

Inde Enterprises, 745 Sector 8-B, Chandigarh 160009

2 9316134502, 0172-4614415



Please download latest datasheets from our website: http://www.indeonline.in • Our GST No.: 04AAAFI6116P1ZC

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.

Pankaj Sood

Manager - Robotics & Automation Inde Enterprises, Chandigarh

Maraimalai Nagar 603 209

Mr. A. Shebindas

(APG - Maintenance)

Amphenol Omniconnect India Pvt. Ltd.



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 9 quantity out of 26 quantity Dispensing Robots Model QUICK8320A at Prama Hikvision India Private Limited, Hira Industrial Estate Park, Near NH-8, Opposite Sai Vihar Resturant, Vasai Phata, Vasai (East) 401 208 which was supplied against your Purchase Order Number: PHIPL/FACTORY/19-20/127 dated 13 June, 2019. Installation period from 16th September, 2019 to 19th September, 2019.

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

- 1 How to Operate Dispensing Robot
- 2 How to do settings of vacuum and Air Pressure
- 3 How to make the programs
- 4 How to edit the programs
- 5 How to run the programs

Following persons from Prama Hikvision India Private Limited attended training:

- 1 Mr. Parag Akre
- 2 Mr. Prasad Mali
- 3 Mr. Ankit Mahale
- 4 Mr. Ankush Khaire
- 5 Mr. Swapnil Sambare
- 6 Mr. Neeraj Kumar

INDIA PLANTING

Alex Hong

Supply Chain Management Center

Prama Hikvision India Private Limited

Quick Intelligent Equipment Co., Ltd.

Add: No.11, Fengxiang Road, Wujin High-Tech Development Zone, Changzhou Jiangsu China

Post code: 213166

Tel: 0519-86225678 86576372 Fax: 0519-86558599

E-Mail: overseas@quick-global.com Website: www.quick-global.com

TO WHOM IT MAY CONCERN IN INDIA

We certify that we are working for complete professional indian market with:

Inde Enterprises

Head Office: 745 Sector-8B

Chandigarh 160 009

Contact: Romesh K. Singhal, Chief executive

Email: info@indeonline.in Cell Phone: +91 93161 34502

Since mid of 2007 covering all our Models, including Dispensing Robots, Soldering Robots, Fume Extraction Systems, SMT/Thru-hole Rework Systems, Soldering Stations and other products made by us.

We also certify that many Models Inde Enterprises sell in above, are made by us exclusively for them: few examples are MFRS500USB, DSSLF04HESD, ISSD70, FumePro201-75, FES2-75 Fume Extraction System

Whatever Inde Enterprises sell in India and made by us, will not be offered by us directly to any other indian party for selling in india. This way Inde Enterprises has already made good investment to keep good stock of all our spare parts with them and also provides the necessary after-sales-service support for our products which they sell. This support is very important for all our present and future Indian customers.

This certification will remain valid till Mar 31st, 2025.

Quick Intelligent Equipment Co., Ltd.

快克智能装备股份有限公司 QUICK INTELLIGENT EQUIPMENT CO.,LTD.







Mr.Qi Guoqiang Managing Director

Partial User References (not complete list) of Soldering & Dispensing Robots



SNo.	Customer's Name & City	Qty				
1	Amphenol Omniconnect India Private Limited, Chennai (in repeat orders)					
2	Bharat FIH Limited, Kanchipuram (in repeat orders)	4				
3	Danlaw Electronics Assembly Limited, Goa	2				
4	Flexi Efficads Private Limited, Bangalore	1				
5	Intelux Electronics Private Limited, Pune	1				
6	Kostal India Private Limited, Vellore (in repeat orders)	14				
7	Mag Power, Pune	1				
8	Minda Instruments Limited, Pune (in repeat orders)					
9	MUP Electronics, Nashik					
10	Nidec India Private Limited, Neemrana (in repeat orders)	18				
11	Nidec Industrial Automation India Private Limited., Hubli					
12	Prama Hikvision India Private Limited, Mumbai					
13	Precision Electronic Components Manufacturing Company, Hyderabad	1				
14	Reanu Micro Electronics Private Limited, Pune	1				
15	Sahyadri Udyog, Pune					
16	Shakti Pumps (India) Limited, Pithampur					
17	Siritech Electronics, Bangalore	11				
18	Vijay Electricals, Ahmednagar	1				
19	Vishal Engineering Company, Pune	3				



