

TOKii-3AYECODR SERIES

TOKii®

- DISPENSING ROBOT FOR APPLICATIONS LIKE EPOXY DISPENSING
- VARIOUS TYPE OF DISPENSING ARRANGEMENT POSSIBLE.



PICTURE SHOWN FOR ILLUSTRATION.
MOUNTING ARRANGEMENT AS PER APPLICATION

Features

- Dispensing Robot 1 worktable
- **Size :**
 - TOKii-3AYECO221DR: 200 X 200 X 100 mm (W 450* D 488 * H 625 mm)
 - TOKii-3AYECO331DR: 300 X 300 X 100 mm (W 580* D 590 * H 600 mm)
 - TOKii-3AYECO441DR : 400 X 400 X 100 mm (W 620* D 680 * H 600mm)
 - TOKii-3AYECO551DR: 500 X 500 X 100 mm (W 780* D 720 * H 600mm)
- Programming mode: Teaching Pendant and graphics import
- Dispensing head and application Oriented Mount optional (shown mount is for Illustration)
- Dispensing Frequency: 600 times/minute
- Dispensing controller: Double air hole dispensing controller
- Repetition accuracy: $\pm 0.02\%$
- Control System: Constant control system
- Movement speed: 0-500mm/sec
- Product material: Aluminum Alloy
- Dispensing accuracy: 0.01ml
- Procedure records: more than 100 groups
- Guide rail: upper silver guide rail

- MOUNTING ARRANGEMENT OPTIONAL
- HEIGHT INCREMENT OPTIONAL
- DISCUSS YOUR APPLICATION WITH US

TOKii-3AYECODR-2T SERIES

TOKii[®]

- DISPENSING ROBOT FOR APPLICATIONS LIKE EPOXY DISPENSING
- VARIOUS TYPE OF DISPENSING ARRANGEMENT POSSIBLE.



PICTURE SHOWN FOR ILLUSTRATION.
MOUNTING ARRANGEMENT AS PER
APPLICATION

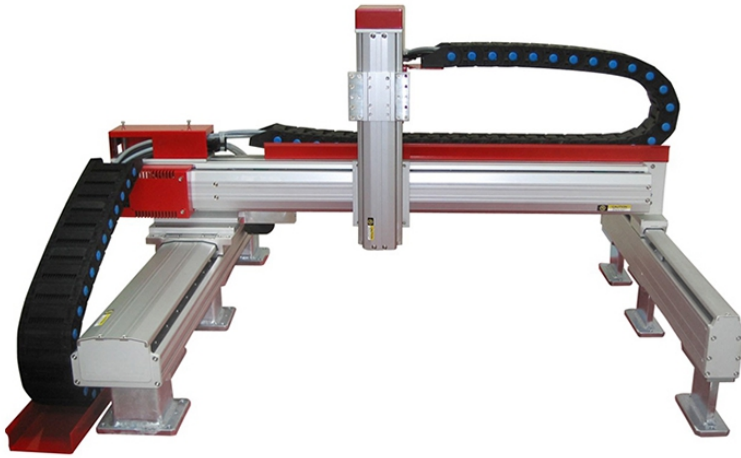
Features

- Dispensing robot 2 worktable
- **Size :**
 - TOKii-3AYECO331DR-2T : 500 X 300 X 300 X 100 mm (L700 x W 700 x H 880mm)
 - TOKii-3AYECO441DR-2T : 500 X 400 X 400 X 100 mm (L780 x W 720 x H 600mm)
 - TOKii-3AYECO551DR-2T : 600X 500 X 500 X 100 mm (L880 x W 800 x H 600mm)
- Programming mode: teaching pendant and graphics import
- Delivery system various type optional
- Gluing frequency: 600 times/minute
- Dispensing controller: double air hole dispensing controller
- Repetition accuracy: $\pm 0.02\%$
- Pressure barrel: stainless steel pressure barrel (depending on demand)
- Control system: constant control system
- Movement speed: 0-500mm/sec
- Product material: aluminum alloy
- Dispensing accuracy: 0.01ml
- Procedure records: more than 100 groups
- Guide rail: upper silver guide rail

- MOUNTING ARRANGEMENT OPTIONAL
- HEIGHT INCREMENT OPTIONAL
- DISCUSS YOUR APPLICATION WITH US

TOKii-4AY-GR9860D 4 Axis dispensing robot

TOKii®



Gantry Conveyor Robots with auxiliary designing to ensure the stability of large stroke, solid aluminum structure with anti-shock performance, suitable for industrial conveyor belt device dispensing operations.

