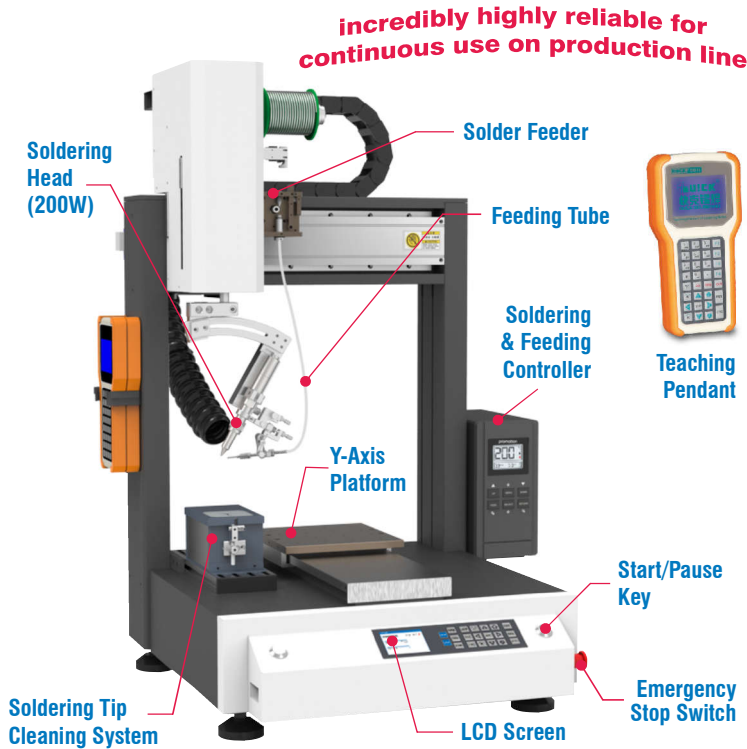


increases production with less hands • ensures soldering quality for each joint



incredibly highly reliable for continuous use on production line

Features

Motion Platform

E-Series Soldering Platform is of high speed & high accuracy with low noise, closed-loop control of Y-axis, no lost steps, strong load capacity, easy maintenance, rich I/O interfaces, support MES to read local data and expand operation use, two-hand start (optional), ESD safe

Heating Controller

QUICK378FA Heating Controller uses high frequency eddy current heating for stable and reliable temperature, fast thermal recovery, RS-485 interface for real-time monitoring and to set parameters like temperature, solder feeding etc, alarm for abnormal temperature and solder shortage etc.

Soldering Pencil

QUICK9018M Soldering Pencil has front temperature sensor for quick sensing of solder joint temperature fluctuation and rapid thermal recovery.

Solder Feeder

QUICK371TAA, small size and high precision. controlled by precision stepper motor, the minimum solder feeding length can reach 0.1mm, solder shortage and block alarm function available.

Teaching Pendant

QUICK9011D Teaching Pendant, supports array and group functions, with the function of side points, and supports various processes such as single-step operation, integral machining, simulated operation and automatic circular

Scope of Supply:

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

[Click here to view Video](#)

Specifications		Model: ET9384E-BB1	Model: ET9484E-BB1
Input Supply		100-240V AC, 50 Hz	100-240V AC, 50 Hz
Heating Controller Power		200W	200W
Power Consumption		600W	600W
Temperature Range		50 ~ 500°C	50 ~ 500°C
Number of Axis		4	4
Movement Range	X & Y	300mm	400mm
	Z	100mm	100mm
	R	±180°	±180°
Moving Speed	X & Y	0.1 ~ 800mm/sec	0.1 ~ 800mm/sec
	Z	0.1 ~ 300mm/sec	0.1 ~ 300mm/sec
	R	±0.1 ~ 800°/sec	±0.1 ~ 800°/sec
Repeat Accuracy	X, Y & Z	±0.01mm	±0.01mm
	R	±0.02°	±0.02°
Operating Range		240 x 300mm	340 x 400mm
Maximum Payload	Z-Axis	3 kg	3 kg
	Platform	8 kg	8 kg
Dimensions (WxDxH)		633 x 618 x 852 mm	732 x 723 x 852 mm
Weight		45 kg	55 kg

