

Application Equipment Products Guide



Application equipment

ThreeBond not only develops sealants and adhesives, but also develops and sells equipment that incorporates new application and pressure-feed technologies in order to maximize the performance of these materials.

As a manufacturer with full knowledge of sealants and adhesives, ThreeBond develops equipment that enables you to reduce costs and improve productivity, product quality, and work environments.

Application Equipment

Features of ThreeBond Application Equipment

- ① Applies the required amount of material in the required shape.
ThreeBond offers valves and nozzles to apply materials in the shape of points, lines, and coatings.
- ② Maximizes sealant and adhesive performance.
As a manufacturer thoroughly familiar with properties of sealants and adhesives, ThreeBond develops and designs the equipment for applying and pressure feeding each material.
- ③ Applies and pressure feeds sealants and adhesives in all container types.
We offer equipment for applying and pressure feeding sealants and adhesives in various forms of containers, ranging from syringes to pails.
- ④ Dedicated equipment design and manufacture.
We design and manufacture dedicated equipment to meet customer needs, ranging from simple applicators for low-volume production to custom-designed dispensing machines equipped with multiple functions for high-volume and multiple types of production.

The main components of a dispensing machine are as follows:

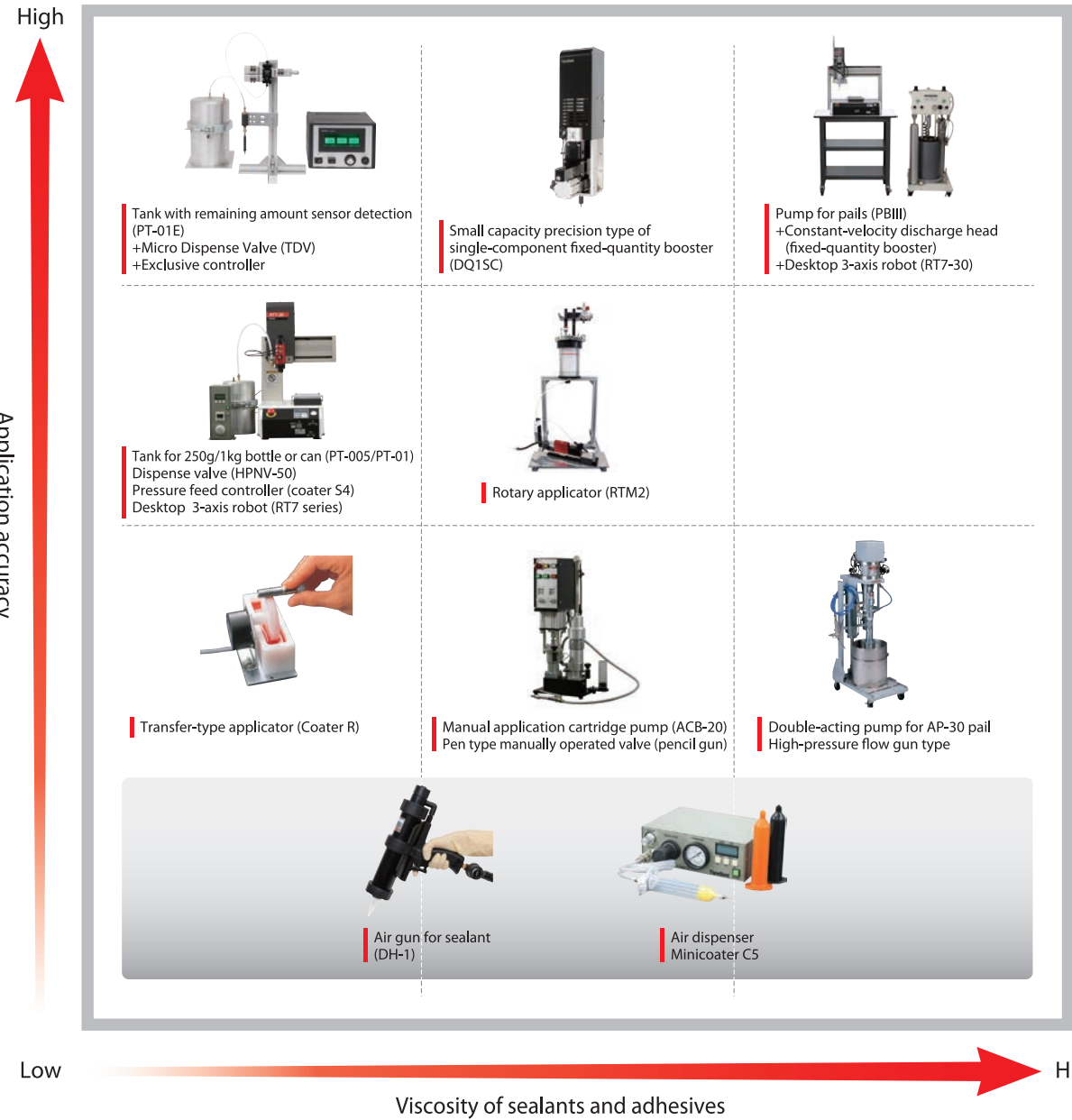
- Pressure feeder: Equipment including pumps to pressure feed materials
- Hoses: Piping used to pressure feed material from the pump to the valve
- Valves: Used to control the flow of material
- Nozzles: Attached to the valve and used to adjust the shape/size in which material is applied
- Controllers: Equipment to control the valve and pump
- Drive units: Robots that automate the application process