Warranty is 12 months from the date of invoice. It excludes all consumable parts as





We supply incredibly high reliability proven (customers are using for more than 10 years now)

robotics solutions for soldering, dispensing and screw locking at with our total technical support and spare parts back-up

Click here to view DEMO Video of Soldering Robot



3-Axis Single Dispensing Head Dispensing Robot Model ET8283

Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of mechanically damaged parts.

3-Axis Single Screwing Head Screw Locking Robot Model ET7383K

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

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R SL1



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



Scope of Supply:

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

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.



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	$0.01 \sim 9.99$ S
Solder Wire Diameter	0.8, 1.0, 1.2, 1.6mm
Dimensions (WxDxH)	285 x 420 x 265 mm
Weight	13 kg

Applications

- Communications industry: Data cable, USB, HDMI and FPC etc.
- Photovoltaic industry: LED strip, rectifier, EnduraLED and lamp etc.
- Home appliance: remote control panel, control board, computer speakers and switches etc.
- Automotive industry: Ignition switch, Sensor, Automobile ABS ECU and navigator etc.
- · Toys: smart toys PCBA and wireless handle etc.



Accessories and Spares for ET9181 Soldering Robot



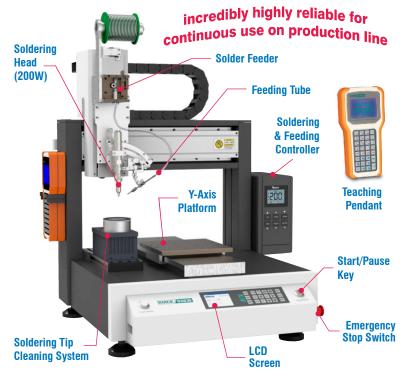
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Highly reliable 3-Axis Soldering Robots Model ET9383E-BB1 & ET9483E-BB1



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





Click here to view Video

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
Mayamant Dance	X & Y	300mm	400mm
Movement Range	Z	100mm	100mm
Maying Spand	X & Y	0.1 ~ 800mm/sec	0.1 ~ 800mm/sec
Moving Speed	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
Maximum Payload	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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Highly reliable 3-Axis Soldering Robots Model ET9383E-BB1 & ET9483E-BB1



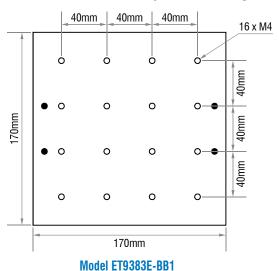
increases production with less hands • ensures soldering quality for each joint

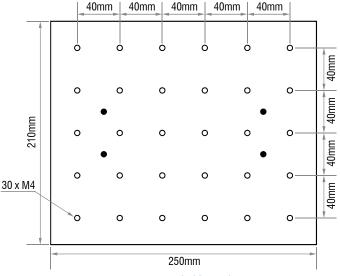
Few user references (many with repeat orders) in India for Robotic solutions by Quick

- 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
- · Tymtix, Bangalore

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





Model ET9483E-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

Powerful Fumes Extraction System Model FumePR0101-50LC

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

No Plumbing required Just position on the Table as needed



Scope of Supply

- 1xFumePRO101 Main Extraction Unit
- 1xExtraction Arm (50mm dia, 1.2m long)
- 1xRound Fume Absorbing Hood
- 1xSpeed Control Regulator
- 5xSpare 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

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

Warranty is 12 months from the date of invoice. It excludes all consumable parts as



on-site services can be provided at extra charges of mechanically damaged parts.

if pre-paid by customer in advance

Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of mechanically damaged parts.

