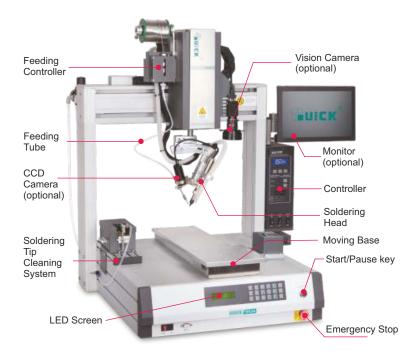




### increases production with less hands • ensures soldering quality for each joint



### **Features**

- High power heating controller, ensures temperature stability in continuous soldering.
- Line Soldering & Point Soldering functions
- Control signal O/P & I/P available.
- Auto cleaning of Soldering Tip
- Hand-held Teaching Pendent for easy programming
- Optional Vision System, normally not required

# **Scope of Supply:**

- 4-Axis 400x400 mm Soldering Robot
- Hand-held Teaching Pendant
- Soldering & Wire Feeding Controller
- Soldering & Wire Feeding Head
- 911G Series Soldering Tip
- Soldering Tip Cleaning System

# **Specifications**

Input Supply		100-240V AC, 50 Hz
Power Consumption		150W
Temperature Range		50~500°C (as per working mode)
Number of Axis		4
	Χ	400mm
Movement Range	Υ	400mm
	Z	100mm
	R	300°
	Χ	0.1-600mm/sec
Speed Range	Υ	0.1-600mm/sec
	Z	0.1-200mm/sec
	R	0.1-600°/sec
	Χ	±0.02mm
Repeat Accuracy	Υ	±0.02mm
	Z	±0.02mm
	R	±0.02°
	Χ	0.01mm
Resolution	Υ	0.01mm
	Z	0.01mm
	R	0.01°
Speed Control		Smoothly
Demo File Number		≤999, Max 60000 points
Process File Number		≤255
Solder Wire Dia		0.3 ~ 2.0 mm (Customer to specify)
Size W×D×H		570 × 570 × 790mm (approx.)
Weight		Around 50kg

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# 4-axis highly reliable and affordably priced Quick Soldering Robots



### increase production with less hand • ensure soldering quality for each joint









**QUICK9334** 

QUICK9244CJ

**QUICK9464** 

QUICK9534Y

#### Features:

- 4-Axis type gantry
- in-line and desktop type
- in-line type for interfacing with external assembly line.

### **Model QUICK9534Y**

- Load and unload the jig quickly, improve the productivity.
- Two Y-Platforms, controlled separately, for almost double production (one Jig can be changed while Soldering is being done on other Jig)

# **Specifications**

Model		QUICK9334	QUICK9244CJ	QUICK9464	QUICK9534Y	
Input Supply		100 ~ 240V AC, 50Hz				
Heating Power		150W				
Temperature Range			50°C ~ 500°C (as pe	er working modes)		
Number of Axis			4			
	Х	300mm	250mm	400mm	500mm	
	Υ	300mm	250mm	400mm	500mm	
Moving Range	Z	100mm	100mm	100mm	100mm	
	R		300	0		
	Χ	0.1 ~ 600	0.1 ~ 300	0.1 ~ 600	0.1 ~ 600	
Moving Speed	Υ	0.1 ~ 600	0.1 ~ 300	0.1 ~ 600	0.1 ~ 600	
	Z	0.1 ~ 200				
	R		0.1 ~ 600	D°/sec		
	Х					
Repeat Accuracy	Υ	±0.02 mm				
	Z					
	R		±0.02	00		
Demo File Number			≤999, max 60	000 points		
Process File Number		≤255				
Solder Wire Diameter		0.3 ~ 2.0 mm (Customer to specify)				
Dimensions (approx.)	4	70x475x780mm	520x635x655mm	580x75x780mm	680x680x780mr	
Weight (approx.)		About 43Kg	About 30Kg	About 55Kg	About 53Kg	

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Warranty is 12 months from the date of invoice. It excludes consumable parts as Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Wool and any mechanically damaged parts. While the information contained herein in, has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part; and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contenting the contention of the continuous improvements.