ITEM	TOKii-4AY-GR9860D
Working Area:X/Y/Z/R mm	600/800/200/360°
Max Load R Axis	6.0kg
Speed X&Y/ZR (mm/sec)	0.1~500/320(360°/s)
Repetitive positioning Accuracy	±0.02mm / axis
Program Capacity	At least 100 groups, 4000 points / group
Date Storage Type	CF Card
Byte	32 Bit
Program Display	LCD
Control Method	PTP & CP
Interpolation Function	4 Axis
Programming Method	Teach Pendant
I/O Signals Port	8 Input / 8 Output
External Control Interface	RS232
Motor System	Servo motor
Drive Mode	Precision ball screw
Power Supply	AC 90~260V 320W
Working Temperature	0~40°C
Working Relative Humidity	20~90% no condensation

MOUNTING ARRANGEMENT, CONTROLLER MATERIAL DELIVERY SYSTEM OPTIONAL AS PER APPLICATIONS AND MATERIAL

TOKii-4AY-ECO331SC

TOKii-4AY-ECO441SC

TOKii[®]

**SPRAY COATING ROBOT
USED FOR APPLICATIONS LIKE
CONFORMAL COATING.**



Features

- Full automatic glue spraying robot
- 3 Ltr Pressure Tank as Std
- Power supply: 220V/50-60Hz
- Glue viscosity: 1~6000cps
- Glue spraying accuracy: from 1 cm spray Robot
- Dispensing range Model **TOKii-4AY-ECO441SC** 400/400/100mm
- Dispensing range Model **TOKii-4AY-ECO331SC** 300/300/100mm
- Mechanical axis: X axis, Y axis, Z axis, R axis
- Mechanical axle load: 10KG (X Y) 8kg (Z axis) 2kg
- Operation mode: handle teaching device
- Transmission mode: linear guide rail+synchronous belt
- Repetition accuracy: $\pm 0.02\%$ mm ± 0.05 mm
- Moving speed: 300-500mm/s
- Running track: point, line, circle, arc
- Program recording mode: 100 groups
- Motor system: stepper motor

TOKii-4AY-ECO4413SC TOKii-4AY-ECO5513SC

TOKii®

**SPRAY COATING ROBOT
USED FOR APPLICATIONS LIKE
CONFORMAL COATING.**



Features

- Full automatic glue spraying robot
- 30/55 CC Barrel for material supply
- Power supply: 220V/50-60Hz
- Air source MPa: 0.4-0.6
- Glue viscosity: 1~6000cps
- Program storage : 1000
- Glue spraying accuracy: from 1 cm spray Robot
- Dispensing range Model **TOKii-4AY-ECO4413SC** 400/400/100mm
- Dispensing range Model **TOKii-4AY-ECO5513SC** 500/500/100mm
- Mechanical axis: X axis, Y axis, Z axis, R axis
- Mechanical axle load: 10KG (X Y) 8kg (Z axis) 2kg
- Operation mode: handle teaching device
- Transmission mode: linear guide rail+synchronous belt
- Repetition accuracy: $\pm 0.02\%$ mm ± 0.05 mm
- Moving speed: 300-500mm/s
- Running track: point, line, circle, arc
- Program recording mode: 100 groups
- Motor system: stepper motor
- Weight: 55kg

TOKii-3AY-ECO331HM**TOKii**[®]