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Rigid Gooseneck

Arms can be

positioned

anywhere on table

Highly reliable 4-Axis Soldering Robots Model ET9384E-BB1 & ET9484E-BB1



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



Scope of Supply:

- 4-Axis Soldering Robot
- · Hand-held Teaching Pendant
- Soldering & Wire Feeding Controller

Click here to view Video

- · 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: 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
	X & Y	300mm	400mm
Movement Range	Z	100mm	100mm
	R	±180°	±180°
	X & Y	0.1 ~ 800mm/sec	0.1 ~ 800mm/sec
Moving Speed	Z	0.1 ~ 300mm/sec	0.1 ~ 300mm/sec
	R	$\pm 0.1 \sim 800^{\circ}/\text{sec}$	$\pm 0.1 \sim 800^{\circ}/\text{sec}$
Repeat Accuracy	X, Y & Z	±0.01mm	±0.01mm
nepeat Accuracy	R	±0.02°	±0.02°
Operating Range		240 x 300mm	340 x 400mm
	Z-Axis	3 kg	3 kg
Maximum Payload	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.

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

Highly reliable 4-Axis Soldering Robots Model ET9384E-BB1 & ET9484E-BB1



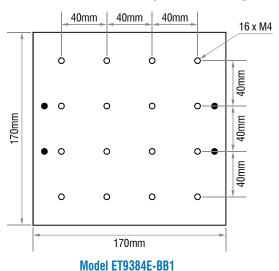
increases production with less hands • ensures soldering quality for each joint

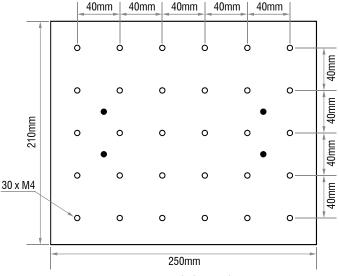
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- · Mag Power, Pune
- · Mindarika, Gurgaon
- Nidec, Neemrana (Japanese MNC) more than 10

- Interface, Gurgaon
- Nokia, Chennai (repeat orders)
- Precision Electronics Hyderabad
- Flash, Pune
- · BG LI-IN, Aurangabad
- · Tymtix, Bangalore

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





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

Powerful Fumes Extraction System Model FumePR0101-50LC

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

No Plumbing required Just position on the Table as needed



Scope of Supply

- 1xFumePRO101 Main Extraction Unit
- 1xExtraction Arm (50mm dia, 1.2m long)
- 1xRound Fume Absorbing Hood
- 1xSpeed Control Regulator
- 5xSpare Pre-Filters

TIAA

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

Warranty is 12 months from the date of invoice. It excludes all consumable parts as



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

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

Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of mechanically damaged parts.

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Rigid Gooseneck

Arms can be

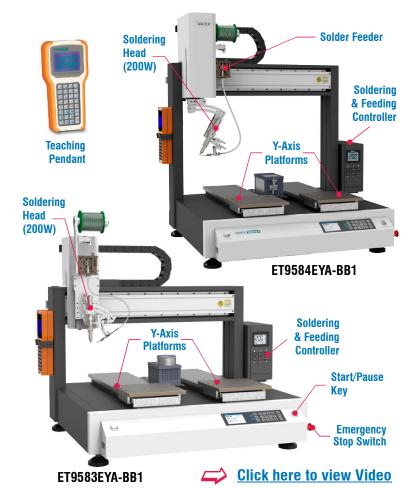
positioned

anywhere on table

Hi-Rel Dual Plateform Soldering Robots Model ET9584EYA-BB1 & ET9584EYA-BB1



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



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
	X & Y	500mm & 400mm	500mm & 400mm
Movement Range	Z	100mm	100mm
	R	-	±180°
	X & Y	0.1 ~ 800mm/sec	0.1 ~ 800mm/sec
Moving Speed	Z	0.1 ~ 300mm/sec	0.1 ~ 300mm/sec
	R	-	$\pm 0.1 \sim 800^{\circ}/\text{sec}$
Repeat Accuracy	X, Y & Z	±0.01mm	±0.01mm
Tiepeat Accuracy	R	-	±0.02°
Operating Range		240 x 300mm	340 x 400mm
	Z-Axis	3 kg	3 kg
Maximum Payload	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.