We provide dispensing machines that meet customer needs by combining various products that incorporate ThreeBond's unique technologies and features.

This product guide classifies our sealants and adhesives into series and explains the Application Equipment suitable for each individual series.
For the details of the Application Equipment, individual product guides are available.


For selection of Application Equipment


ThreeBond offers the following products according to the properties of each material, to maximize its performance.
To provide the Application Equipment that meets customer requirements, we deploy staff who is specialized in the equipment and has full knowledge of sealants and adhesives at home and abroad. We can respond to a wide range of customer needs from delivery of the devices to provision of after-sales services.
To select equipment suitable for our sealants and adhesives, contact one of our sales engineers.





Dispenser


Key


Tube

Cartridge

1-kg can

Pail

Bottle

Syringe

Application Equipment

Air dispenser for pressure-feeding unit

Coater S4



Standard valve controller for controlling application. MODE settings and counter display are shown on an easier-to-see liquid crystal display. New preset functions (Automatic counter-reset function) have been added with count down ability along with conventional count up. Automatic reset and external output ability after setting count up or down.



| | |
|--------------------|---|
| Outer dimensions | W109×H217.5×D210.5 mm |
| Weight | Approx. 2.4 kg |
| Drive Sources | Clean dry air, 0 to 0.7 MPa 100 to 240 VAC, 50/60 Hz |
| Suitable Materials | Compatible with low to high viscosity liquids *Varies by dispensing parts. |

Air dispenser

Minicoater C5



Combining an air pressure controller with a syringe and syringe adapter is the most basic setup for single-component discharge equipment. Compatible with materials of low to medium viscosity and a wide range of applications, including epoxy, silicone, UV resins, cream solders, silver paste, and grease.



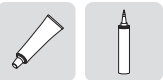
| | |
|--------------------|---|
| Outer dimensions | W190×D136×H72.5 mm |
| Weight | 1.7 kg |
| Drive Sources | Clean dry air, 0 to 0.7 MPa 100 to 240 VAC, 50/60 Hz |
| Suitable Materials | Compatible with materials of low to medium viscosity. *Varies according to the combination of liquid contacting parts. |

Air gun for sealant

DH-1



Specific needle nozzles can be used a cartridge or tube attachment in conjunction with the nozzle block.



| | |
|--------------------|---|
| Outer dimensions | W265×D70×H175 mm *Does not include regulator |
| Weight | 770 g *Does not include regulator |
| Drive Sources | Clean dry air (0.4 MPa or less) |
| Suitable Materials | For cartridge: Cartridge container For tube: 100-g/150-g tube moisture-curing sealant and adhesive, etc. |

Dispenser for tube-packaged materials

Tank for tube
Air dispenser (minicoater C5)

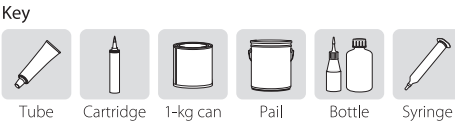


Basic air pressure controlled dispenser optimal for tube-packaged material application. This simple dispenser controls air with minicoater C5 to handle a wide range of materials.



| | | |
|--------------------|---|---------------------|
| Type | Tank for 100-g tube | Tank for 150-g tube |
| Outer dimensions | Ø450×200 mm | Ø450×210 mm |
| Weight | 334 g | 466 g |
| Drive Sources | Clean dry air, 0 to 0.7 MPa, 100 to 240 VAC, 50/60 Hz | |
| Suitable Materials | For tube: 100-g/150-g tube moisture-curing sealant and adhesive, etc. | |