Features

- Hot Melt Robot
- Power: 220V /50HZ
- Heating Temperature: 220 degree
- Dispensing accuracy : 0.1mm
- Heating time is 3 minutes
- Mechanical axle load: 10KG(X/Y 8KG(Z axle)
- Dispensing range: X axis, 300 Y axis, 300 Z axis, 100
- Operate way: Handle teaching device
- Moving speed: 500mm/s
- Repetition accuracy: $\pm 0.02\% \text{mm} \pm 0.05 \text{mm}$
- Motor system: Stepper motor
- Robot weight : 55kgs
- Full set is include robot+30ML Hot melt +controller
- Machine size: 650*520*625

TOKii-3AY-ECO331BP

TOKii[®]



- Dispensing Robo 300x300
- Different dispensing head mount.
- Drive method: Stepper Motor, synchronous belt
- Repetition accuracy: $\pm 0.02\text{mm}-0.05\text{mm}$
- Working Voltage: 220V 50Hz
- Working air source: 0.4-0.7 Mpa
- Highest speed : 500mm/S
- Machine power: AC 220V 50 HZ 350W
- Maximum load: X-axis 10 Kg / Y-axis 10 Kg / Z-axis 10 Kg
- Display method: 5.7 Inch display
- Signal : 16 I/O
- Operating range: 300x300x100
- Machine size: 650*520*625

TOKii-4AYECO-SR SERIES

TOKii[®]

**SOLDERING ROBOT
VARIOUS TYPES OF
SOLDERING HEAD
POSSIBLE AS PER
APPLICATION**



PICTURE SHOWN FOR ILLUSTRATION.
MOUNTING ARRANGEMENT AS PER
APPLICATION

Features

- Soldering Robot 1 worktable
- **MODELS :**
 - TOKii-3AYECO200SR : 200 X 200 X 100 mm (W 450* D 488 * H 625 mm) (X, Y, Z Axis)
 - TOKii-3AYECO300SR : 300 X 300 X 100 mm (W 580* D 590 * H 600 mm) (X, Y, Z Axis)
 - TOKii-4AYECO400SR : 400 X 400 X 100 mm (W 620* D 680 * H 600mm) (X, Y, Z Axis)
 - TOKii-4AYECO500SR : 500 X 500 X 100 mm (W 780* D 720 * H 600mm) (X, Y, Z Axis)
 - TOKii-4AYECO331SR : 300 X 300 X 100 mm (W 580* D 590 * H 600 mm) (X, Y, Z, R Axis)
 - TOKii-4AYECO441SR : 400 X 400 X 100 mm (W 620* D 680 * H 600mm) (X, Y, Z, R Axis)
 - TOKii-4AYECO551SR : 500 X 500 X 100 mm (W 780* D 720 * H 600mm) (X, Y, Z, R Axis)
- Programming mode: teaching pendant
- Soldering time: 0.7-2 seconds
- Wire Feeder (0.6 to 1.6 mm Dia)
- Soldering system Depend on application Various type.
- Repetition accuracy: $\pm 0.02\%$
- Control system: Motion control card or micro controller
- Movement speed: 0-500mm/sec
- Product material: aluminum alloy
- Procedure records: more than 1000 groups
- Guide rail: upper silver guide rail
- Input 230V +/-10% air 0.4 ~0.6 Mpa

- MOUNTING ARRANGEMENT OPTIONAL (CHOICE OF 150, 200, 320, 600 Watt DEPENDING ON APPLICATION.
- Z HEIGHT INCREMENT OPTIONAL. • BRUSH TIP CLEANER OPTIONAL
- FUME ABSORBER OPTIONAL
- ROBOT STOPS WORKING IF HEATER FAIL OR TEMPERATURE OUT OF LIMIT (OPTIONAL) ONLY FOR goot JAPAN goot 150 WATT.
- SOLDER WIRE ALARM FUNCTION

TOKii-4AYECOSR-2T SERIES

TOKii[®]