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

Hi-Rel Dual Plateform Soldering Robots Model ET9584EYA-BB1 & ET9584EYA-BB1



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

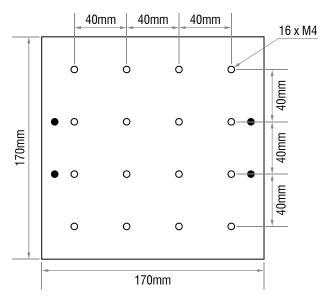
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- Nokia, Chennai (repeat orders)
- · Precision Electronics Hyderabad
- · Flash. Pune
- BG LI-IN, Aurangabad
- · Tymtix, Bangalore

Scope of Supply:

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

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



Model ET9583EYA-BB1 and Model ET9584EYA-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

Warranty is 12 months from the date of invoice. It excludes all consumable parts as



Powerful Fumes Extraction System Model FumePR0101-50LC

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

No Plumbing required Just position on the Table as needed



Scope of Supply

- 1xFumePRO101 Main Extraction Unit
- 1xExtraction Arm (50mm dia, 1.2m long)
- 1xRound Fume Absorbing Hood
- 1xSpeed Control Regulator
- 5xSpare 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

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

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Arms can be

positioned

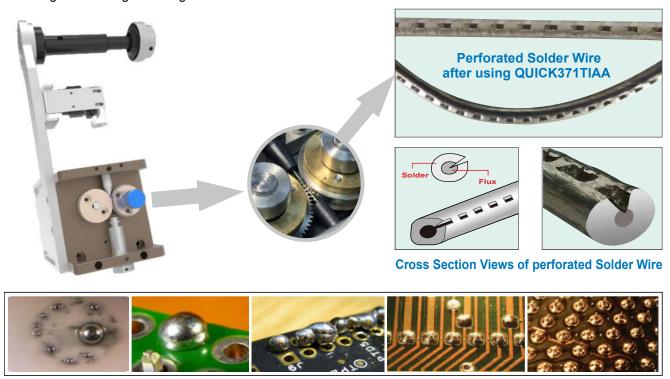
anywhere on table



avoids solder balls formation during soldering

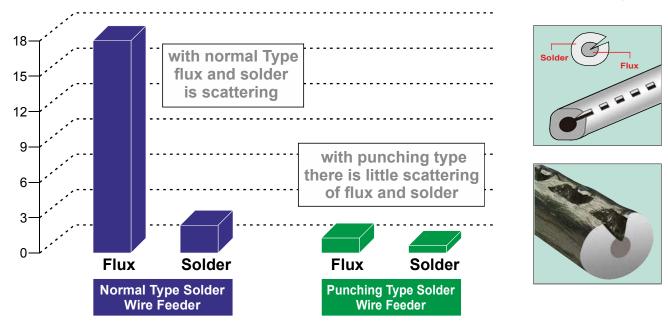
Selection of Solder Wire Feeder is also critical and important to avoid Solder Balls formation and splashing of solder and flux during Soldering

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.

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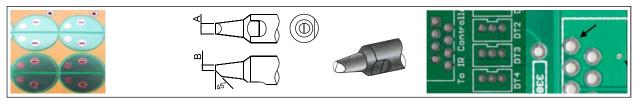


Customized Soldering Robot Tips are possible to meet specific requirements

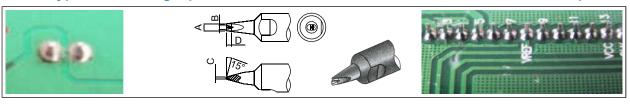
Why selection of correct Soldering Tip is critical and important to ensure quality of each Soldering Joint and also to achieve practically zero rejection for Solder Joints

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.