### increases production with less hands • ensures soldering quality for each joint



### **Features**

- High power Heating Controller
- Unique design of Soldering Head and Tips
- · High precision Solder Wire Feeder
- · Stable and reliable platform
- · Double guide rail design
- · Low noise during high speed movement

### **Unique design of Soldering Head & Soldering Tip**



Limit mechanism for Soldering Tip



Limit mechanism for Heating Element

Plug-in Soldering Tip design for easy replacement of Soldering Tip. Limit mechanism ensures accurate insertion position of Soldering Tips and Heating Element every time.

- **Scope of Supply:**
- 4-Axis type Soldering Robot
- Heating Controller
- Soldering Head
- Soldering Tip Cleaning System
- Teaching Pendant
- Solder Wire Feeder
- 911G Series Soldering Tip

# **Specifications**

Input Supply	: 100 ~ 240 VAC/50Hz
Heating Power	: 180W
Temperature Range	: 50°C ~ 500°C
Number of Axis	: 4
	: X = 200mm
Moving Range	Y = 200mm
	Z = 100mm
	R = 300°
Solder Wire Dia. (mm)	): 0.3 ~ 2.0 mm
	(Customer to specify)
Dimensions (approx)	: 500Wx580Dx780Hmm
Weight (approx)	: 58 kg (approx.)

### Soldering Head & Wire Feeding Controller



- Touch Screen Controls
- Key Lock Function for process control
- Three most frequently used temperatures can be set and switched guickly
- Intelligent precise temperature compensation system, fast temperature recovery.
- High power heating, wide range of Soldering Tips for different soldering applications

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# 3-axis highly reliable and affordably priced Quick Soldering Robots



# increase production with less hand • ensure soldering quality for each joint









**QUICK9533Y** 

QUICK9433 + Vision System

QUICK9333 + Optional Light Curtain

**QUICK9233** 

### **Features**

- High power Heating Controller to ensure stability in continuous soldering
- · Line Soldering & Point Soldering functions
- Auto cleaning of Soldering Tip
- · Optional Vision System, normally not required
- · Optional light curtain and safety cover ensure safety operation
- Two Y-Platforms in Model QUICK9533Y

# **Scope of Supply:**

- 3-Axis type Soldering Robot
- Teaching Pendant
- Heating Controller
- Solder Wire Feeder
- Soldering Head
- Soldering Tip
- Soldering Tip Cleaning System

# **Specifications**

Model		QUICK9533Y	QUICK9433	QUICK9333	QUICK9233		
Input Supply	100 ∼ 240 VAC, 50Hz						
Heating Power	150 Watt						
Temperature Range			50°C ~ 500°C (as p	er working modes)			
Number of Axis			3				
	Χ	500mm	400mm	300mm	250mm		
Moving Range	Υ	500mm	400mm	300mm	250mm		
	Z	100mm	100mm 100mm 100mm				
	Χ	X 0.1 ~ 600mm/sec					
Moving Speed	Υ	Y 0.1 ~ 600mm/sec					
	Z		0.1 ~ 300	Omm/sec			
	Χ						
Repeat Accuracy	Υ	±0.02mm					
	Z						
Demo File Number			≤999, max 6	0000 points			
Process File Number			≤2	55			
Solder Wire Diameter	0.3 ~ 2.0 mm (customer to specify)						
Dimensions WxDxH (approx.)		670x670x580mm	570x570x580mm	470x470x580mm	420x420x580mr		
Weight (approx.)		49 kg	42 kg	38 kg	34 kg		

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# increase production with less hand • ensure soldering quality for each joint









**QUICK9433D** 

**QUICK9320D** 

QUICK9320A

**QUICK9153** 

### Features:

- High power Heating Controller to ensure stability in continuous soldering
- · Line Soldering & Point Soldering functions
- Auto cleaning of Soldering Tip
- Dual Head Models available
- in-line and desktop types



# **Scope of Supply:**

- 3-Axis type Soldering Robot
- Teaching Pendant
- Heating Controller
- Solder Wire Feeder
- Soldering Head & Tip
- Soldering Tip Cleaning System