**SOLDERING ROBOT
VARIOUS TYPES OF
SOLDERING HEAD
POSSIBLE AS PER
APPLICATION**



PICTURE SHOWN FOR ILLUSTRATION.
MOUNTING ARRANGEMENT AS PER
APPLICATION

Features

- Soldering Robot 2 worktable
- **MODELS :**

TOKii-4AYECO2Y-5331SR: 500 X 300 X 300 X 100 mm (Total L700 x W 700 x H 880mm) (X,Y,Y,Z,R Axis)
TOKii-4AYECO2Y-6441SR: 600 X1 400 X 400 X 100 mm (Total L780 x W 720 x H 600mm) (X,Y,Y,Z,R Axis))
TOKii-4AYECO2Y-6551SR: 600X 500 X 500 X 100 mm (Total L880 x W 800 x H 600mm) (X,Y,Y,Z,R Axis)

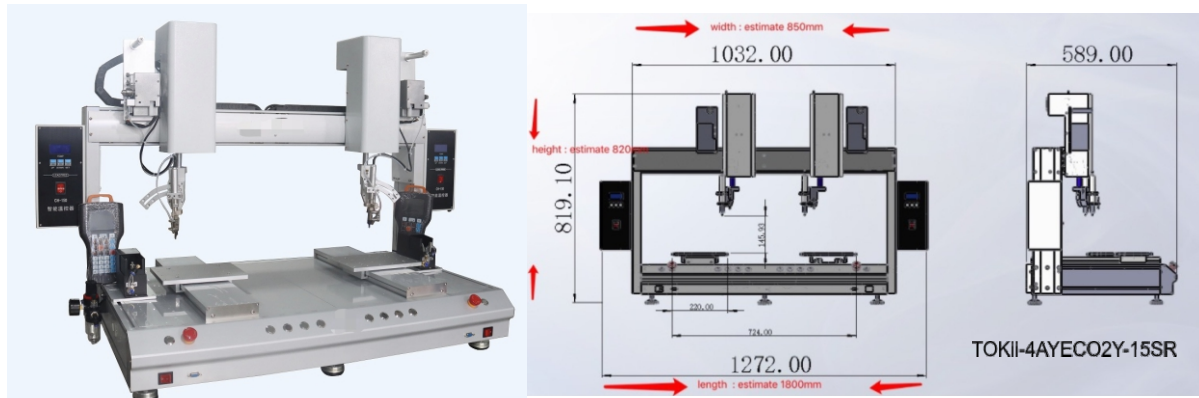
- Programming mode: teaching pendant
- Soldering time: 0.7-2 seconds
- Wire Feeder (0.6 to 1.6 mm Dia)
- Soldering system Depend on application Various type.
- Repetition accuracy: $\pm 0.02\%$
- Control system: Motion control card or micro controller
- Movement speed: 0-500mm/sec
- Product material: aluminum alloy
- Procedure records: more than 1000 groups
- Guide rail: upper silver guide rail
- Input 230 V +/-10% air 0.4 ~0.6 Mpa

- **MOUNTING ARRANGEMENT OPTIONAL (CHOICE OF 150, 200, 320, 600 Watt DEPENDING ON APPLICATION.**
- **Z HEIGHT INCREMENT OPTIONAL.**
- **BRUSH TIP CLEANER OPTIONAL**
- **FUME ABSORBER OPTIONAL**
- **ROBOT STOPS WORKING IF HEATER FAIL OR TEMPERATURE OUT OF LIMIT (OPTIONAL) ONLY FOR goot JAPAN goot 150 WATT.**
- **SOLDER WIRE ALARM FUNCTION**

TOKii-4AYECO2Y-15SR

Soldering Robot 2 worktable 2 Head

TOKii[®]



