



DISPENSING  
INSULATION



COATING  
ADHESION



CASTING &  
ENCAPSULATION



VACUUM  
PROCESS



FOAM SEAL



AUTOMATIC  
SYSTEM

# WASON GENERAL CATALOGUE



華勝科技股份有限公司  
WASON TECHNOLOGY CO., LTD.

## TAIWAN

No. 328, Jieshou Rd., Daxi Dist.,  
Taoyuan City 335, Taiwan  
T +886-3-390-6300  
F +886-3-389-4321  
E sales@wason.com.tw

## DONGGUAN

No. 9 Xiaolong Rd., Xiaolong Industrial Zone,  
Yuan Shan Bei Village,  
Chang Ping Town, Dongguan City,  
Guangdong Province, China  
T +86-769-8393-2121, 8302-4141  
F +86-769-8393-3131  
E wasondg@163.com

## KUNSHAN

No.1 Shangmao Rd.,  
Luyang Town, Kunshan City,  
Jiangsu Province, China  
T +86-512-3663-8497  
F +86-512-3663-8467  
E wasonks@163.com



## COMPONENT DISPENSER MANUFACTURER

2K METERING DISPENSER /  
PROGRESSIVE CAVITY PUMP /  
DISPENSING ROBOT /  
VACUUM POTTING MACHINE /  
AUTOMATED DISPENSING SYSTEMS /



WWW.WASON.COM.TW



# COMPANY PROFILE



## WASON TECHNOLOGY PREFERRED BRAND OF 2 COMPONENT GLUE DISPENSER.

Established in 1995, Wason Technology Co., Ltd. is a professional glue dispenser manufacturer. We are devoted to the development and production designs of dispensers. Wason supplies the world with various single-fluid dispensers, 2 component dispensers, foaming machines, automatic dispensers, vacuum dispensers, and other high-quality machinery and accessories. We can satisfy any need for fill packaging, adhesive seals, dispensing, micro foaming, vacuum filling, and more.

## HIGH PERFORMANCE,EASY OPERATION & ACCURATE METERING 2 COMPONENT DISPENSERS

Wason leads the industry in technological capabilities with our high-performance machinery, multi-application adhesives, and applicable fields. We are favored by many publicly traded Taiwanese companies, such as ASE Group, Hon Hai Precision Industry Co., Ltd. (Foxconn), AIDC, and Taiwan Yuasa Battery Co., Ltd. Our products are used in the automobile, aeronautics, optoelectronics, household appliance, electronics, lighting, energy packaging, medical equipment industries. Among our broad industrial appli-



cations, Wason's foaming machines have taken over the footwear industry, cooperating with raw material suppliers such as BASF, Huntsman, Dow Corning, WEVO, and other international companies.

As the company experiences stable growth, wason has gained control of 85% market share in taiwan. To satisfy booming market demand, except headquarter at Dasi Taoyuan-Taiwan, Wason also build up factory & office at China Dongguan & Suzhou at 2001. At the same time, expanded main factory and offices at 2005 to increase doubling production capabilities. Wason provide the most competitive machinery, delivery, and prices for all clients. In foreign markets such as China, the US, France, Australia, Malaysia, Thailand, and Vietnam, Mexico, Hungary, Japan, Turkey, Brazil..etc. Wason products are performing well and developing Wason's brand recognition.

# 30<sub>Year</sub>

Success Story

# 85%

Market Share

# 20

Global Sales

## P09~14 TWO COMPONENT DISPENSER

G-1 Series G180



G-2 Series G280



G-3 Series G380



G-4 Series G460



G-4 Series G480

Customized 2K  
Dispensing Systems

## P15~16 PROGRESSIVE CAVITY PUMPS DISPENSING SYSTEMS

One Component  
Progressive Cavity  
Pumps2K Progressive Cavity  
PumpsDynamic Mixing  
Progressive Cavity  
Pumps

## P17~19 DISPENSING ROBOT

R Series 3-Axis Desktop  
Dispensing RobotWR Series 3-Axis Gantry  
Dispensing Robot