# **Specifications**

Model		QUICK9433D	QUICK9320D	QUICK9320A	<b>QUICK9153</b>	
Input Supply			100 ~ 240V	AC, 50Hz		
Heating Power			150	W		
Temperature Range		50°C~500°C	80°C ~ 480°C	80°C ~ 480°C	80°C ~ 480°C	
Axis			3			
	Χ	400mm	300mm	300mm	100mm	
Moving Range	Υ	400mm	300mm	300mm	100mm	
	Z	100mm	100mm	100mm	50mm	
	Χ	0.1 ~ 600	0.1 ~ 600	0.1 ~ 600	0.1 ~ 200	
Moving Speed	Υ	0.1 ~ 600	0.1 ~ 600	0.1 ~ 600	0.1 ~ 200	
	Z	0.1 ~ 300	0.1 ~ 300	0.1 ~ 300	0.1 ~ 300	
	Χ					
Repeat Accuracy	Υ	Y ±0.02 mm				
	Z	_				
Demo File Number			≤999, max 60	0000 points		
Process File Number			≤25	55		
Solder Wire Diameter			0.3 ~ 2.0 mm (cus	tomer to specify)		
Dimensions (approx.)		780x730x630mm	720x805x580mm	420x480x580mm	325x325x400m	
Weight (approx.)		About 45Kg	About 42Kg	About 29Kg	About 19Kg	

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# Highly reliable Hot Air Quick SMD Soldering Robot Model 9RB233



# increase production with less hand • ensure soldering quality for each joint



# Hot Air Soldering Robot Model QUICK9RB233

#### Features:

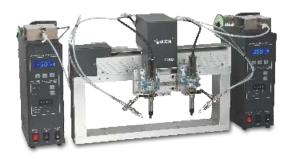
- Non-contact SMD Soldering Robot, suitable for pre-applied solder paste SMD soldering applications
- · Stable air volume, excellent soldering quality.
- Long life Heating Element with precise Temperature Control.

# **Specifications:**

Movement Range	Depends on actual platform
Air Volume	0 ~ 4 L/min
Temperature Range	50 ~ 500°C
Power of Heating Controller	300W

# Highly reliable and affordably priced Quick 1-Axis & 2-Axis Soldering Robots

#### **QUICK9252D**



### **Features:**

X-Movement range: 200mmZ-Movement range: 50mm2-Axis in-line Soldering Robot

Dual Soldering Heads

### **QUICK9101**



#### Features:

- Movement range Z: 100mm
- 1-Axis in-line Soldering Robot









QUICK9018MG

**QUICK9018M** 

QUICK9018AM

Model	QUICK9018MG	QUICK9018M	QUICK9018AM	
Power	150W	150W	150W	
Tip	911/911B/911G Series	911B/911G Series	911B/911G Series	







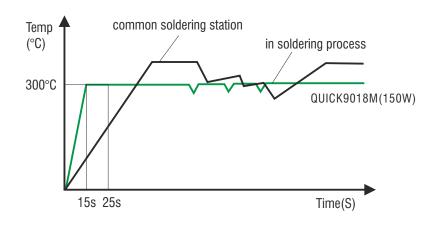
QUICK9018BMT

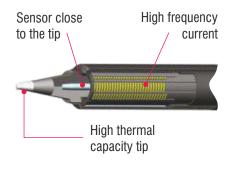
**QUICK9012** 

**QUICK9013** 

Model	QUICK9018BMT	QUICK9012	QUICK9013	
Power	150W	180W	320W	
Tip	911B/911G Series	912 Series	913 Series	

# Temperature Curve Diagram of Soldering Heads used in Soldering Robots







### Stable and Precise Solder Wire Feeding System with wire punching system Model 371HI



- High precision step motor to ensure stable and precise wire feeding
- Punches holes with even distance in solder wire to prevent solder spattering during soldering which prevents pollution and defective soldering
- · Alarm function when solder wire is out or jammed



Motor type : Step Motor Power : 20W

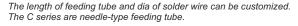
Dia of Solder Wire : 0.3 ~ 2.0 mm Weight : 1kg (approx.)

**Solder Wire Punching System** 

### Feeder Tube Assembly

High precision Feeder Tube Assemblies ensure smooth wire feeding

Model	Length (mm)	Solder Wire Dia
9021(C)-500-0.3	500	0.3mm
9021(C)-500-0.5	500	0.5mm
9021(C)-500-0.6	500	0.6mm
9021(C)-500-0.8	500	0.8mm
9021(C)-500-1.0	500	1.0mm





### Nitrogen Generator Model 9039 to use with Soldering Head Model 9018BMT

This Nitrogen Generator is used with the Soldering Head Model 9018BMT for inert atmospheric soldering. It offers perfect Lead-Free solder joints every time.

