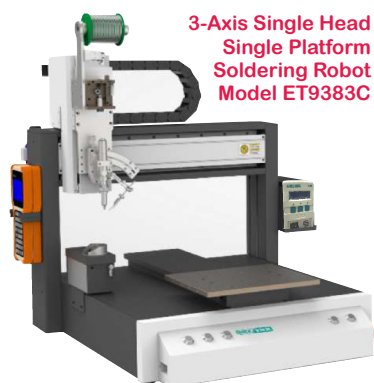


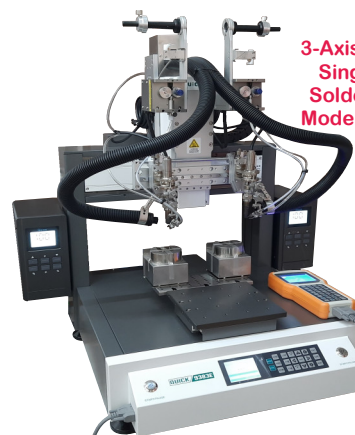
SNo.	Customer's Name & City	Qty	SNo.	Customer's Name & City	Qty
1	Amphenol, Chennai	10	16	Nokia, Chennai	2
2	Bharat FIH Limited, Kancheepuram	4	17	Prama Hikvision India Pvt. Ltd., Pune	9
3	Danlaw Electronics Assembly Ltd., Goa	2	18	Precision Electronics, Hyderabad	1
4	Flash, Pune	1	19	Reanu Micro Electronics Pvt. Ltd., Pune	1
5	Flexi Efficads Pvt. Ltd., Bangalore	1	20	Rising Stars Mobile (I) Pvt. Ltd., Kancheepuram	5
6	IHD Industries Pvt. Ltd.	1	21	Sahyadri Udyog, Pune	1
7	Intelux Electronics Pvt. Ltd., Pune	1	22	Schneider Electric India Pvt. Ltd., Bangalore	1
8	Interface, Gurgaon	1	23	Shakti Pumps (I) Ltd., Pithampur	1
9	Kostal India Pvt. Ltd., Vellore	10	24	Siddharth One, Mumbai	1
10	Mag Power, Pune	1	25	Sritech Electronics, Bangalore	1
11	Minda Stoneridge, Pune (in repeat orders)	12	26	Sumitron Exports Pvt. Ltd., Delhi	7
12	Mindarika, Gurgaon	1	27	Swaran Enterprises, Gurgaon	1
13	MUP Electronics Nashik	1	28	Tymtix, Bangalore	1
14	Nidec, Neemrana (Japanese MNC)	40	29	Vijay Electricals, Ahmednagar	1
15	Nidec Industrial Automation Hubli	2	30	Vishal Engineering Company, Pune	3



3-Axis Single Head
Single Platform
Soldering Robot
Model ET9383C



4-Axis Single Head
Single Platform
Soldering Robot
Model ET9384C



3-Axis Dual Head
Single Platform
Soldering Robot
Model ET9383ED



4-Axis Single Head
Dual Platform
Soldering Robot
ET9584EYA-BB1

[Video link of Soldering Robotic Machine](#)

Single Axis
Soldering Robot
Model ET9181



We supply incredibly high reliability proven (customers are using for more than 12 years now) robotics solutions for different soldering applications, with support and spare parts back-up

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Inde Enterprises, 745 Sector 8-B, Chandigarh 160009

✉ **info@indeonline.in** • ☎ **9316134502, 0172-4614415**

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INSTALLATION, COMMISSIONING AND TRAINING REPORT

This is to certify that Inde Enterprises have successfully installed 4 nos. of 3-Axis Soldering Robot Model QUICKET9383E-BB1 at Amphenol Omniconnect India Pvt. Ltd., APG Plant-2, Plot number 21, CMDA's Industrial Area, Chitamanur Village, Maraimalai Nagar - 603209. All these robots have been supplied against Amphenol PO # 15294 dated 11/03/2023. Installation done from 29th May to 3rd June 2023.

Also, training has been given by Pankaj Sood-Manager (Robotics and Automation), Inde Enterprises, Chandigarh covering following points:

- 1 How to Operate Soldering Robots.
- 2 About mechanical settings.
- 3 How to make the Programs.
- 4 How to edit, download and run the existing Programs.
- 5 How to edit and correct the specific points in existing Programs.
- 6 Tips on preventive maintenance.
- 7 How to correctly replace the Solder Wire and Soldering Tips.

We have also addressed the programs optimization points in their 4 nos. of old supplied Robots.