## P20 AIR TYPE DISPENSER MACHINE

SD-3100 Single Fluid  
Dispenser

## P21~22 VACUUM SYSTEM

Vacuum Chamber

Automatic Vacuum  
Dispensing System

## P23~24 CUSTOMIZED VACUUM SYSTEM

Automatic Vacuum  
Dispensing SystemAutomatic Potting  
System

## P25~26 ACCESSORIES

Static / Dynamic  
Mixers

Needle Tips TT Series

Needle Tips Stainless  
Steel Series

Needle Tips TS Series



Barrels Series





# APPLICATION

## DISPENSING INSULATION



This application evenly spreads the material on the components, which can be used to protect the components or extend the service life for additional requirements to the products. The comprehensive applications allows equipment development by material. Our system

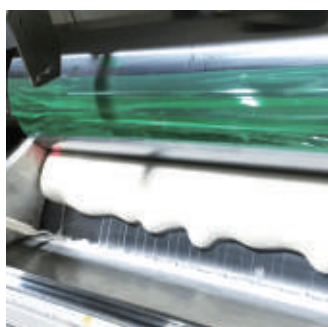


supports various application processes covering epoxy, PU, silicone, acrylic gel, etc. and may follow with automation system for glue dispensing applications e.g. trademark, sticker, PCB, chip protection, and small electronics for enhanced stability and precision and further standardized and mass production. PU adhesion frequently seen in the filter industry, Epoxy waterproof encapsulation for automotive parts, or glue dispensing for the electronics industry may reach a more outstanding productivity using Wason's single and 2k dispensing machines.

## COATING ADHESION



Wason's 2k equipment allows a wide scope of coating processes or small-area workpiece coverage; including pre/porosity sealing, lamination, and the PU composite material coating 2k mixer may precisely control mixture ratio and, for end product requirements, tweak the precision for the raw materials of binary-components, thereby satisfying the customer



criteria for physical changes and standards for finished coating. Such adhesion has an extensive scope of applications covering needs by clients in different fields, such as carbon fiber cloth sealing for car body and medical device, production of trademark nameplate for consumer home appliances, synthetic leather coating and forming for interior of cars, etc. Furthermore, implantation of color paste in minimal discharge, color change and other advanced processes are supported.

## FILL PACKING



The two essential points for 2k potting equipment are precise ratio preentation and even mixture results. The 2K potting machine by Wason may satisfy the said two points. As far as the modern electronics and manufacturing industries are concerned, the encapsulation



and potting of finished products are indispensable for the competitiveness and quality of products on the market; the 2k potting machine has been widely used in the manufacturing processes for car lights (LED), filters, and many small electronics. With the experiences accumulated throughout the years, we may provide professional technical support to the clients from various industries.

## VACUUM PROCESS

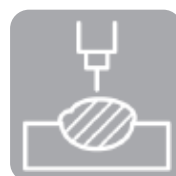


The encapsulation and potting operations in a vacuumed environment may maximize the yield and durability of end products. Instances include servo motor, explosion prevention procedure for coil encapsulation of submersible pumps; requirements on the waterproofing and airtight properties of TPMS and car reverse sensor; in addition, valuable electronics to



be used in adverse circumstances may also apply vacuum potting for significant enhancement in product performance and extended life, enabling competitive edge in the currently competitive global market. Wason leads the industry by early engagement in the R&D vacuum potting processes more than a decade ago, and nowadays proceed the refinement thereof. For varying requirements from the clients, we develop multiple types of vacuum potting systems.

## FOAM SEAL



The polyurethane foaming (or PU foaming) has a more specialized material application condition compared with the common binary-component. The equipment for such needs high-speed mixture within a short period of time and precise control of ratio. Wason has overcome the process conditions with its prolonged study of foaming processes, including the small-discharge dispensing and even mixture to meet the needs for gels. Meanwhile,



Wason has involved in own production of pneumatic hybrid system and motor, which has been widely applied to the manufacturing of float, automotive parts, architecture, footwear and noise-cancelling products. With wide applications, the products yield may be compromised owing to environmental factors during processes. Wason's team is able to automate the process data module for a more stable process operation, allowing client requirement of products on the application end.

## DISPENSING AUTOMATION (SYSTEM)



With professionalism and enriched experiences, Wason's technological team provides clients the auto dispensing/potting scheme. The 2k dispensing machine may flexibly follow with various automatic/semi-automatic workstations, such as desktop 3-axis robot



arms, circling automatic rotation platform, automatic vacuum potting system, or tunnel-oven production line, realizing the ideal plans for production line. In recent years, Wason takes a step ahead with its successful development of potting AIO visual system, which enables automatic potting in conjunction with oven or loading/unloading systems prior to AIO inspection. Such system may follow with Wason's binary-component potting and dispensing equipment as well as vacuum potting system for a comprehensive potting craftsmanship and a more flexible and common application.