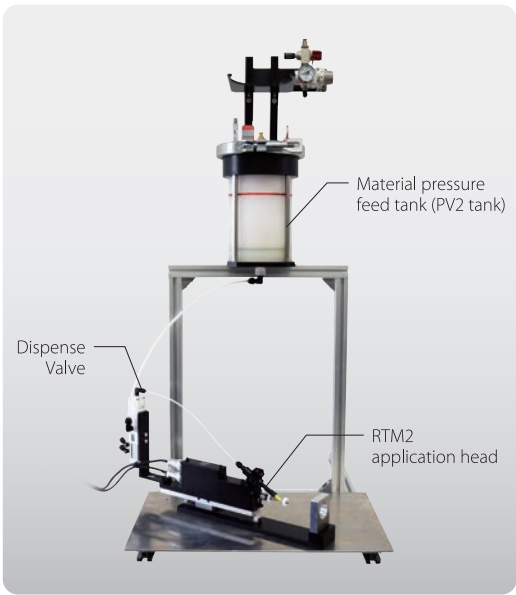
Dispenser



Application Equipment

Rotary applicator

RTM2



Equipment that applies anaerobic sealing adhesive to the inner surface of cylindrical parts. Integration in processing and assembly lines improves productivity.

| | | | |
|--------------------|---|--|--|
| Type | RTM2 application head | Dispense Valve | Material pressure feed tank (PV2 tank) |
| Outer dimensions | W32×D313.6×H98 mm Not including bulb bracket | - | W252×D315×H516 mm Standard specifications |
| Weight | 0.93kg | - | Approx. 6.7 kg |
| Drive Sources | Electricity of 24 VDC 5 A or more (120 W or more) is recommended | *For valve Clean dry air, 0.3 MPa or more | - |
| Suitable Materials | Anaerobic sealing adhesive | | |

Manual dispenser for low viscosity liquids

Tank for 1-kg or less bottle or can (TG1-T)
Pen type manually operated valve (pencil gun)



This dispenser enables hand-operated pencil gun application of low viscosity liquids via a pressure tank. Coating is easily adjusted via air pressure of the pressure tank and opening or closing the pencil gun lever.



| | | |
|--------------------|--|------------|
| Type | Tank TG1-T | Pencil gun |
| Outer dimensions | W162×D162×H247 mm | Ø12×152 mm |
| Weight | 3.6kg | 100 g |
| Drive Sources | Clean dry air, 0 to 0.5 MPa | |
| Suitable Materials | Sealants (limited to non-drying sealants), single-component epoxy resins, and UV-curing resins | |

Transfer-type simple applicator

Coater R



Coater R is a unit that simplifies application of sealant to threaded areas of the bolts and fittings needed in piping and assembly processes. Small and easy-to-carry for application work in a variety of locations.

| | |
|--------------------|----------------------------|
| Outer dimensions | W150.5×D70×H90 mm |
| Weight | 870 g |
| Drive Sources | 100 VAC, 50/60 Hz |
| Suitable Materials | Anaerobic sealing adhesive |

Manual rotary applicator

RTA-H



Anaerobic sealing adhesive drips into the rotor in the air gun tip, which rotates to apply the anaerobic sealing adhesive to the inner surface of cylindrical objects.

| | | | |
|--------------------|--|--|--|
| Type | Air gun | Controller | Material pressure feed tank (PV2 tank) |
| Outer dimensions | W210×D57×H210 mm | W250×D190×H150 mm | W252×D315×H516 mm Standard specifications |
| Weight | 1.5 kg | 2 kg | 6.7 kg |
| Drive Sources | Clean dry air, 0.3 MPa or more 100 VAC or 200 VAC, 24 VDC | Clean dry air, 0 to 0.2 MPa Remaining amount detection sensor, 10 to 36 VDC | - |
| Suitable Materials | Anaerobic sealing adhesive, other | | |

Instant adhesive dispenser

Tank with remaining amount detector (TG1-TE)
Micro dispense valve for instant adhesive (TDV)
Exclusive controller

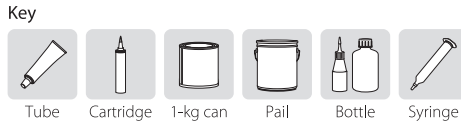


Dispenser for applying difficult-to-handle instant adhesive via a diaphragm valve.