The system is designed to pump Nitrogen from the generator towards the Soldering Tip while simultaneously heating the nitrogen using temperature of the Soldering Tip.

This Nitrogen Generator generates 99.9% pure Nitrogen.

Use of Nitrogen have multiple benefits for Lead-Free soldering applications as:

- Improved solder wetting performance
- Shinier solder joint
- Prolonged Soldering Tip life
- Clean soldering with reduced cycle time



Model 9018BMT Soldering Head





Nitrogen Generator

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# Customized Soldering Robot Tips are possible to meet specific requirements

These very long life Soldering Tips are specially designed for high thermal efficiency soldering

### 911B, 911G, 912 and 913-Series Soldering Tips for various Soldering Robots

Types	Part Number	Size (A)	Size (B)	Size (C)	Size (D)
Sloped Type	*** -10PC	1.0mm	0.5mm		
	*** -13PC	1.3mm	0.65mm		
	*** -16PC	1.6mm	0.8mm		
<b>L</b>	*** -20PC	2.0mm	1.0mm		
	*** -24PC	2.4mm	1.2mm		
	*** -30PC	3.0mm	1.5mm		
45"	*** -40PC	4.0mm	2.0mm		
Chisel Type	*** -16D	1.6mm	0.6mm	1.5mm	
4	*** -20D	2.0mm	0.8mm	1.5mm	
	*** -24D	2.4mm	0.8mm	1.5mm	
	*** -30D	3.0mm	1.0mm	2.0mm	
	*** -40D	4.0mm	1.2mm	2.5mm	
	*** -16DV1	1.6mm	1.0mm	0.6mm	1.5mm
V-Notch Type	*** -20DV1	2.0mm	1.2mm	0.8mm	1.5mm
	*** -24DV1	2.4mm	1.4mm	0.8mm	1.5mm
	*** -30DV1	3.0mm	1.6mm	1.0mm	2.0mm
	*** -40DV1	4.0mm	2.0mm	1.2mm	2.5mm
	*** -16DV2	1.6mm	1.0mm	0.6mm	1.8mm
V-Notch Type	*** -20DV2	2.0mm	1.4mm	0.8mm	1.5mm
	*** -24DV2	2.4mm	1.6mm	0.8mm	2.0mm
	*** -30DV2	3.0mm	2.2mm	1.0mm	2.3mm
_	*** -40DV2	4.0mm	3.0mm	1.2mm	2.8mm

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to automate dispensing materials with higher productivity and consistency at lower cost



These desktop Dispensing Robots are simple-to-use and designed for the automation of dispensing operation to minimize working hands. Additionally automated dispensing solution provides precise fluid dispensing. These Robotic Dispensors have 3-Axis high resolution control system which provide easy programming for dots, lines, circles, arcs etc. Besides increasing productivity, these also lower production cost because there is no wastage of dispensing materials.

#### Features:

- · Hand-held programming Pendant for faster and easier programming of different dispensing programs
- · High-precision stepper motors with precise Controller ensures precise dispensing trajectories
- · Dispensing speed and time, both can be set independently for each of different stored programs
- Variety of Dispensing Needles, Syringes, Dispensing Valves etc. to meet different dispensing requirements.

### **Specifications**

Model		Model 8433 Model 8333 Model 823					
Input Supply		100 ~ 240V AC, 50Hz					
Power Consu	ımption	80W					
Number of A	xis		3				
	X	400mm	300mm	250mm			
Moving Range	Υ	400mm	300mm	250mm			
90	Z	100mm	100mm	100mm			
	X	0.1 ~ 600 mm/sec					
Moving Speed	Υ	0.1 ~ 600 mm/sec					
5,755	Z		0.1 ~ 300 mm/sec				
	Х						
Repeat Accuracy	Υ	±0.02 mm					
, 100aa.o,	Z						
Demo File Ca	apacity ≤999, max 60000 points						
Process File	Capacity	ty ≤255					
Dimensions (	approx)	570Wx575Dx580H mm	470Wx480Dx580H mm	420Wx425Dx580H mm			
Weight		39 Kg (approx.) 35 Kg (approx.) 31Kg (approx.)					