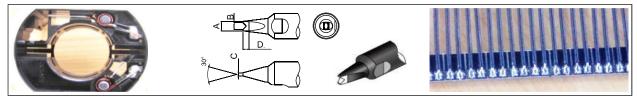
PC type of Soldering Tip is recommended for large pads



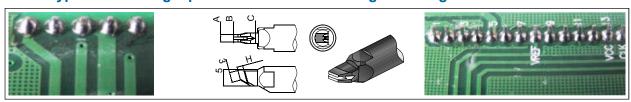
DV1 type of Soldering Tip is recommended for thru hole leads & connector/LCD pins



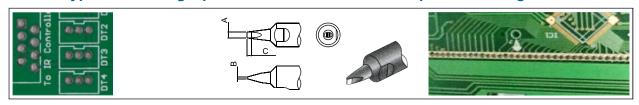
DV2 type of Soldering Tip is recommended for wire harnessing



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

Warranty is 12 months from the date of invoice. It excludes all consumable parts as

b) Photo/s of your components which you want to solder

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

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

Heating Elements, Temperature Sensors, Soldering Tips, Cleaning Sponges etc., and any sort of mechanically damaged parts.

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Wide range of Very Long-Life Soldering Tips for Soldering Robots



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		
<u>.</u>	*** -24PC	2.4mm	1.2mm		
	*** -30PC	3.0mm	1.5mm		
as"\	*** -40PC	4.0mm	2.0mm		
	*** -16D	1.6mm	0.6mm	1.5mm	
Chisel Type	*** -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	
VV - 1 =	*** -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
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
H.	*** -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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Highly reliable Dispensing Robot for Adhesives, Sealing & Greasing



to automate dispensing materials with higher productivity and consistent repeatability



Applicable Glues



Silicon Gel
Process application: sealing
encapsulation, reinforcement
Viscosity: 10000-1000000 CPS



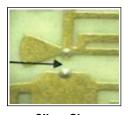
Epoxy Glue
Process application:
underfill, potting
Viscosity: 5000-200000 CPS



Red Glue
Process application:
bonding
Viscosity: 30-450000CPS



Solder Paste
Process application:
conductive
Viscosity: 500-40000CPS



Silver Glue
Process application:
conductive
Viscosity: 500-40000CPS



UV GlueProcess application:
waterproof, moisture/dust proof
Viscosity: 100-40000 CPS



Thermal Conductive Glue
Process application:
heat conduction
Viscosity: 300-50000CPS



Hot Melt Glue Process application: sealing, bonding Viscosity: 10000CPS



Instant Glue
Process application:
bonding
Viscosity: 100-4000CPS



Conformal Coating
Process application:
PCB protection
Viscosity: 100 CPS below

Applicable Processes



Bonding

Packaging



Sealing

Heat Conduction





Potting

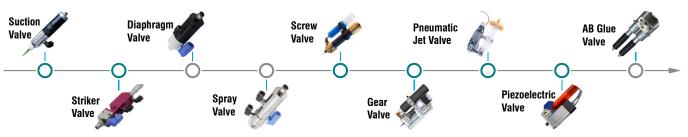






Reinforcement Conductive

Available Dispensing Valve Options



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Highly reliable Dispensing Robot for Adhesives, Sealing & Greasing Model ET8283

Dispensing

Teaching

Pendant

Controller



Dispensing

Y-Axis

Platform

Syringe

Start/Pause Kev

to automate dispensing materials with higher productivity and consistent repeatability

BENEFITS

- High Production with minimum workforce
- Virtually zero wastage of dispensing material
- Same consistent & accurate dispensing quality



Click here to view Video

Scope of Supply:

