sec
Repeat Accuracy	X/Y/Z axis	± 0.02 mm
Machine Load	Z axis	5kg
	Platform	8kg
Working Area (X/Y)		250x400mm (Single Platform)
Dimensions (L*W*H)		700x690x650mm (Without controller)
Equipment Weight		90kg

Optional Accessories:

Independent roll film device

Titanium head/Molybdenum head conversion assembly

Dimensions:

立柱加高	尺寸/mm
L	0
L1	50
L2	100

Maximum processing product range:250*400mm
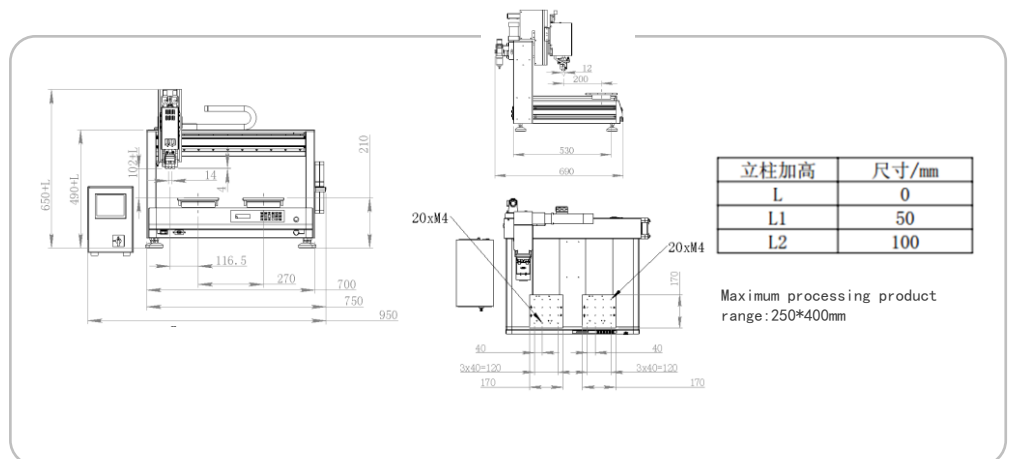
World Class Robotic Soldering Solutions by PROMATION USA

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