| | |
|--------------------|-------------------------------|
| Outer dimensions | W160×D40×H90 mm |
| Weight | 650 g |
| Drive Source | Clean dry air, 0.3 to 0.5 MPa |
| Suitable Materials | Instant Adhesives |

Fixed-quantity Booster



Application Equipment

Small capacity precision type of single-component fixed-quantity booster

DQ1SC series



This dispenser precisely applies and dispenses single-component epoxy compound resins and UV-curing resins in small quantities.

| | Application head | Controller |
|--------------------|---|--|
| Outer dimensions | W82×D148×H367mm *Not including the dispensing nozzle. | W320×D350×H226mm *Not including the terminal block on the back. |
| Weight | 3.3kg | 10kg |
| Drive Sources | Clean dry air 0.35 or more | 100 to 200VAC, ±10% 50/60Hz |
| Suitable Material | Single-component epoxy compound resins and UV-curing resins (materials that do not react to metal ions) | |
| Usable temperature | 15°C to 35°C | |

This dispenser is designed so that the liquid-contacting unit can be detached with the drive unit attached and the liquid-contacting unit attached without changing the nozzle position. Furthermore, the liquid-contacting units are available in different dispensing flow rates, so you can select the unit that meets your intended use.

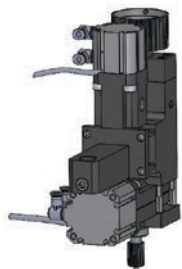
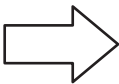
Application head



Drive unit



Liquid contacting units



| | | | |
|-------------------------|-------------|---------------------|-------------|
| Liquid-contacting units | DQ1SC00-1 | DQ1SC00-3 | DQ1SC00-5 |
| Product coad | 3PQ1000100 | 3PQ1000103 | 3PQ1000106 |
| Dispensing flow rate | - | 1 to 1000mg/seconds | - |
| Dischargeable capacity | 1cc or less | 3cc or less | 5cc or less |

Single-component fixed-quantity booster series

SCB series
SCB-28-CL/SCB-17-LE/DQ1LW06

Discharges a fixed volume by consistent velocity drive of the plunger via a stepping motor. The dispense speed can be numerically controlled. This enables simple application adjustment.



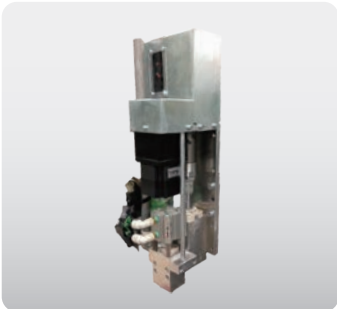
SCB series

| | SCB-28-CL | | SCB-17-LE | | DQ1LW06 | |
|--------------------|--|-------------------|---------------------|-------------------|------------------------------|-------------------|
| Type | Clutch type | Controller | Base Model | Controller | Lightweight type | Controller |
| Outer dimensions | W178×D135×H417 mm | W320×D280×H180 mm | W125.5×D133×H440 mm | W320×D300×H160 mm | W150.5×D108.5×H374 mm | W320×D350×H226 mm |
| Weight | 6 kg | 10 kg | 6 kg | 10 kg | 3 kg | 10 kg |
| Drive Sources | 100 VAC or 200 VAC±10%, 50/60 Hz | | 24 VDC, 50/60 Hz | | 100 to 240 VAC±10%, 50/60 Hz | |
| Suitable Materials | Moisture curing sealants and adhesives | | | | | |



Single-component fixed-quantity booster, clutch type

SCB-28-CL



Single-component fixed-quantity booster, base model type

SCB-17-LE



Single-component fixed-quantity booster, lightweight type

DQ1LW06

Tank

Application Equipment

Pressure feed tank

TG1-T / TG3-S



TG1-T



TG3-S

The material pressure feed tank is for pressure feeding medium and low-viscosity materials. Uses compressed air to feed material from the container set in the tank.



| Type | TG1-T | TG3-S |
|--------------------|---|----------------------------|
| Outer dimensions | W162xD162xH247 mm | W300xD300xH415 mm |
| Inner dimensions | φ122xH194mm | φ180xH289.5mm |
| Weight | 3.6 kg | 21 kg |
| Drive Sources | Clean dry air 0 to 0.5MPa | Clean dry air 0 to 0.77MPa |
| Suitable Materials | Sealants (limited to non-drying sealants), anaerobic seallng adhesive, volatile solvent-type adhesive, instant adhesive,single-component epoxy resin, UV-curing resin | |

Cartridge tank

LVCT-AC / Aluminum tank with cylinder (The cartridge attachment is sold separately.)