# 2K DISPENSING SYSTEM SELECT KEY

## Tank Selection

Due to various kind of output demand for products, necessary to have suitable tank to prevent frequent refill to increase productivity. Furthermore, with the vacuum degassing and reserver tank function to achieve mass production without line stopping.



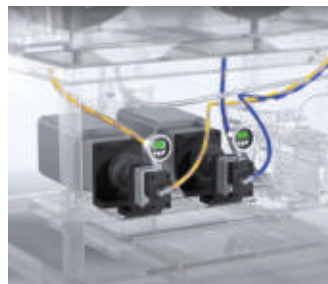
## Material Feature Solution

During refill material and air bubble maybe occur. Solution are by heating function, stir system or vacuum degassing to remove air bubble. After rapid mixing, with auto purge time setting to reduce risk of tube hardening.



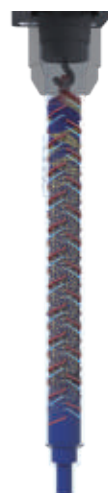
## Selection of Pump

Except output & ratio of material, viscosity & additives also need to concern for pump selection. According to application & material specification to choose whatever gear pump or screw pump of Wason for stable control of metering.



## Dynamic / Static Mixing

The application for 2K component dispenser is by A&B material mixing with ratio setting. Dynamic mixing is applied for material needed to be mixed in a very short term. When (1) mixing ratio; (2) viscosities between two components are distinct. Dynamic system is more complicated for mechanism design & maintenance.



## Influence by the Potting Discharge Setting

Each application with dot, line, fixed discharge, section processing. Too fast potting will cause products non-absorption and machine over working. Too slowly potting will make quality not stable. Do not recommended the same equipment by huge difference for potting volume. To increase life time & operation smoothness.



## Methods for Potting Operations

The AB glue equipment comes in handheld, fixed gun frame, and glue dispensing platform in terms of applications. Handheld application is mostly used in mold forming injection or open product injection, which features handheld moving of glue gun. The fixed gun frame features injection mode in fixed points and discharges, during which the products are in the move. Furthermore, due to raised automation requirements, a majority of the mass production involves valves installed on the dispensing platform.



## About Automation

In response to increasing needs for automation, Wason currently takes steps ahead in the application process for AB glue equipment, with instances of code scanning, weighing, data transmission, curing, automatic loading and unloading of materials, semi-auto, and assembly line, customizable based on client requirements.