- 3-Axis 200x200 mm Dispensing Robot
- Teaching Pendant with Interface Cord
- · Dispensing Controller with Cord
- Nozzles (12 Pcs)
 Adaptor
 Allen Key Box
- PU tube (8mm dia x 2.5 meter length)
- Dispensing Barrel & Piston
 Instruction Manual











Emergency

Stop Switch

& UICK



Sealant Dispensing

Conformal Coating Dispensing

Glue & Adhesive Dispensing

Solder Paste Dispensing

This desktop Robot is designed for the automation of dispensing operation to minimize working hands. Besides increasing productity, it also lowers production cost because there is no wastage of dispensing materials. It is a fully-automatic & high resolution control system with 3 axis movement. This unit also provides easier programming instructions, more parameters, a larger memory space and a higher speed. It increases production rate.

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

- Precision Electronic Components Mfg. Co., Hyderabad
- Kostal India Private Limited, Vellore (Tamil Nadu)
- · Mag Power, Pune
- · Sahyadri Udyog, Pune
- · Vishal Engineering, Pune (repeat order)

- · Intelux Electronics Private Limited
- · Reanu Micro Electronics Pvt. Ltd., Pune
- · Mindarika Private Limited, Manesar
- Nidec India Private Limited, Neemrana
- · muP Electronics, Nashik

Specifications	ET-8283		
Input Supply		100~240V AC, 50 Hz	
Number of Axis		3	
Movement Range	X & Y	200mm	
200 x 200 x 50mm	Z	50mm	
Speed Range	X & Y	0.1 ~ 600mm/sec	
opeed Hange	Z	0.1 ~ 300mm/sec	
Repeat Accuracy	X, Y & Z	±0.01mm	
Maximum Payload	Z-Axis	2 kg	
Maximum Fayloau	Platform	5 kg	
Dimensions (WxDxH)		529 x 483 x 467mm	
Weight (approx.)		23 kg	

Warranty is 12 months from the date of invoice.

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It excludes all consumable parts as Nozzles, Barrel etc. and any physically damaged parts.

Highly reliable Dispensing Robot for Adhesives, Sealing & Greasing Model ET8383



to automate dispensing materials with higher productivity and consistent repeatability

BENEFITS

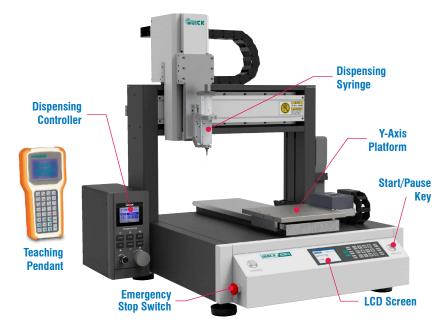
- High Production with minimum workforce
- Virtually zero wastage of dispensing material
- Same consistent & accurate dispensing quality



Click here to view Video

Scope of Supply:

- 3-Axis 300x300 mm Dispensing Robot
- Teaching Pendant with Interface Cord
- · Dispensing Controller with Cord
- · Nozzles (12 Pcs) · Adaptor · Allen Key Box
- PU tube (8mm dia x 2.5 meter length)
- Dispensing Barrel & Piston
 Instruction Manual











Sealant Dispensing

Conformal Coating Dispensing

Glue & Adhesive Dispensing

Solder Paste Dispensing

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- Vishal Engineering, Pune (repeat order)

- · Intelux Electronics Private Limited
- · Reanu Micro Electronics Pvt. Ltd., Pune
- · Mindarika Private Limited, Manesar
- · Nidec India Private Limited, Neemrana
- · muP Electronics, Nashik

Specifications	ET-8383		
Input Supply		100~240V AC, 50 Hz	
Number of Axis		3	
Movement Range	X & Y	300mm	
300 x 300 x 100mm	Z	100mm	
Speed Range	X & Y	0.1 ~ 800mm/sec	
Speed Hange	Z	0.1 ~ 300mm/sec	
Repeat Accuracy	X, Y & Z	±0.01mm	
Maximum Payload	Z-Axis	5 kg	
iviaxiiiiuiii Fayioau	Platform	8 kg	
Dimensions (WxDxH)		610 x 650 x 630mm	
Weight (approx.)		35 kg	

Warranty is 12 months from the date of invoice.