P 3/6/23

Pankaj Sood
Manager - Robotics & Automation
Inde Enterprises, Chandigarh



Shebindas 03/06/23

Mr. A. Shebindas
(APG - Maintenance)
Amphenol Omniconnect India Pvt. Ltd.



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INSTALLATION, COMMISSIONING AND TRAINING REPORT

This is to certify that Inde Enterprises have successfully installed one Dual Head 3-Axis Soldering Robot & one 3-Axis Dispensing Robot at Nidec India Private Limited, Plot No.: SP2-1 to 4, Majrakath Neemrana, Alwqar, Rajasthan 301705. Both these robots are supplied against Nidec PO # 2020020131. Installation done from 11 October, 2021 to 14 October, 2021

Also training has been given by Inde Enterprises on following:

- 1 How to Operate Soldering & Dispensing Robots
- 2 How to do settings on both Robots
- 3 How to make the Programs
- 4 How to edit the Programs
- 5 How to run the Programs

Following persons from Nidec India Private Limited attended training:

- 1 Swresh
- 2 Manish Kumar
- 3 Ramendra
- 4 Beenu
- 5 Shiteswari
- 6 Aditya



Suraj
14/10/2021



Inde Enterprises, 745 Sector 8-B, Chandigarh 160009

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INSTALLATION, COMMISSIONING AND TRAINING REPORT

This is to certify that Inde Enterprises have successfully installed 4-Axis Soldering Robot Model QUICKET9584EYA-BB1 (Single Head-Dual Platform) at Nidec Industrial Automation India Private Limited, Plot No. 205 & 208, 2nd Stage, Gamanagatti Industrial Area, Hubli - 580025. This Soldering Robot have been supplied against their PO# 24CTWR0011 dated 14/02/2024. Installation and training done from 27th June to 1st July 2024 (excluding Sunday).

Also, training has been given by Pankaj Sood-Manager (Robotic and Automation), Inde Enterprises, Chandigarh covering following points to Mr. Channabasappa.C.

- 1 How to Operate Soldering Robots.
- 2 About mechanical settings.
- 3 How to make the Programs.
- 4 How to edit download and run the existing Programs.
- 5 How to edit and correct the specific points in existing Programs.
- 6 Tips on preventive maintenance.
- 7 How to correctly replace the Solder Wire and Soldering Tips.

Pankaj Sood

Manager - Robotics & Automation
Inde Enterprises, Chandigarh

Mr. Channabasappa. C.

(Senior Engineer - MED)
Nidec Industrial Automation India Private Limited





Inde Enterprises, 745 Sector 8-B, Chandigarh 160009

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Installation, Commissioning & Training Report

This is to certify that Inde Enterprises have successfully installed Soldering Robot Model QUICKET9484E-BB1 at IHD Industries Pvt. Ltd., B-25&26, SIPCOT Industrial Park, Irrungattukottai, Sriperumbudur, Kancheepuram 602117 which was supplied by us against their PO No: IHD/2025-26/MNT/074 dated 22-July, 2025. Installation has been done from August 11 to August 14, 2025.

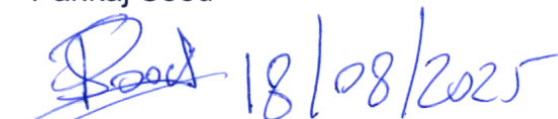
Also training has been given by Mr. Pankaj Sood, Manager - Robotics & Automation, Inde Enterprises, Chandigarh on the following.

- 1 How to Operate a Soldering Robot Machine
- 2 How to make, edit and run Programs
- 3 How to replace Solder Tip
- 4 How to Calibrate Soldering Station
- 5 How and when to replace Heating Element and Temperature Sensor
- 6 How to replace Solder Wire Spool

Following people attended the training:

- 1) Mr. Aravindh - Maintenance Department
- 2) Mr. Vijay - Maintenance Department

Pankaj Sood


18/08/2025
Manager - Robotics & Automation
Inde Enterprises, Chandigarh

Mr. Udhaya Kumar


18/08/2025
Maintenance Department
IHD Industries Pvt. Ltd., Irrungattukottai





Inde Enterprises, 745 Sector 8-B, Chandigarh 160009

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INSTALLATION, COMMISSIONING AND TRAINING REPORT


This is to certify that Inde Enterprises have successfully installed 4-Axis Soldering Robot **Model QUICK9434** at **Danlaw Electronics Assembly Limited, L-15, Verna Industrial Estate, Verna, Salcette, Goa** which was supplied against your PU Number 30001023 dated 26-June, 2019. Installation period from 9th August, 2019 to 14th August, 2019