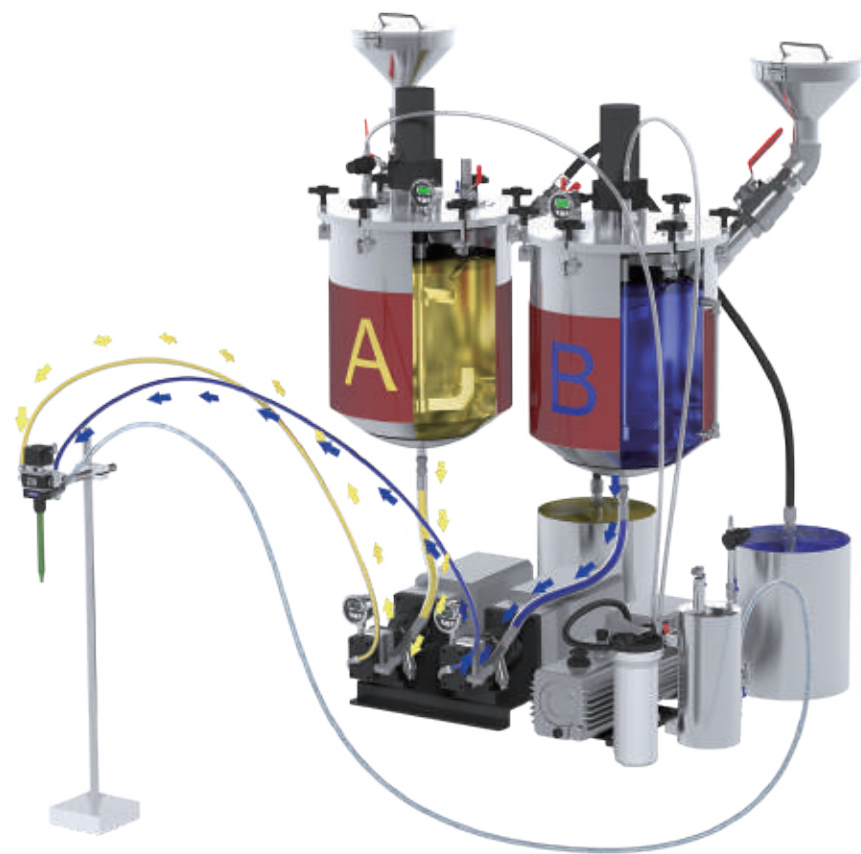


## Packaging and Feed Method

In addition to metering, mixture and stable control of gels, an AB glue equipment requires consideration of handling knowledge and practical operations of raw gel material. For instance, avoiding feeding in an excessively high frequency, handling of deposit, etc, during which the feed to AB glue tanks may be considered differently owing to material packaging and gel conditions.







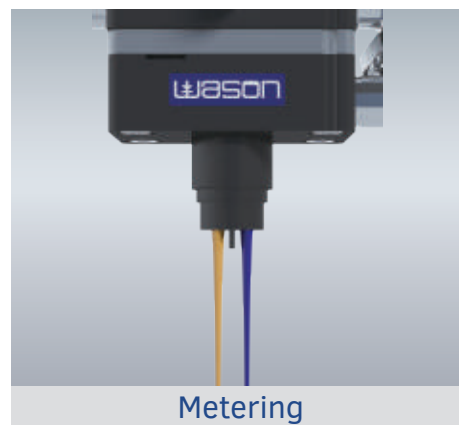
## The AB Glue Equipment G-1 Series G-180 2K Dispensing System

Equipped with precision gear pump. Compact size with low occupancy. 2K dispensing with fixed output function. 7-set memories. Stable dispensing. Suitable for AB glue potting in small discharges, potting for small electronic parts, and other processes.

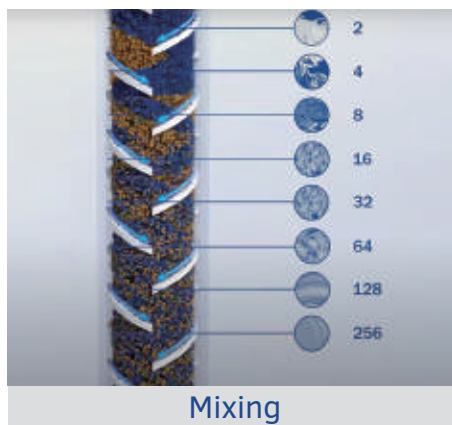
### Recommended Model for Small Discharge Precise Potting

Machine Dimension	90 x 65 x 95 cm	Potting Discharge	0.2 ~ 3 cc
Machine Weight	150 KG	Output Precision	±2%
Power/Air Spec.	AC220V / 20A / 6KG	Tank Capacity	5L
Material	AB Glue, Epoxy Silicone, Acrylic, and PU		

Suitable for 2k dispensing for capacitors, LED lenses dispensing, small transformer sealing, and various 2k dispensing applications for adhesives