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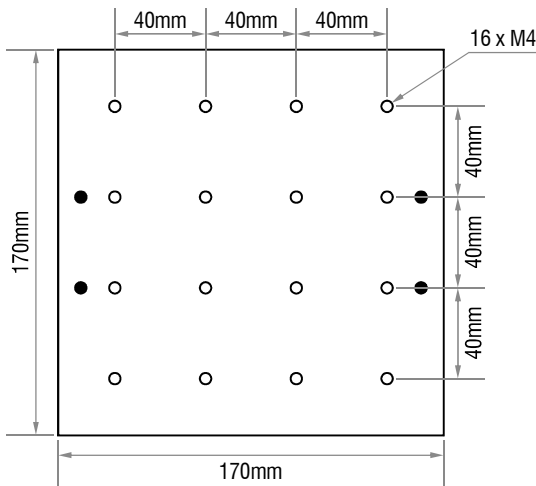
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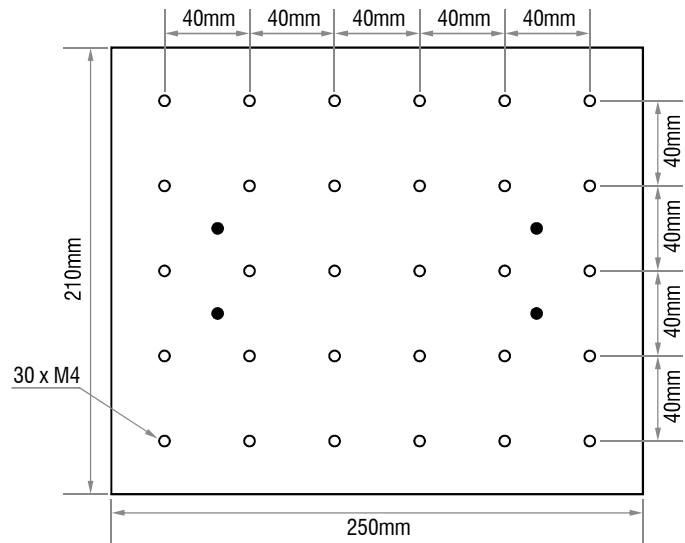
Few user references (many with repeat orders) in India for Robotic solutions by Quick

- Minda Stoneridge, Pune (more than 10 in repeat....repeat orders in the last 3 years)
- Amphenol, Chennai (repeat orders)
- Mag Power, Pune
- Mindarika, Gurgaon
- Nidec, Neemrana (Japanese MNC) more than 10
- Interface, Gurgaon
- Nokia, Chennai (repeat orders)
- Precision Electronics Hyderabad
- Flash, Pune
- BG LI-IN, Aurangabad
- Tyntix, Bangalore

Platform Layout of Soldering Robots to prepare PCB Fixture as per your applications



Model ET9384E-BB1



Model ET9484E-BB1

Optionally available Accessories for these Soldering Robots

Tip Position Calibration Device Model QUICK9036

- High positioning precision of 0.02mm
- Long life as it uses photo-electric non-contact type of test
- One key operation, just press "Calibrate" to complete while calibrating the tips position
- Automatically calibrate the coordinates after replacing the tip, eliminate to coordinates differences occur due to tip replacement
- Suitable for many applications in 3-axis and 4-axis Robots



Nitrogen Generator Model QUICK9036

- No need of the power supply, just need compressed air
- Provide Nitrogen with the purity of 99.9%
- Used with QUICK9018BMT Soldering Pencil to improve the soldering efficiency



Powerful Fumes Extraction System Model FumePRO101-50LC

⇒ Extensively used in Soldering Robots, Solder Pot, R&D lab etc.