Features

- Size : As Per above Drawing
- Programming mode: Teaching Pendant
- 150 WATT 2 Nos. soldering system as standard, (200,300, 600 watt optional)
- Wire Feeder (0.6 to 1.6 mm Dia)
- Repetition Accuracy: $\pm 0.02\%$
- Control System: Motion control card or micro controller
- Product material: Aluminum Alloy
- Procedure Records: More than 1000 groups
- Guide Rail: Upper silver guide rail
- Input 230+/-10% Left station control mode: handheld programmer
- Left station XYZ R stroke: 600*500*100*360°
- Left station motor drive: stepper motor drive
- Left station drive: synchronous belt
- Left station guide rail: linear double guide rail
- Left station soldering iron head: 150W heating core + 911G series soldering iron head
- Left station tin feeder: automatic tin feeding
- Right Station control mode: Handheld Programmer
- Right Station XYZ R stroke: 600 X 500 X 100 * 360°
- Right Station motor drive: stepper motor drive
- Right Station drive: synchronous belt
- Right Station guide rail: linear double guide rail
- Right Station soldering iron head: 150W heating core + 911G series soldering iron head
- Left station tin feeder: automatic tin feed
- The left and right stations are equipped with air blowing tin dross box
- Repeat positioning accuracy $\pm 0.05\text{mm}$
- Maximum moving speed: X Y-300mm/s, Z-100mm/s,R-100rpm
- Input 230 V +/-10% air 0.4 ~0.6 Mpa
- Weight: about 130KG

TOKii-3AYECOPR SERIES

TOKii[®]

**SCREW ROBOT
VARIOUS TYPES OF
SCREW DELIVERY
ARRANGEMENTS
POSSIBLE**



PICTURE SHOWN FOR ILLUSTRATION.
MOUNTING ARRANGEMENT AS PER
APPLICATION

Features

- Screw Robot 1 worktable
- **Size :**
TOKii-3AYECO331PR : 300 X 300 X 100 mm (W 580* D 590 * H 600 mm)
TOKii-3AYECO441PR : 400 X 400 X 100 mm (W 620* D 680 * H 600mm)
TOKii-3AYECO551PR : 500 X 500 X 100 mm (W 780* D 720 * H 600mm)
- Programming mode: Teaching pendant
- Repetition accuracy: $\pm 0.02\text{mm} \sim 0.05\text{mm}$
- Screwing efficiency: 1.2~1.8 seconds/screw (depending on the product)
- Moving speed: 300—500mm/s (800mm/s can be customized)
- Maximum load: 15KGS
- Transmission mode: synchronous belt+stepping motor
- Control system: Motion control card or micro controller
- Product material: Aluminum alloy
- Program Capacity: 128M
- Guide rail: upper silver guide rail
- Input 230 V +/-10% air 0.4 ~0.6 Mpa

- **MOUNTING ARRANGEMENT OPTIONAL (CHOICE OF VACUUM FEEDER, AUTO AIR BLOW FEEDER, DROP FEEDER, SCREWDRIVER, SERVO SCREWDRIVER DEPENDING ON APPLICATION**
- **HEIGHT INCREMENT OPTIONAL.**

TOKii-3AYECOPR-2T SERIES

TOKii[®]

**SCREW ROBOT
VARIOUS TYPES OF
SCREW DELIVERY
ARRANGEMENTS
POSSIBLE**



PICTURE SHOWN FOR ILLUSTRATION.
MOUNTING ARRANGEMENT AS PER
APPLICATION

Features

- Screw Robot 2 worktable
- **Size :**
 TOKii-3AYECO331PR-2T : 500 X 300 X 300 X 100 mm (Total L700 x W 700 x H 880mm)
 TOKii-3AYECO441PR-2T : 500 X 400 X 400 X 100 mm (Total L780 x W 720 x H 600mm)
 TOKii-3AYECO551PR-2T : 600 X 500 X 500 X 100 mm (Total L880 x W 800 x H 600mm)
- Programming mode: Teaching pendant
- Repetition accuracy: $\pm 0.02\text{mm} \sim 0.05\text{mm}$
- Screwing efficiency: 1.2~1.8 seconds/screw (depending on the product)
- Moving speed: 300—500mm/s (800mm/s can be customized)
- Maximum load: 15KGS
- Transmission mode: synchronous belt+stepping motor
- Control system: Motion control card or micro controller
- Product material: Aluminum alloy
- Program Capacity: 128M
- Guide rail: upper silver guide rail
- Input 230 V +/-10% air 0.4 ~0.6 Mpa