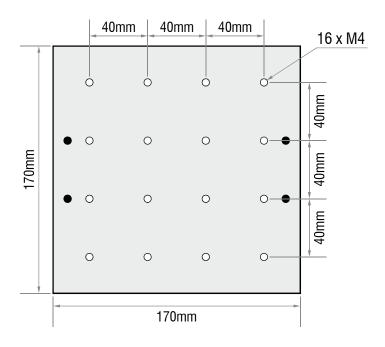
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to automate dispensing materials with higher productivity and consistent repeatability

Plateform Layout of Dispensing Robots to prepare Fixture as per your applications



Partial User References (not complete list) of our Robotic Machine

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

Warranty is 12 months from the date of invoice.

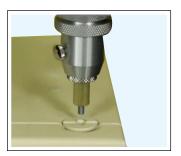
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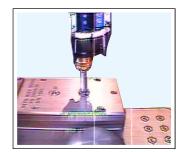


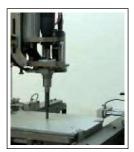
Screws feeding with counting at high production rate & also prevents missing of screws











These Desktop Screw Fastening Robots are designed for automation of screw locking process to minimize work force on production line. Besides increasing productivity, without adding working hands, these also provide reliable type consistent screw fastening with same torque.

Features

- · Single/Double Head for fast working, greatly improves productivity
- · Automatically picks and tightens screws
- · Continuous Screw feeding with counting, also prevents missing screws
- · Constant torque with screw slip teeth and floating lock detection
- The device has an external job status indicator prompting
- · Hand-held programming Pendant

Scope of Supply:

- Main Robotic Unit
- Teaching Pendant
- · Auto Screw Feeder
- · Electric Screwdriver
- Instruction Manual

Warranty is 12 months from the date of invoice. It excludes all wear & tear type parts and any physically damaged parts.

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



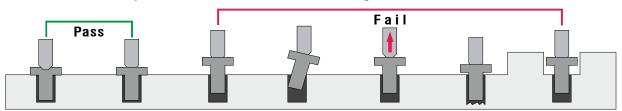
Screws feeding with counting at high production rate & also prevents missing of screws



Specifications:

Specifications	ET7483K		ET7483KXZ	ET7483KYA
Input Supply			100~240V AC, 50 Hz	
Number of Axis		3	3	3
	Χ	400mm	400mm	500mm
Movement Range	Υ	400mm	400mm	400mm
3	Z	100mm	100mm	100mm
	X		0.1 ~ 1000mm/sec	
Speed Range	Y		$0.1 \sim 1000$ mm/sec	
3	Z		0.1 ~ 300mm/sec	
Repeat Accuracy	X, Y & Z		±0.01mm	
Maximum Payload	Platform		8 kg	
Screw Feeding			Air Suction	
Screwing Range (X/Y)		360 x 370mm	340 x 370mm	170 x 370mm
Suitable for	Suitable for		M1 ~ M5 Screws	
Air Pressure	Air Pressure		0.4MPa ~ 0.6MPa	
Dimensions (WxDxH)	750 x 690 x 810mm		810 x 690 x 860mm	820 x 690 x 810mm

Will show pass if screw is fastened correctly otherwise will show as fail



Warranty is 12 months from the date of invoice.

It excludes all wear & tear type parts and any physically damaged parts.