Metering



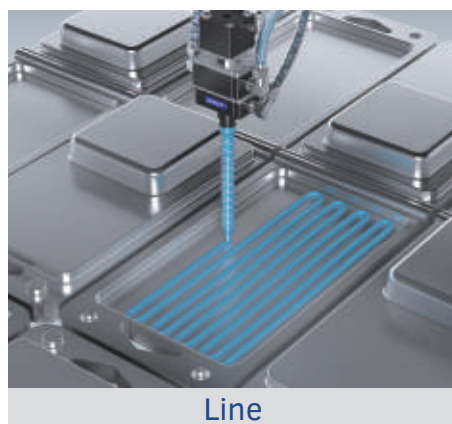
Mixing



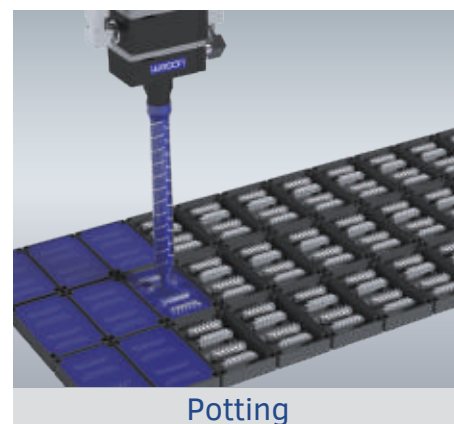
Dispensing



Dot



Line



Potting

### Features

- Stainless steel frame for the entire machine
- Optional stainless steel lower cabinet
- Ratio adjustments: machine gear ratio, fixed mixture ratio control. tweaking available.
- Mixture method: static and dynamic mixtures.
- Micro-computer metering processor supporting learning and instructive memory of discharge fixing.
- 7 memory sets.
- Discharge rate easily changeable
- Precision gear fixed-discharge pump supporting continuous feeding.
- PTC sensing on pipelines, and electronic heating and temperature-control feature.
- Fool-proof function, fault display.





The AB Glue Equipment G-2 Series

G-280 Two-Component Resin Metering System

Floor-model two-component mixing machine. Precise metering. Tanks in 10~40L compatible. By gel properties, pipeline and tank heating, vacuum blending for degassing, etc. may be added. The machine supports various two-component AB glue applications e.g. silicone injection, epoxy dispensing, PU encapsulation, acrylic potting, etc.

Basic Two-Component Glue Dispensing Machine			
Machine Dimension	130 x 70 x 165 cm	Potting Discharge	2 ~ 100 cc
Machine Weight	320 KG	Output Precision	±2%
Power/Air Spec.	AC220V / 20A / 6KG	Tank Capacity	20L / 40L
Material	AB Glue, Epoxy Silicone, Acrylic, and PU		

Suitable for AB glue with UL94 V-0 flame resistance level. Filter PU adhesuon, waterproof epoxy dispensing for lamp fixtures, sensor potting, battery module dispensing, tool adhesion, power supploier, card surface dispensing and adhesion.



- Features
- Stainless steel frame for the entire machine
  - Ratio adjustments: machine gear ratio, fixed mixture ratio control. tweaking available.
  - Mixture method: static and dynamic mixtures.
  - Micro-computer metering processor supporting learning and instructive memory of discharge fixing.
  - 7 memory sets.
  - Discharge rate easily changeable
  - Precision gear fixed-discharge pump supporting continuous feeding.
  - Heating and blending available for tank. Attachment of vacuum pump available.
  - Low gel level display on tank
  - PTC sensing on pipelines, and electronic heating and temperature-control feature.
  - 24-hour automatic circulation at regular interval/in fixed discharges for pipelines (for deposit prevention)
  - Fool-proof function, fault display.



The AB Glue Equipment G-3 Series

G-380 Two-component Mixing System

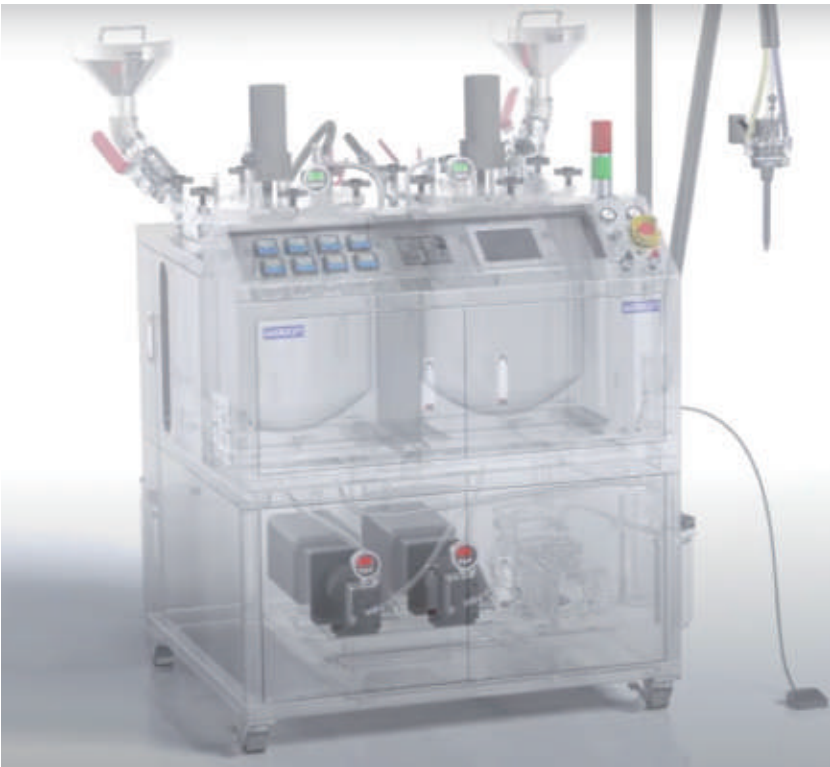
Advanced two-component mixing machine. Tanks in 10~60L compatible. Dynamic mixing , digital temperature display, degassing, automatic feeding, dispensing in fixed discharges, plus operating at regular interval to prevent gel hardening at mixing tube . Applicable to various two-component gel materials.