We have also given training by Mr. Pankaj Sood, Manager - Robotic & Automation, Inde Enterprises, Chandigarh on the following:

- 1 How to Operate Machine
- 2 How to make, edit and run Programms
- 3 How to replace Soldering Tip
- 4 How to Calibrate Soldering Station
- 5 How and When to replace Heating Element and Temperature Sensor
- 6 How to replace Solder Wire Spool

Following persons attended training:

- 1 Mr. Datta Prasad Patil
- 2 Mr. Vipul Haldankar
- 3 Mr. Sarvesh Polle

 14/08/2019

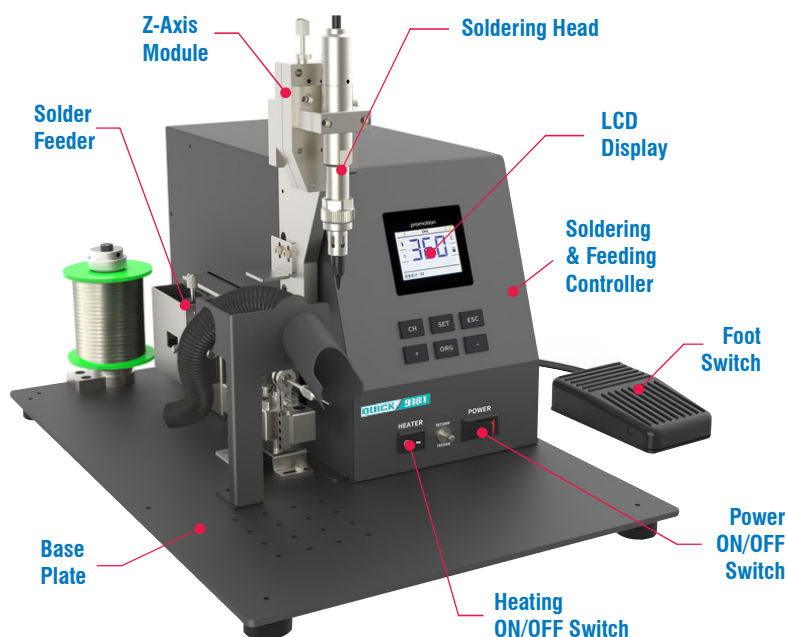
Mr. Pankaj Sood
Manager - Robotics & Automation
Inde Enterprises, Chandigarh

 14/08/2019

Mr. Shireesh Phal
Sr. Manager (Production)
Danlaw Electronics Assembly Limited, Goa



For reliable soldering of wires with Connector Pins with high productivity



Features

- Specially designed for soldering cables, USB, connectors, aviation plugs, PCB, terminals and switches etc.
- Designed to replace manual soldering stations to improve soldering efficiency, consistency and quality
- Concise appearance and stable heavy duty structure.
- LCD screen, soldering time and wire feeding parameters are adjustable
- Stepper motor controlled, no need of external compressed air
- Easy programming, no need for any separate programming module
- High frequency current heating provided precise temperature and faster temperature recovery.

Scope of Supply:

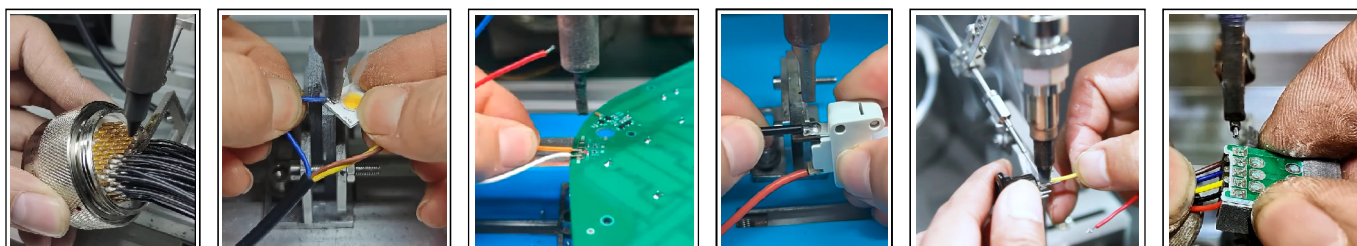
- 1-Axis Soldering Robot
- Soldering & Wire Feeding Controller
- Soldering Head & Wire Feeder
- Soldering Tip
- Foot Switch
- Instruction Manual

[Click here to view Video](#)

Specifications	Model: ET9181
Input Supply	100-240V AC, 50 Hz
Power Consumption	280W
Temperature Range	200 ~ 500°C
Temperature Stability	±3°C (No load)
Number of Axis	1
Motor Range	80mm
Soldering Time	0.01 ~ 9.99S
Solder Wire Diameter	0.8, 1.0, 1.2, 1.6mm
Dimensions (WxDxH)	285 x 420 x 265 mm
Weight	13 kg