LVCT-AC



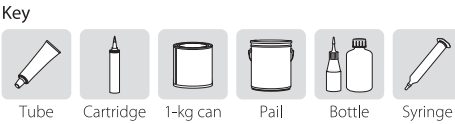
Aluminum tank with cylinder

This tank is used to pressure-feed cartridge-packaged sealant or adhesive. Particularly, the LVCT-AC is best-suited to pressure-feed low-velocity and low thixotropic-ratio materials.

| Type | LVCT-AC Compatible with low-velocity and low thixotropic-ratio materials | Aluminum tank with cylinder |
|--------------------|---|---|
| Outer dimensions | W66xD78xH575mm | W65xD65xH570mm *Including the CT-AT3 cartridge attachment |
| Weight | 1.0kg (when drying the main unit) | 1.0kg (when drying the main unit) |
| Drive Sources | Clean dry air 0.1 to 0.4MPa or less | |
| Suitable Materials | Materials packaged in cartridge containers that do not react to metal ions | |

*Thixotropy : Thixotropic ration (Structural viscosity ration)

Pump



Single-acting pump for pails: PBIII series

PBIII-30/45



Pump for high-pressure feeding of high-viscosity materials from pails. The PBIII-30 and 45 series are designed to occupy 24% less floor area than the PB series and are provided with the remaining amount reduction mechanism as a standard feature.



| Type | PBIII-30 | PBIII-45 |
|--------------------|--|-------------------------------|
| Outer dimensions | W430xD500xH1031.4 to 1458.4 mm | W430xD500xH1050.4 to 1477.4mm |
| Weight | Approx. 120 kg | |
| Drive Sources | Clean dry air, 0.3 to 0.6 MPa | |
| Suitable Materials | Moisture-curing sealant and adhesive, single-component epoxy resin | |

Single-acting pump for pails: PB series

PB30 / 45 / 60



Equipment suitable for high-pressure feeding of high-viscosity material. The combined use of this equipment and an application robot optimizes the linear application of sealant by enabling non-pulsated stable linear application.



| Type | PB30 | PB45 | PB60 |
|--------------------|--|----------------------------|---------------------------------------|
| Outer dimensions | W370xD670xH1105 to 1503 mm | W420xD670xH1170 to 1565 mm | W500xD672xH1472 to 1863 mm |
| Weight | Approx. 70 kg | Approx. 90 kg | Approx. 100 kg |
| Drive Sources | Primary clean dry air, 0.3 to 0.6 MPa | | Primary clean dry air, 0.4 to 0.6 MPa |
| Suitable Materials | Moisture-curing sealant and adhesive, single-component epoxy resin | | |

AP-30 Double-acting pump for pails, High-pressure flow gun

Dispenser for tube-packaged materials.



This dispenser is excellent in high-speed dispense and functionality due to the combination of high-pressure feeding pump for pails with a high-pressure flow gun.



| Type | Pail pump | High-pressure flow gun |
|--------------------|--|------------------------|
| Outer dimensions | W370xD671x H1028 to 1426 mm | - |
| Weight | 70 kg | 580 g |
| Drive Sources | Clean dry air, 0.35 to 0.6 MPa | |
| Suitable Materials | Moisture-curing sealant and adhesive, single-component epoxy resin | |

Material Reduction Unit for low viscosity FIPG

Pump accessory

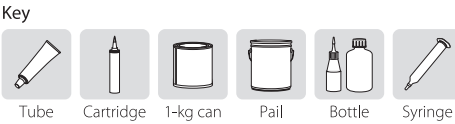


Material Reduction Unit for low viscosity FIPG that can be attached to conventional PB or PBIII pump.

*FIPG : Formed-In-Place Gasket

Pump

Valve



Application Equipment

Manual application cartridge pump

ACB-20

*Pen type manually operated valve (pencil gun)



Unit for high-pressure feeding of high-viscosity materials from cartridge containers. Suggested for manual application. Automatic refill of the pump when it reaches the bottom of its stroke.



| | |
|--------------------|---|
| Outer dimensions | W320×D255×H630 mm |
| Weight | 16 kg |
| Drive Source | Clean dry air, 0.4 to 0.6 MPa, Power source, 100 VAC |
| Suitable Materials | Moisture curing sealants and adhesives, Materials that do not react to metal ions |