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





Screws feeding with counting at high production rate & also prevents missing of screws

Electric Screwdriver Controller



Smart Control: 3 ways and 16 lock parameters

Process Monitoring: Real-time lock data like torque profile, real torque value, angle, time and lock result etc. displayed on screen

Smart Detection: Missing lock, Floating lock and thread loose etc. defects can be detected

Data Collection: Real-time data cab ne controlled in the controller, standard 4G memory can store 4 milliuons on screw data, torque profile can be saved in USB or PC.

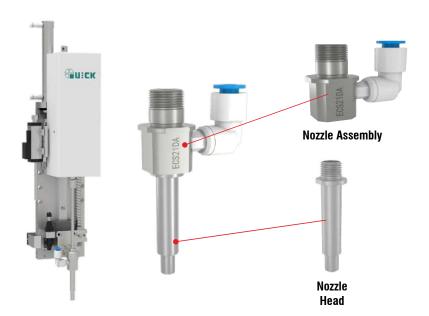
History Tracing: Locking data can be viewed and exported for analysis.lt is recommended to use with code scanner

Communication: RS232, RS485, USB and Ethernet available

Specifications of Screwdrivers used in Screw Fastening Robots

Model	Output Torque Range(±5%)			Rotating Speed	Bit Specifications	
Mouci	N.m	kgf.cm	lbf.in	(r.p.m)	Dit Opecifications	
ECS80T-50A	0.05~0.24	0.5~2.4	0.44~2.12		2	
ECS80T-100A	0.1~0.48	1.0~4.8	0.89~4.25	4500	602	
ECS80T-200A	0.2~0.96	2.0~9.6	1.77~8.5	.5		
ECS80T-400A	0.4~1.9	4.0~19	3.54~16.82		T '	

Electric Screwdriver Nozzle Assembly



Nozzle Assembly Model	Bit Diameter (mm)
ECS21DA-Z4	Ø4mm
ECS21DA-Z5	Ø5mm

Note: Nozzle Assembly, Nozzle head and bit depend on application

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Screws feeding with counting at high production rate & also prevents missing of screws

ECS65A Screw Feeder for Screw length upto 15mm



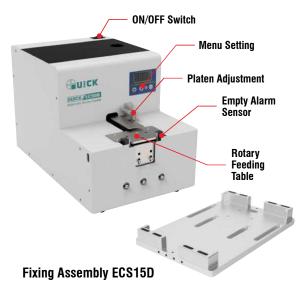
Features:

- Lead rail and rotary feeding table can be adjusted and replaced for screws M1.0 \sim M5.0 with length upto 15mm
- Volume 0.15L, maximum 600 pcs of M3x8 pan-head screws can be put inside
- Reliable screw feeding, feeding speed 50-80 pcs/min
- Precise feeding, repeatability ±0.02mm
- Signal output available when screws are ready for auto machines
- · Record screw feeding quantity
- · Feeding speed and feeding delay are adjustable
- Dimensions (WxDxH): 125 x 202 x 150mm
- Weight: 3.5 kg (approximately)

Specifications:

Model	Input Voltage	Output Voltage	Applicable Screws	Applicable Length	Volume
EC65A	AC100~240V, 50Hz	DC15V/1.5A	M1.0 ~ M5.0	≤15mm	0.15L

ECS66A Screw Feeder for Screw length upto 18mm



Features:

- Lead rail and rotary feeding table can be adjusted and replaced for screws M2.0 \sim M6.0 with length upto 18mm
- Volume 0.45L, maximum 1800 pcs of M3x8 pan-head screws can be put inside
- Reliable screw feeding, feeding speed 50-80 pcs/min
- Precise feeding, repeatability ±0.02mm
- Signal output available when screws are ready for auto machines
- Record screw feeding quantity
- · Feeding speed and feeding delay are adjustable
- Dimensions (WxDxH): 165 x 265 x 180mm
- Weight: 4.8 kg (approximately)

Specifications:

Model	Input Voltage	Output Voltage	Applicable Screws	Applicable Length	Volume
EC66A	AC100~240V, 50Hz	DC15V/1.5A	M2.0 ~ M6.0	≤18mm	0.45L

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