Few Applications

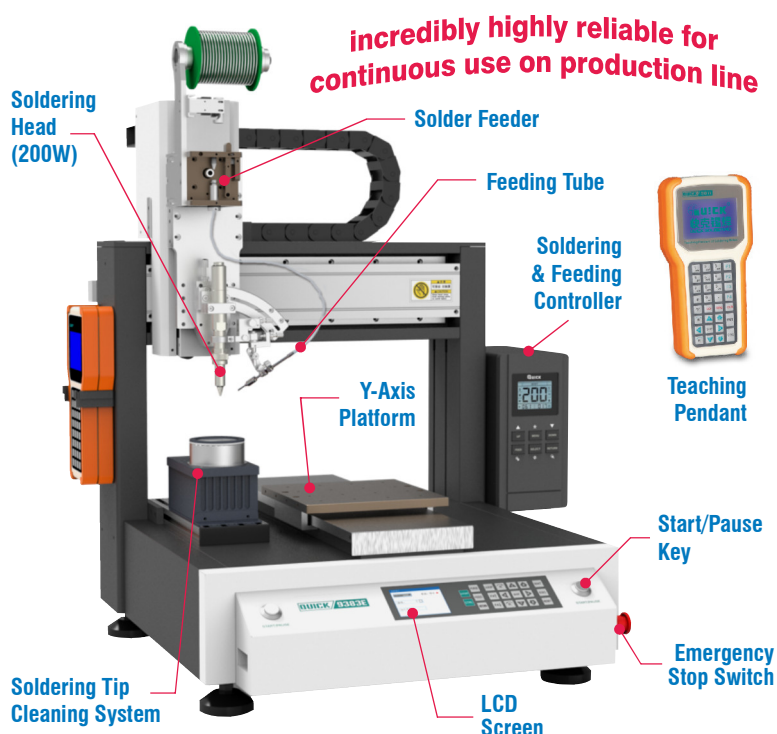
- Communications industry: Data, USB, HDMI and FPC Cables
- Photovoltaic industry: LED Strips, Rectifier, Endura LEDs, Lamps
- Home appliance: Remote Control Panels, Control Boards, Switches
- Automotive industry: Ignition Switch, Sensors, Automobile ECUs



Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of 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. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

on-site services can be provided at extra charges if pre-paid by customer in advance

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



Scope of Supply:

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

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

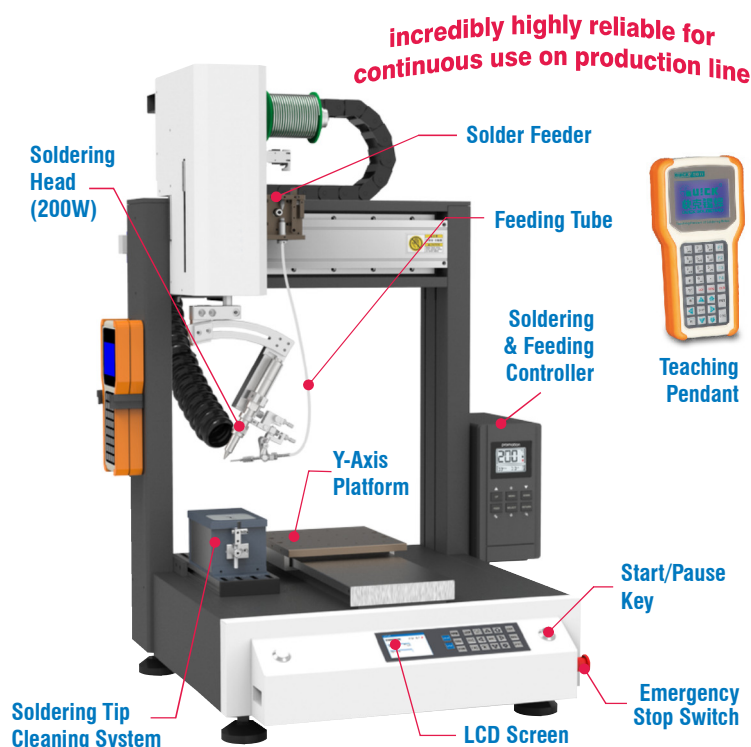
QUICK9011D Teaching Pendant, supports array and group functions, with the function of side points, and supports various processes such as single-step operation, integral machining, simulated operation and automatic circular