No Plumbing required
Just position on the
Table as needed

Burn-proof type
Fume Absorbers

Rigid
Gooseneck
Arms can be
positioned
anywhere
on table

Scope of Supply

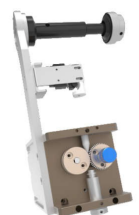
- 1x FumePRO101 Main Extraction Unit
- 1x Extraction Arm (50mm dia, 1.2m long)
- 1x Round Fume Absorbing Hood
- 1x Speed Control Regulator
- 5x Spare Pre-Filters



Solder Wire Feeder Model QUICK371TIAA

The Feeder in this version is adapted to be mounted in the upper part of the robot's head (on the housing). The wire feeding mechanism is based on a stepper motor and a cutting gear system. The cut of the solder wire translates into better flux flow, less spatter and its more effective operation.

Available for 0.5mm to 1.2mm dia solder wires



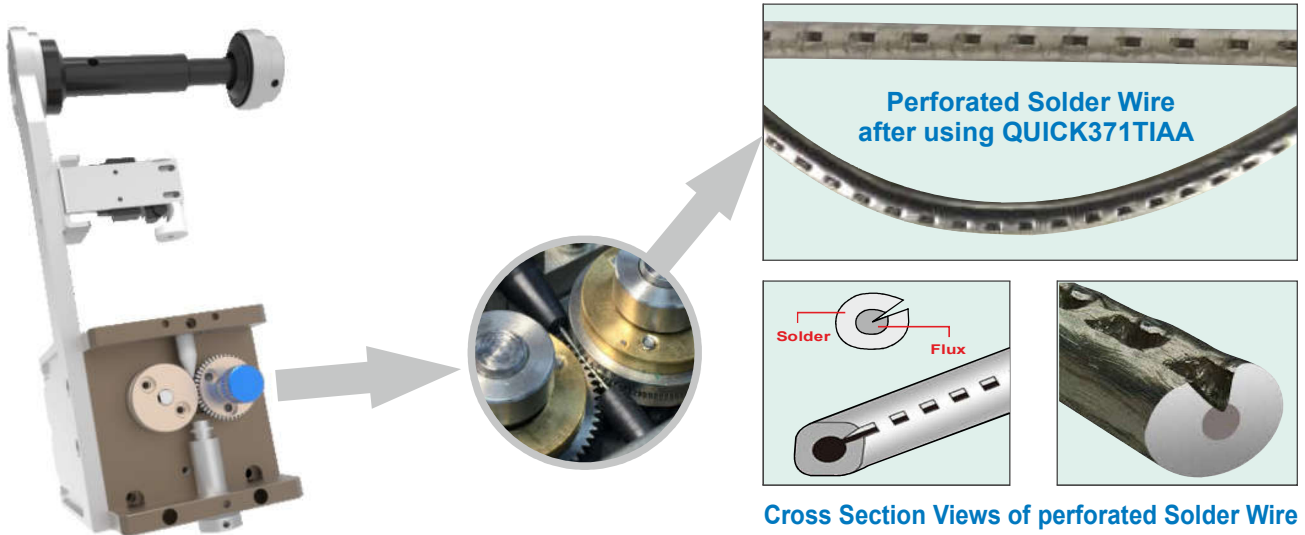
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avoids solder balls formation during soldering