- **MOUNTING ARRANGEMENT OPTIONAL (CHOICE OF VACUUM FEEDER, AUTO AIR BLOW FEEDER, DROP FEEDER, SCREWDRIVER, SERVO SCREWDRIVER DEPENDING ON APPLICATION**
- **HEIGHT INCREMENT OPTIONAL.**

TOKii-3AYECO556611PR



Features

- Screw Robot 2 head, 2 worktable
- Six axis back to back adsorption locking screw robot
- 2 X axes, 2 Y axes, 2 Z axes,
- X1 axis working stroke 500mm
- X2 axis working stroke 500mm
- Y1 axis working stroke 600mm
- Y2 axis working stroke 600mm
- Z1 axis working stroke 100mm
- Z2 axis working stroke 100mm
- 2 adsorption feeders
- 2 servo electric screws, torque range 1-10kg force
- closed-loop motor drive
- Double Guide Rail
- Synchronous Belt
- Repetition accuracy: $\pm 0.02\text{mm}\sim 0.05\text{mm}$
- Screwing efficiency: 1.2~1.8 seconds/screw (depending on the product)
- Moving speed: 300—500mm/s (800mm/s can be customized)
- Maximum load: 10KGS
- Transmission mode: synchronous belt+stepping motor
- Control system: Motion control card or micro controller
- Product material: Aluminum alloy
- Program Capacity: 128M
- Guide rail: upper silver guide rail
- Input 230 V +/-10% air 0.4 ~0.6 Mpa

TOKii-3AY-ECO331BPRR

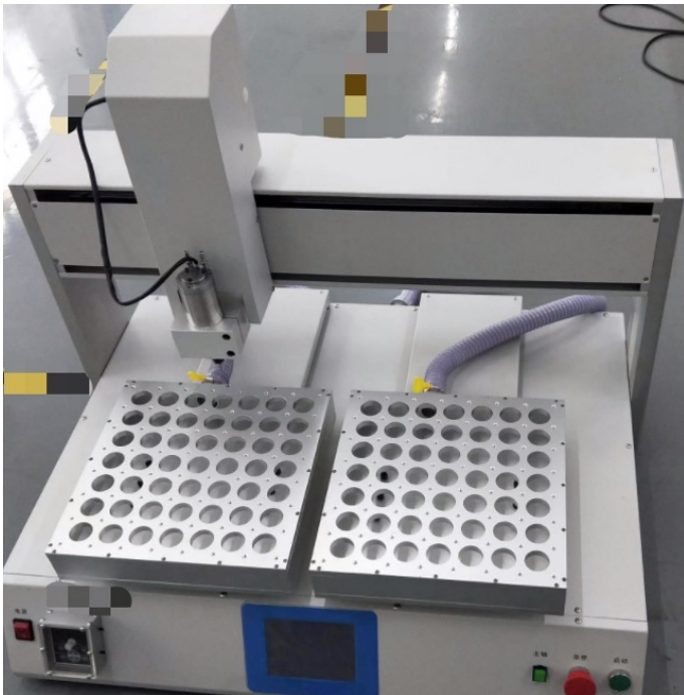
TOKii[®]



- STRONG STRUCTURE
- SUCTION FOR DEBRIS
- ECONOMICAL BENCH TOP MACHINE

- PCB routing robot with vacuum suck for debris
- Cutting speed up to 100mm/s, positioning speed 500mm/s
- Resolution ratio: ± 0.01 mm
- Route is 300x300x100mm
- Configuration: X, Y, Z axis, screw rod+guide rail
- Product size: 582x 678x 697mm

TOKii-3AY-ECO2T331BPRR



- PCB routing robot with vacuum suck for debris
- Cutting speed up to 100mm/s,
- Positioning speed 500mm/s
- Route / stroke is X 600 x Y 300 x Z100, because X axis,
- left and right moving distance of the router axis is 300mm X 2=600mm.
- Resolution ratio: ± 0.01 mm
- Configuration: X, Y, Z axis, screw rod+guide rail
- Product size: 910*680*760mm
- Weight : 140kgs
- Rated Power : 800W
- Rated voltage : 220V/110V 50/60Hz