Specifications		Model: ET9383E-BB1	Model: ET9483E-BB1
Input Supply		100-240V AC, 50 Hz	100-240V AC, 50 Hz
Heating Controller Power		200W	200W
Power Consumption		500W	500W
Temperature Range		50 ~ 500°C	50 ~ 500°C
Number of Axis		3	3
Movement Range	X & Y	300mm	400mm
	Z	100mm	100mm
Moving Speed	X & Y	0.1 ~ 800mm/sec	0.1 ~ 800mm/sec
	Z	0.1 ~ 300mm/sec	0.1 ~ 300mm/sec
Repeat Accuracy	X, Y & Z	±0.01mm	±0.01mm
Operating Range		240 x 300mm	340 x 400mm
Maximum Payload	Z-Axis	5 kg	5 kg
	Platform	8 kg	8 kg
Dimensions (WxDxH)		630 x 607 x 730 mm	733 x 710 x 742 mm
Weight		40 kg	45 kg

Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of mechanically damaged parts.
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on-site services can be provided at extra charges if pre-paid by customer in advance

4-Axis type is used when angular movement of Soldering Head is required



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

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

Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of 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. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

on-site services can be provided at extra charges if pre-paid by customer in advance

Dual Soldering Heads provide parallel soldering on 2 contacts at same time



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:

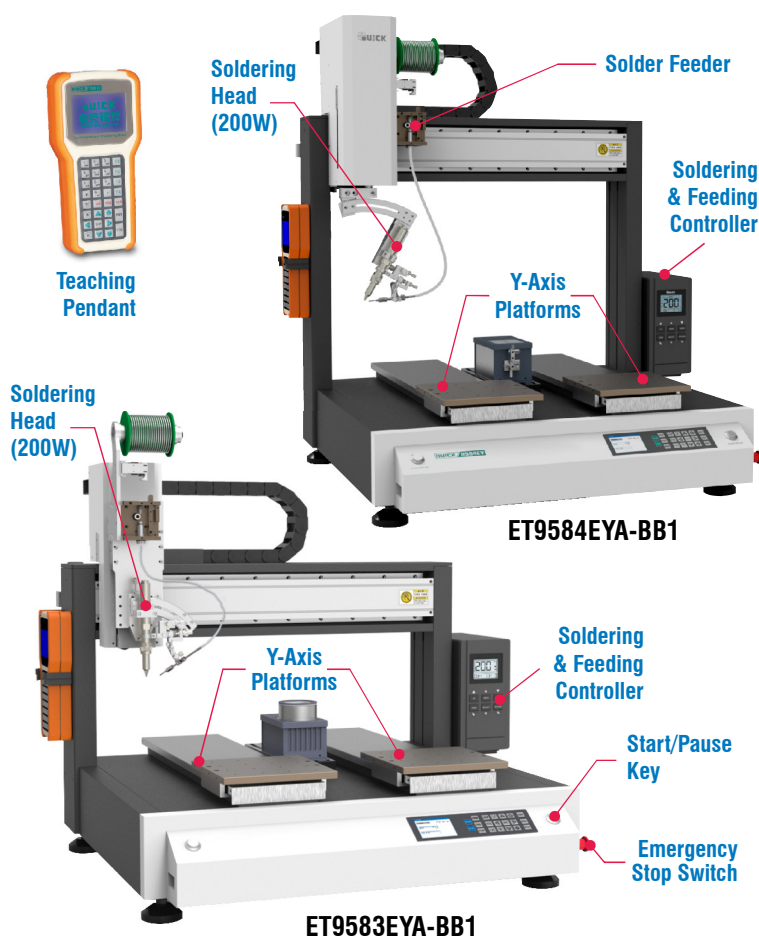
- 3-Axis Dual Head Soldering Robot
- Hand-held Teaching Pendant
- Soldering & Wire Feeding Controller
- Soldering & Wire Feeding Head
- 911G Series Soldering Tip
- Soldering Tip Cleaning System

Specifications		Model: ET9383ED-BB1	Model: ET9483ED-BB1
Input Supply		100-240V AC, 50 Hz	100-240V AC, 50 Hz
Heating Controller Power		200W	200W
Power Consumption		700W	700W
Temperature Range		50 ~ 500°C	50 ~ 500°C
Number of Axis		3	3
Movement Range	X & Y	300mm	400mm
	Z	100mm	100mm
Moving Speed	X & Y	0.1 ~ 800mm/sec	0.1 ~ 800mm/sec
	Z	0.1 ~ 300mm/sec	0.1 ~ 300mm/sec
Repeat Accuracy	X, Y & Z	±0.01mm	±0.01mm
Operating Range		300 x 240mm	400 x 340mm
Maximum Payload	Z-Axis	5 kg	5 kg
	Platform	8 kg	8 kg
Dimensions (WxDxH)		690 x 615 x 765 mm	790 x 715 x 765 mm
Weight		40 kg	45 kg

Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of 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. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

on-site services can be provided at extra charges if pre-paid by customer in advance

increases production rate by minimizing loading and unloading time of fixtures



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

Specifications		Model: ET9583EYA-BB1	Model: ET9584EYA-BB1
Input Supply		100-240V AC, 50 Hz	100-240V AC, 50 Hz
Heating Controller Power		200W	200W
Power Consumption		500W	600W
Temperature Range		50 ~ 500°C	50 ~ 500°C
Number of Axis		3	4
Movement Range	X & Y	500mm & 400mm	500mm & 400mm
	Z	100mm	100mm
	R	-	±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
Repeat Accuracy	X, Y & Z	±0.01mm	±0.01mm
	R	-	±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

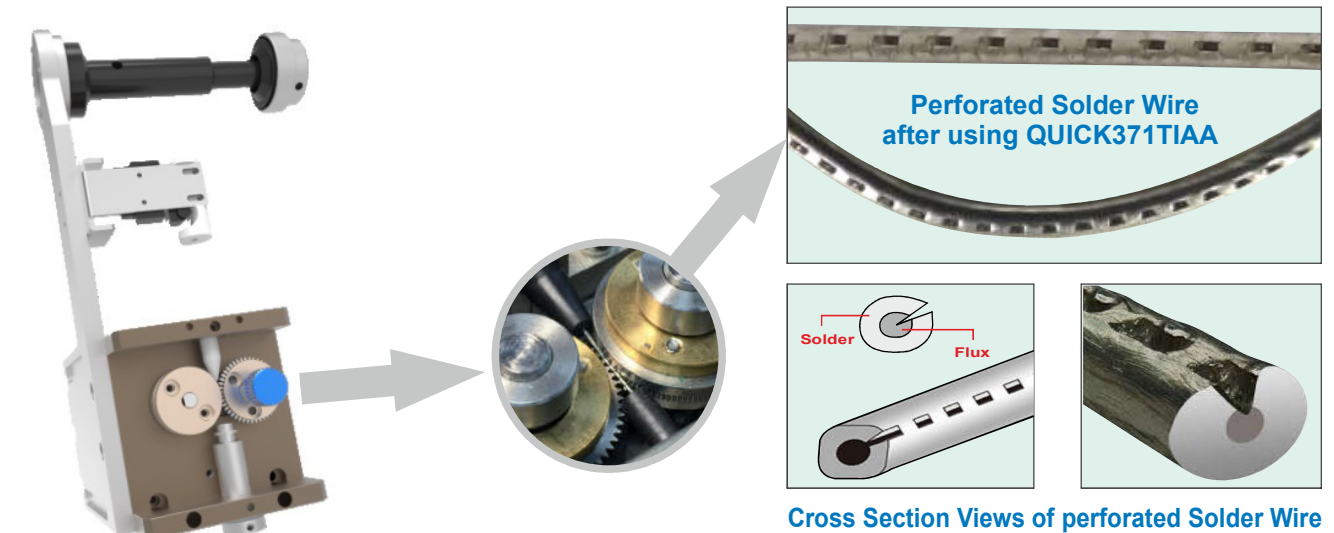
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on-site services can be provided at extra charges if pre-paid by customer in advance