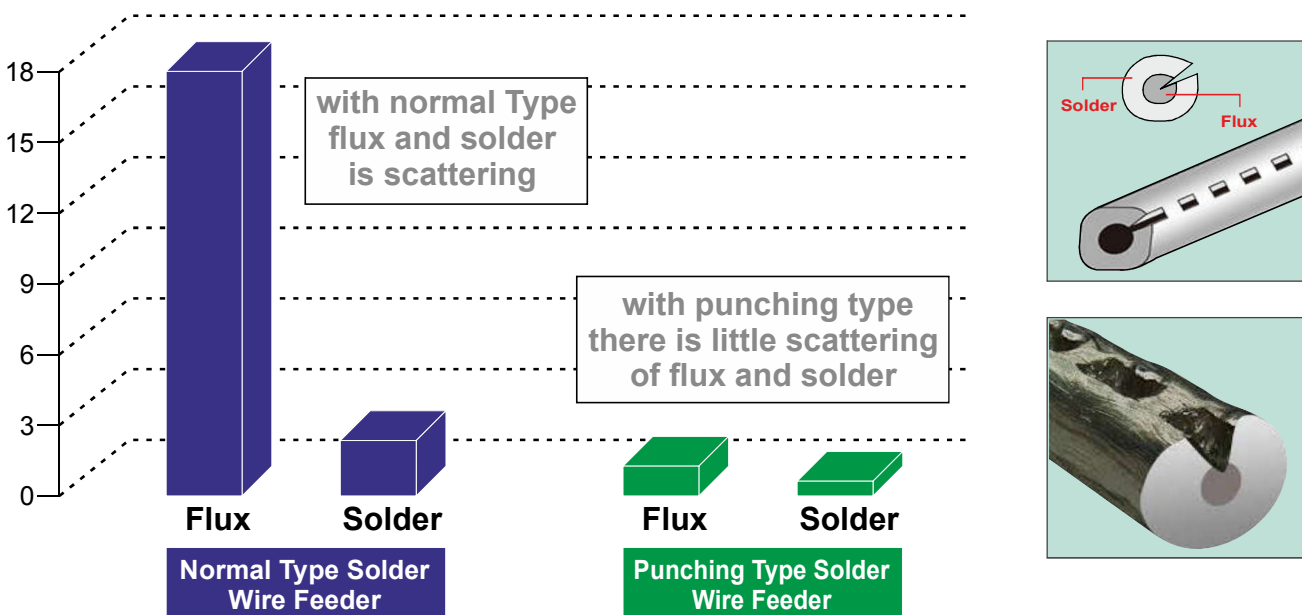
Selection of Solder Wire Feeder is also critical and important to avoid Solder Balls formation and splashing of solder and flux during Soldering

Latest Technology Punching/Perforated Type We recommend latest technology Punching type Soldering Wire Feeder for Robotic Soldering which punches holes in soldering wires at regular interval and allows better Flux flow and out-gassing during the soldering process which avoids SOLDER FLUX SPLASHES and avoids formation of Soldering Balls during soldering



Various examples of solder ball formation during soldering with normal type Feeding Unit

Graphical representation of micro Solder Balls and Flux Scattering



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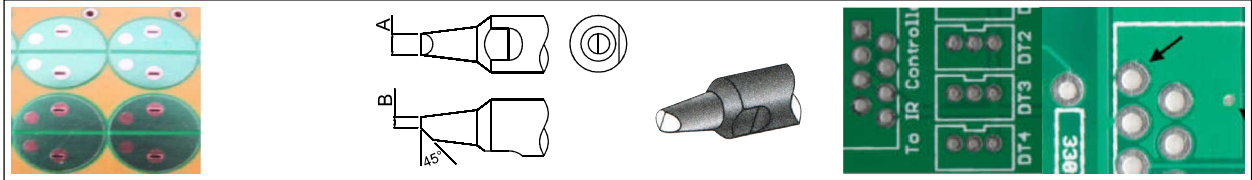
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Customized Soldering Robot Tips are possible to meet specific requirements

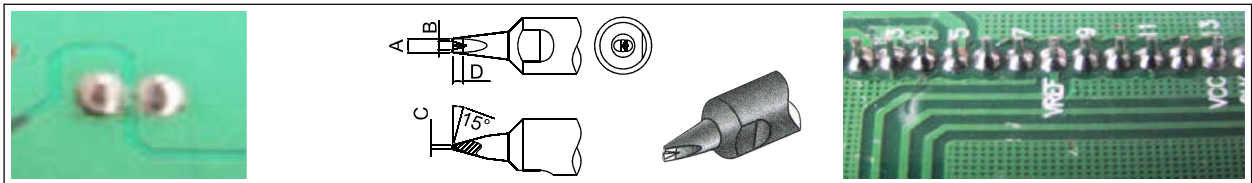
Why selection of correct Soldering Tip is critical and important to ensure quality of each Soldering Joint and also to achieve practically zero rejection for Solder Joints

Soldering Tip selection plays an important role to optimize soldering quality. That is why it is necessary to select the most suitable Soldering Tip. Below are few illustrations for selection of Soldering Tips for different applications.