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# Various types of Dispensing Controllers are available.







Model 982SL



Model 982SA



**Model 982S2** 

# Different types of Pressure Tanks for different types of dispensing fluids



600mL Stainless Steel Pressure Tank



1, 2 & 2.5L Pressure Tank



3, 5 & 10L Carbon Steel Pressure Tank

# Variety of Dispensing Barrels and other Accessories for different applications



37mL & 50mL AB Glue Barrel



6, 8 & 12 Ounce Barrel



300mL & 330mL Silicon Gel Barrel



**Tooth Paste Barrel** 



**Silicon Gel Connector** 



8005B Syringe Heating System



# Various Dispensing Valves for different types of dispensing fluids application

	Model	Structure Type	Control Method	Feeder Dimension	Air Pressure	Applications
	QVD2121	Thimble	Double Move	1/8	0.4~0.7MPa	Good flow ability, Low adhesivity, Lubricating Grease, Adhesive, Alcohol, ink, UV Gel, Paint, Oil
No.	QVD19	Thimble	Double Move	1/8	0.4~0.7MPa	Good flow ability, Medium adhesivity, Black Gel, Adhesive, Alcohol, ink, UV Gel, Paint, Oil
	QVD25	Thimble	Single Move	1/8	0.4~0.7MPa	Good flow ability, Medium adhesivity, Black Gel, Adhesive, ink, UV Gel, Paint, Oil
P. To	QVH2222	Suck Back	Double Move	1/8	0.4~0.7MPa	Bad flow ability, Medium adhesivity, Grease, Silicon Gel, Epoxy Adhesive, Solder Paste, Oil
44.0	QVH30	Suck Back	Double Move	1/4	0.4~0.7MPa	Bad flow ability, Medium adhesivity, Grease, Silicon Gel Yellow Gel, Epoxy Adhesive.
-	QVZ30	Plunger	Single Move	1/8	0.4~0.7MPa	Good flow ability, Medium adhesivity, Black Gel, Adhesive, Induction Oil, Milky White Gel, UV Gel
	QVD3075	Thimble	Double Move	1/4	0.4~0.7MPa	0.1-3g Adjustable, Butter, Solder Paste, Lubricating Oil
	QVH3242AB1	Single Air Cylinder Adjustable Suck Back	Double Move	1/8	0.4~0.7MPa	AB Double Group Gel, Medium Feeding Volume, Total Feeding Volume Adjustable
The state of the s	QVWM-530TS	Fan Shape Jet Value	Double Move	1/8	0.4~0.7MPa	Medium and low adhesive fluid, Large scale painting (5-15mm)

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# Wide range of Barrels and Needles for different dispensing applications

### **Syringe Adaptors**

Straight design in conjunction with high precision piston, with excellent flow properties and high withstand voltage characteristics, can achieve precise dispensing.

Model	Adapter
10CC	10CC
30CC	30CC
55CC	55CC
300CC	300CC







### **Dispensing Needles**

Each needle is made using precision machining, precision polishing needle tube wall, no edges, to ensure continuous dispensing accuracy.

#### **Stainless Steel Needles**



Model	Inner dia	Outer dia
14G	1.60mm	2.10mm
15G	1.40mm	1.80mm
16G	1.26mm	1.60mm
18G	0.86mm	1.26mm
20G	0.60mm	0.90mm
22G	0.40mm	0.70mm
23G	0.33mm	0.63mm
25G	0.26mm	0.50mm
28G	0.15mm	0.35mm

#### **Plastic Base Stainless Steel Needles**



Model	Inner dia	Outer dia
14G	1.52mm	2.10mm
16G	1.25mm	1.60mm
18G	0.84mm	1.27mm
20G	0.60mm	0.91mm
21G	0.51mm	0.82mm
22G	0.41mm	0.72mm
23G	0.34mm	0.64mm
25G	0.26mm	0.51mm
28G	0.18mm	0.40mm

#### **Teflon Needles**



Model	Hole Dia
21G	0.51mm
25G	0.30mm
27G	0.20mm

### **All-Plastic Inclined Needles**



Model	Hole Dia
14G	1.55mm
16G	1.21mm
18G	0.84mm
20G	0.61mm
22G	0.41mm
25G	0.26mm

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