High-viscosity material compatible cartridge pump

PCB-20



Unit for high-pressure feeding of high-viscosity materials from cartridge containers to secondary discharge valves. Uniform linear application is possible when placing the dispense valve onto a robot.



| | |
|--------------------|---|
| Outer dimensions | W335×D255×H645 mm |
| Weight | 18 kg |
| Drive Source | Clean dry air, 0.2 to 0.7 MPa, 24 VDC (when using the auto switch) |
| Suitable Materials | Moisture curing sealants and adhesives, Materials that do not react to metal ions |

Pump for 1-kg cans

PH1-20



Pump for high-pressure feeding of materials loaded in 1 kg metal cans. Use a can opener to open 1 kg material package and set it into the pump without requiring pouring of liquid.



| | |
|--------------------|--|
| Outer dimensions | W300×D200×H555 to 710 mm |
| Weight | 26 kg |
| Drive Source | Clean dry air, 0.2 to 0.6 MPa |
| Suitable Materials | Materials that do not react to metal ions *For the availability of materials, please contact your ThreeBond distributor or Sales engineer |

Dispense Valve

HPNV-50



Needle type dispense valve well-suited to automatic application with excellent durability and pressure resistance. Optimal for use as a silicone-based material dispense valve. Running cost is reduced through simple attachment and removal of the material chamber.

| | |
|--------------------|--|
| Type | HPNV-50 |
| Outer dimensions | W40×D41.5×H150 mm |
| Weight | 470 g |
| Drive Source | Clean dry air, 0.3 to 0.6 MPa |
| Suitable Materials | Moisture-curing sealant and adhesive, single-component epoxy resin |

Dispense Valve

Slender-SVR



Needle type pneumatic dispense valve that is compact and resistant to high-pressure. More accurate stopping point when dispensing than HPNV-50

| | |
|--------------------|--|
| Outer dimensions | W28×D28×H166 to 170 mm |
| Weight | 430 g |
| Drive Source | Clean dry air, 0.3 to 0.6 MPa |
| Suitable Materials | Moisture-curing sealant and adhesive, single-component epoxy resin |

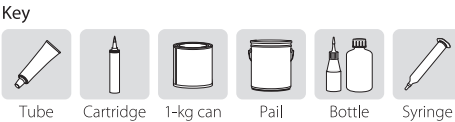
Surface Application Adhesive dispense valve

RV-SN Series



This is a dispense valve for application of sealant and adhesive in coating form.

| | | | |
|--------------------|--|--------------------|--------------------|
| Type | RV05-SN50 | RV10-SN100 | RV15-SN150 |
| Outer dimensions | W161×D86.5×H124 mm | W211×D86.5×H124 mm | W261×D86.5×H124 mm |
| Weight | 2.4 kg | 2.6 kg | 2.9 kg |
| Drive Source | Clean dry air, 0.3 to 0.6 MPa | | |
| Suitable Materials | Moisture-curing sealant and adhesive, single-component epoxy resin, UV-curing resin, Materials that do not react to metal ions | | |



Fixed-quantity dispense valve for anaerobic sealing adhesive

CVA 4 / CVA 5

Pneumatic valve for dispensing fixed quantities of anaerobic sealing adhesive. Also compatible with some UV-curing resins.



CVA4



CVA5

| | | |
|--------------------|-----------------------------------|-----------------|
| Type | CVA4 | CVA5 |
| Outer dimensions | W30×D30×H176 mm | W30×D35×H201 mm |
| Weight | 340 g | 350 g |
| Drive Source | Clean dry air, 0.35 to 0.5 MPa | |
| Suitable Materials | Anaerobic sealing adhesive, other | |

Micro Dispense Valve

TDV valve



Valve for dispensing ThreeBond 1700 and 7700 series instant adhesive.

| | |
|--------------------|-------------------------------|
| Outer dimensions | W160×D40×H90 mm |
| Weight | 650 g |
| Drive Source | Clean dry air, 0.3 to 0.5 MPa |
| Suitable Materials | Instant Adhesives |

Anaerobic adhesive and sealant dispense valve

KOBO valve



Valve for high accuracy discharge of anaerobic sealing adhesive in µL units. Optimal for extremely small quantity discharge from 30 to 200 µL.

| | |
|--------------------|-----------------------------------|
| Outer dimensions | W94×D40×H73.5 mm |
| Weight | 470 g |
| Drive Sources | Clean dry air, 0.3 to 0.5 MPa |
| Suitable Materials | Anaerobic sealing adhesive, other |