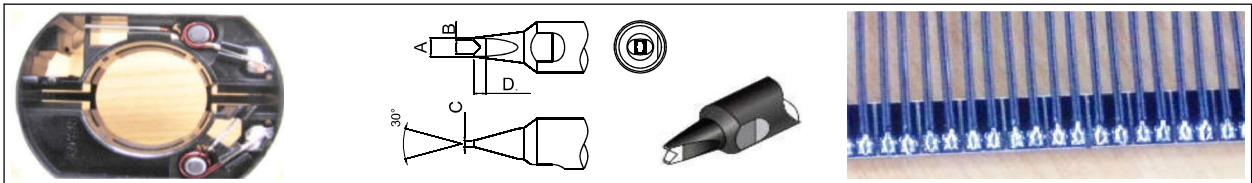
PC type of Soldering Tip is recommended for large pads



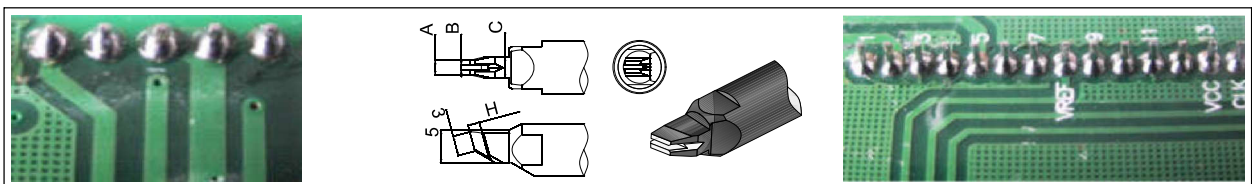
DV1 type of Soldering Tip is recommended for thru hole leads & connector/LCD pins



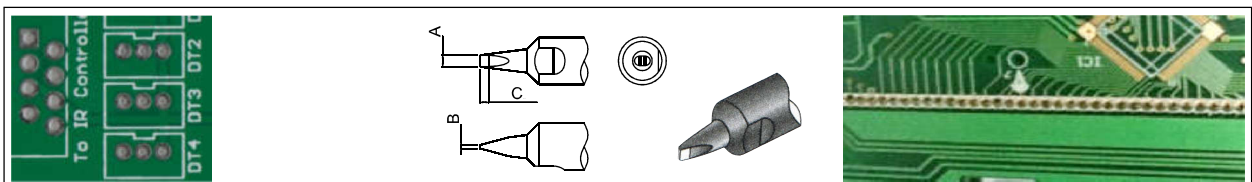
DV2 type of Soldering Tip is recommended for wire harnessing



N type of Soldering Tip is recommended for drag soldering of row of connectors



D type of Soldering Tip is recommended for line and point soldering on PCBs



We will be able to help you to select correct Soldering Tip, for that we need following from you:

- a) Photo/s of your Jobs on which you want to solder
- b) Photo/s of your components which you want to solder

Please either email these at romesh1947@gmail.com or Whatsapp on Cell: 9316134502

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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		
	*** -20PC	2.0mm	1.0mm		
	*** -24PC	2.4mm	1.2mm		
	*** -30PC	3.0mm	1.5mm		
	*** -40PC	4.0mm	2.0mm		
Chisel Type 	*** -16D	1.6mm	0.6mm	1.5mm	
	*** -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	
V-Notch Type 	*** -16DV1	1.6mm	1.0mm	0.6mm	1.5mm
	*** -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
V-Notch Type 	*** -16DV2	1.6mm	1.0mm	0.6mm	1.8mm
	*** -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
N Type 	*** -22N08H18	2.2mm	0.8mm	3.2mm	1.8mm
	*** -28N08H15	2.8mm	0.8mm	3.6mm	1.5mm
	*** -30N10H20	3.0mm	1.0mm	4.0mm	2.0mm
	*** -32N12H23	3.2mm	1.2mm	4.0mm	2.3mm
	*** -32N12H28	3.2mm	1.2mm	4.0mm	2.8mm

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