avoids solder balls formation during soldering

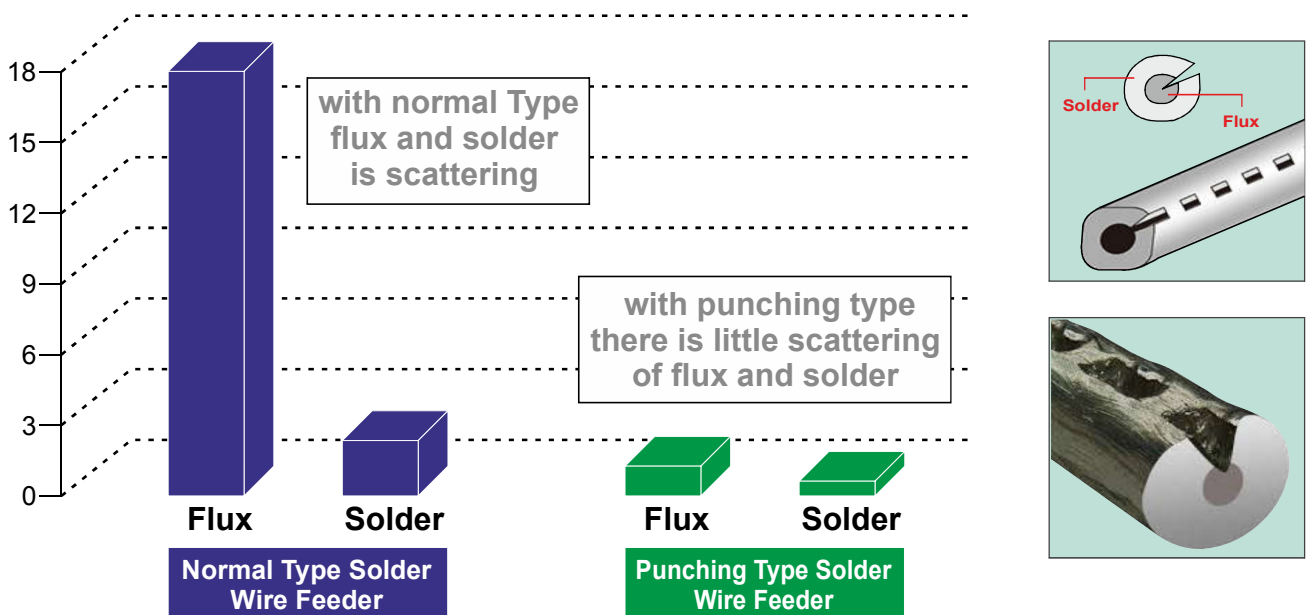
Selection of Solder Wire Feeder is also critical and important to avoid Solder Balls formation and splashing of solder and flux during Soldering

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



Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of 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. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

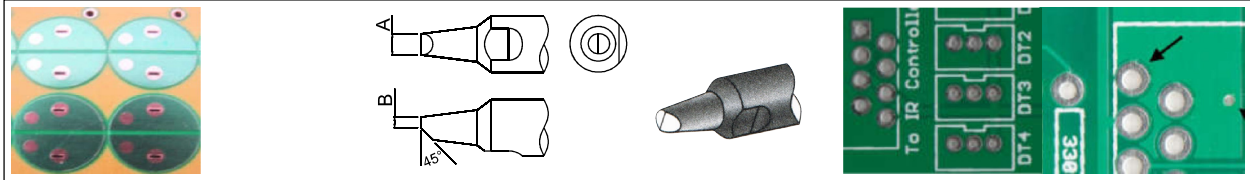
on-site services can be provided at extra charges if pre-paid by customer in advance

Customized Soldering Robot Tips are possible to meet specific requirements

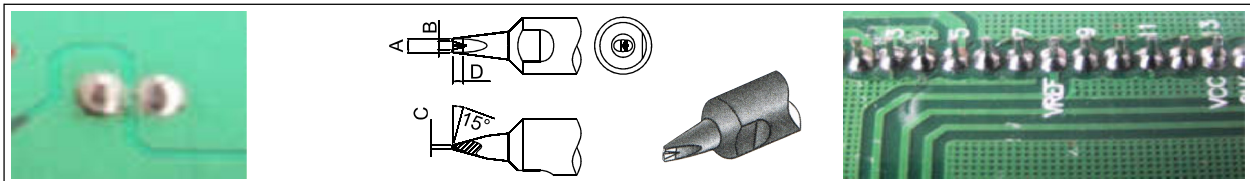
Why selection of correct Soldering Tip is critical and important to ensure quality of each Soldering Joint and also to achieve practically zero rejection for Solder Joints

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.

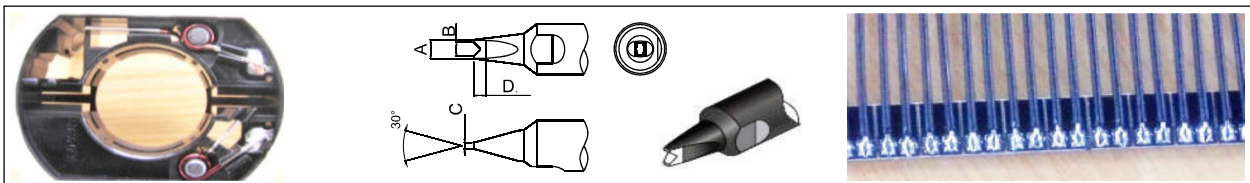
PC type of Soldering Tip is recommended for large pads