Fixed quantity dispenser

DQ1EP



Dispenser where the single-component fixed-quantity booster (page 7) drive has been converted to electric. Maximum discharge in a single cycle is 28 cc.

| | |
|--------------------|--|
| Outer dimensions | W160×D110×H400 mm |
| Weight | 9 kg |
| Drive Source | 3-phase 200 V |
| Suitable Materials | Moisture curing sealants and adhesives |

Cartridge pump

PC1-11EP



Equipment where the cartridge pump (page 11) drive has been converted to electric. Electric automatic cartridge tank switching is standard.



| | |
|--------------------|--|
| Outer dimensions | W580×D610×H1600 mm |
| Weight | 200 kg |
| Drive Source | 3-phase 200 V |
| Suitable Materials | Moisture curing sealants and adhesives |

Pump for pails

PP1-10EP





Equipment where the pail pump (page 10) drive has been converted to electric. A servo motor controls the raising/lowering of the pump enabling the FIPG remaining amount detection to be set.





| | |
|--------------------|--|
| Outer dimensions | W600×D860×H1870 mm |
| Weight | 340 kg |
| Drive Source | 3-phase 200 V |
| Suitable Materials | Moisture curing sealants and adhesives |


Key


Tube

Cartridge

1-kg can

Pail

Bottle

Syringe

Desktop robot

RT7 series

This new style desktop robot has a low price without sacrificing practicality and provides an incredible cost performance. The stepping motor combined with a special micro-step drive circuit saves on energy and space.



RT7-20

| | | | | |
|------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Type | RT7-20 | RT7-30 | RT7-40 | RT7-50 |
| Operation range | X200×Y200×Z50 mm | X300×Y320×Z100 mm | X400×Y400×Z150 mm | X510×Y510×Z150 mm |
| Maximum payload | Workpiece, 7.0 kg / tool, 3.5 kg | Workpiece, 15.0 kg / tool, 7.0 kg | Workpiece, 15.0 kg / tool, 7.0 kg | Workpiece, 15.0 kg / tool, 7.0 kg |
| Outer dimensions | W323×D387×H554 mm | W560×D535×H659 mm | W584×D631×H807 mm | W678×D731×H807 mm |
| Weight | 20 kg | 35 kg | 42 kg | 44 kg |



RT7-30



RT7-40



RT7-50

Automatic application device for low and medium viscosity materials



Equipment List

Tank for 1-kg or less bottle or can (TG1-T)
Dispense valve (HPNV-50)
Pressure feed controller (coater S4)
Desktop 3-axis robot (RT7-20)



| | |
|--------------------|--|
| Drive Sources | Clean dry air, 0 to 0.7 MPa, 100 to 240 VAC, 50/60 Hz |
| Suitable viscosity | low and medium viscosity materials |
| Suitable Materials | Sealants (limited to non-drying sealants), single-component epoxy resins, and UV-curing resins |
| Suitable packaging | 1-kg bottles or cans |

Automatic application device for low and medium viscosity materials



Equipment List

333-ml cartridge-type tank (LVCT-AC)
Liquid agent discharge valve (HPNV-50)
Pressure feed controller (coater S4)
Desktop orthogonal 3-axis robot (RT7-20)



| | |
|--------------------|--|
| Drive Sources | Clean dry air, 0 to 0.7 MPa, 100 to 240 VAC, 50/60 Hz |
| Suitable viscosity | low and medium viscosity liquid agents |
| Suitable Materials | Moisture-curing sealant and UV-curing resins (materials that do not react to metal ions) |
| Suitable packaging | 333-ml cartridge |

Fixed-quantity application device for high-viscosity materials



Equipment List

Pump for pails (PBIII)
Single-component fixed-quantity booster (DQ1LW06)
Desktop 3-axis robot (RT7-30)



| | |
|--------------------|---|
| Drive Sources | Clean dry air, 0.3 MPa or more, 100 VAC, 24 VDC |
| Suitable viscosity | low to high viscosity |
| Suitable Materials | Moisture curing sealant |
| Suitable packaging | Pail |

Accessories

Application Equipment

Nozzle



Stainless steel needle / Precision nozzle / PTFE needle nozzle

Nozzles made of various materials (including metal) are available in many sizes. You should select a nozzle material suitable for the properties of the dispense material used.

Nozzle block



NB2 / NB2R / NB4 / NB5

Connects the valve with the nozzle. We can manufacture an integral type of nozzle block combined with your specified nozzle diameter / length to fit a custom application.

Syringes and syringe accessories



Syringe / adapter / adapter assembly

Syringes and related accessories used for manual application of micro and low volumes.

Tubes and hoses



PTFE tubes / nylon tubes / high and low pressure PTFE hoses

Our lineup of products provides a variety of options.

Hand gun for two-component liquid cartridge



ThreeBond 2086M / ThreeBond 3955 dedicated use hand gun

Hand gun that dispenses by mixing material within a static mixer.

Applicator Specification Check Sheet

Fill in this form and consult one of our sales engineers. We will make a proposal covering your requests.

| | |
|------------------------------|-----|
| Date | / / |
| Person in charge (ThreeBond) | |

Customer information

| | | | | |
|----------------------------------|---|-------------------------------------|--------------------------------|-------------------------------|
| Customer name | | | | |
| Address | | | | |
| Destination country of equipment | | | | |
| Installation environment | <input type="checkbox"/> Standard environment | <input type="checkbox"/> clean room | <input type="checkbox"/> Other | Ambient temperature. °C to °C |

Equipment type

| | | | |
|---|---------------------------------------|---------------------------------------|------------------------------------|
| <input type="checkbox"/> Off-line single unit | <input type="checkbox"/> In-line unit | <input type="checkbox"/> Coating unit | <input type="checkbox"/> Other () |
|---|---------------------------------------|---------------------------------------|------------------------------------|

Equipment description

| |
|--|
| |
|--|

Workpiece information

| | | | | | | | |
|-------------------------|--|--------|---|----------|--|--------------------------------|--------------------------------|
| Name of workpiece | | | | | Number of models | | |
| Dimensions of workpiece | | Weight | kg | Material | <input type="checkbox"/> Metal | <input type="checkbox"/> Resin | <input type="checkbox"/> Other |
| Surface to be coated | <input type="checkbox"/> XY plane (without difference in height) | | <input type="checkbox"/> XY plane (with difference in height) | | <input type="checkbox"/> Three-dimensional structure | | |

Application specification

| | | | | | | | |
|------------------------|---|--|--------------------------------------|--------------------------------|----------------------------------|---------------|------------------------------------|
| Applying method | <input type="checkbox"/> Line application | <input type="checkbox"/> Point application | <input type="checkbox"/> filling | <input type="checkbox"/> Other | | | |
| Material to be applied | | | | Coating weight | g | Bead diameter | Ø mm |
| Container Type | <input type="checkbox"/> Cartridge | <input type="checkbox"/> Pail | <input type="checkbox"/> Pail/bottle | kg | <input type="checkbox"/> Syringe | cc | <input type="checkbox"/> Other () |

Power source

| | | | | |
|--------------------------|---|--|---|--|
| Primary electric source | <input type="checkbox"/> Single-phase 200 VAC | <input type="checkbox"/> Three-phase 200 VAC | <input type="checkbox"/> Single-phase 100 VAC | <input type="checkbox"/> Other |
| Primary pneumatic source | <input type="checkbox"/> Dry air | <input type="checkbox"/> Lubricated air | <input type="checkbox"/> Other | Guaranteed minimum supply pressure MPa |



Operating specification

| | | | | | | | |
|---------------------------------|---|--------------------|-----|--|--|--|---|
| Number of pieces to be produced | | pieces/month | | pieces/day | | pieces/hour | |
| Cycle time | | Machine Cycle time | sec | Start of discharge to end of discharge | | sec | |
| Operation process | 1 | | | | | <input type="checkbox"/> Automatic operation | <input type="checkbox"/> Manual operation |
| | 2 | | | | | <input type="checkbox"/> Automatic operation | <input type="checkbox"/> Manual operation |
| | 3 | | | | | <input type="checkbox"/> Automatic operation | <input type="checkbox"/> Manual operation |
| | 4 | | | | | <input type="checkbox"/> Automatic operation | <input type="checkbox"/> Manual operation |
| | 5 | | | | | <input type="checkbox"/> Automatic operation | <input type="checkbox"/> Manual operation |
| | 6 | | | | | <input type="checkbox"/> Automatic operation | <input type="checkbox"/> Manual operation |
| | 7 | | | | | <input type="checkbox"/> Automatic operation | <input type="checkbox"/> Manual operation |

Schedule

| | | | |
|--|--|----------------------------------|--|
| Desired date for submission of estimate | | Expected date of order placement | |
| Desired date for completion of manufacturing | | Desired date for delivery | |

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