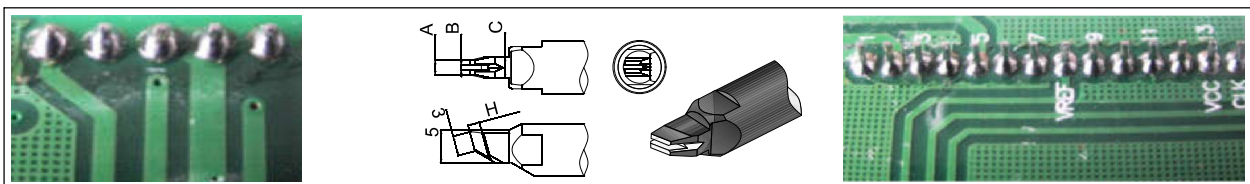
DV1 type of Soldering Tip is recommended for thru hole leads & connector/LCD pins



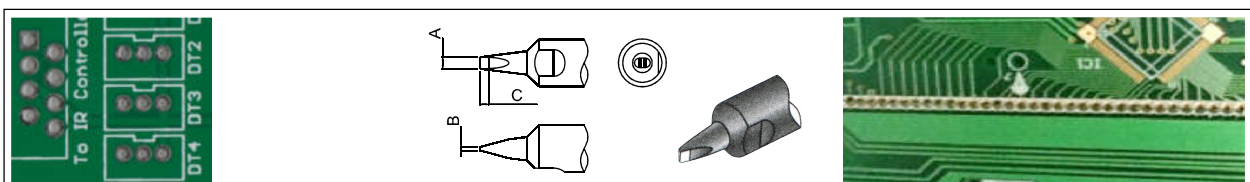
DV2 type of Soldering Tip is recommended for wire harnessing



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

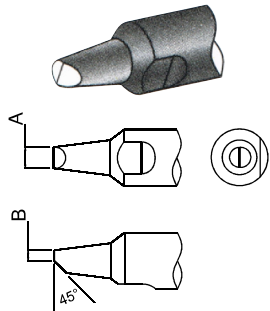
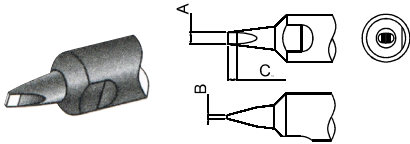
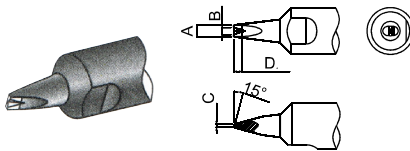
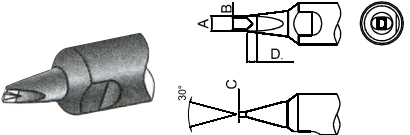
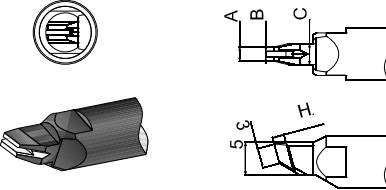
Please either email these at romesh1947@gmail.com or Whatsapp on Cell: 9316134502

Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of 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. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

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Customized Soldering Robot Tips are possible to meet specific requirements

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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used for soldering multiple contacts of flexible ribbons like in LCD Panels



Features

Motion Platform

Y axis controlled by closed-loop motor, with strong load capacity and accurate speed control, double-rail for X/Y axis, precise moving, multiple groups of soldering process parameters selectable, can read parameters through MES and can be started with both hands (single or two hand optional), which is safe & reliable.

Heating Controller

Intelligent temperature control system, accurate and stable temperature, closed-loop temperature control, RS485 communication function which can communication with PC/PLC, alarm of abnormal temperature available.

Pressure Assembly

Closed-loop pressure control with abnormal pressure alarm

Teaching Pendant

9011D Teaching Pendant, supports array and group functions, easily cope with mold deviation and deviation of tip replacement, can support multiple processing modes such as single-step operation, integral processing, simulated operation, and cyclic automatic processing.

[Click here to view Video](#)

Scope of Supply:

- Desktop Hotbar Robot
- Hand-held Teaching Pendant
- Pressure Assembly
- Operating Manual

Application Field:

- Smart Phones
- Smart Watches
- TWS Headsets
- Laptops

Specifications		Model: ET9H383
Input Supply		100-240V AC, 50 Hz
Heating Controller Power		1500W
Power Consumption		200W
Temperature Range		50 ~ 500°C
Number of Axis		3
Movement Range	X & Y	300mm
	Z	100mm
Moving Speed	X & Y	0.1 ~ 600mm/sec
	Z	0.1 ~ 300mm/sec
Repeat Accuracy	X, Y & Z	±0.02mm
Operating Range		300 x 300mm
Maximum Payload	Z-Axis	5 kg
	Platform	8 kg
Dimensions (WxDxH)		480 x 530 x 670 mm (without heating controller)
Weight		45 kg (without heating controller)

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