Basic Two-Component Glue Dispensing Machine			
Machine Dimension	125 x 80 x 152 cm	Potting Discharge	2 ~ 100 cc
Machine Weight	350 KG	Output Precision	±2%
Power/Air Spec.	AC220V / 20A / 6KG	Tank Capacity	40L / 60L
Material	AB Glue, Epoxy Silicone, Acrylic, and PU		

Suitable for AB glue with UL94 V-0 flame resistance level. Heat-conducted potting of silocone on power module, sensor, electrical parts, automotive electronics, charging station, IGBT, coil potting, solar power junction box encapsulation.



- Features
- Stainless steel frame for the entire machine
  - Ratio adjustments: machine gear ratio (fixed), fixed mixture ratio control (ratio adjustable)
  - mixture method: static and dynamic mixtures
  - Micro-computer metering processor supporting
  - 7/50 memory sets.
  - Discharge rate easily changeable
  - Low gel level display on tank
  - Precision gear fixed-discharge pump/ quartz-resistant pump supporting continuous feeding.
  - Heating and blending available for tank. Built-in vacuum pump available.
  - PTC sensing on pipelines, and electronic heating and temperature-control feature.
  - 24-hour automatic circulation in fixed discharges to prevent material precipitation.
  - Fool-proof function, fault display.





## The AB Glue Equipment G-4 Series

### G-460 Fixed-Discharge Mixture Potting Equipment

Advanced two-component glue dispenser. Tanks in 10~120L compatible. Precise adjustment and control of ratio available. Applicable to various two-component gel materials. Dynamic mixing to ensure even texture of gels, digital temperature monitoring, gel degassing, automatic feeding, dispensing in fixed discharges, plus dispensing system operating at regular interval to prevent gel hardening at mixing tube.

#### Two-Component Glue Dispensing Machine

Potting Discharge	10 ~ 100 cc
Output Precision	±2%
Tank Capacity	60L / 120L
Material	AB Glue, Epoxy Silicone, Acrylic and PU

Suitable for PCB potting, PU dispensing and forming for PU footwear, RTM epoxy composite materials, machinery and electric machines.



## The AB Glue Equipment G-4 Series

### G-480 Fixed-discharge Mixing and Injection Equipment

Advanced two-component glue dispenser designed for large injection products. Capable of precise adjustment of control ratio. Even mixture guaranteed. By gel properties, pipeline and tank heating, vacuum blending for degassing, etc. may be added; suitable for PU expanding foam and PU elastomer, the machine is the top choice for footwear industry and rubber wheel industry.

#### Two-Component Glue Dispensing Machine

Potting Discharge	60 ~ 1,000 cc
Output Precision	±2%
Tank Capacity	220L
Material	PU Foam, PU Elastomer

Suitable for PU form, PU synthetic leather adhesion, PU mold foaming.



## AB Glue Custom Equipment

### Rotating Circling Dispenser

Rotating Circling Dispenser. Automatic circling, control of circle numbers, and adjustment to speed. To be applied with two-component glue dispenser, and suitable for acrylic gel, AB glue adhesion works, and circle dispensing; custom design, with worktable matching product dimension.



#### Scope of Application

- Motor Coil Encapsulation, Glue Dispensing for LED Car Light Lens, Thread-locking Fluid (Threadlocker) dispensing, air filter glue dispensing for adhesion, and various circular glue dispensing applications.

#### Features

- Maximal work radius-standard 100mm/single station (custom dimension available)
- Reduction motor drive-speed adjustable.
- One set of top and bottom cylinder
- Glue gun fixation base-glue gun height adjustable by product size. gluing angle adjustable by product properties.
- Jig required may be used in conjunction by product dimension.
- Twin-gun synchronous circling glue dispensing supported.



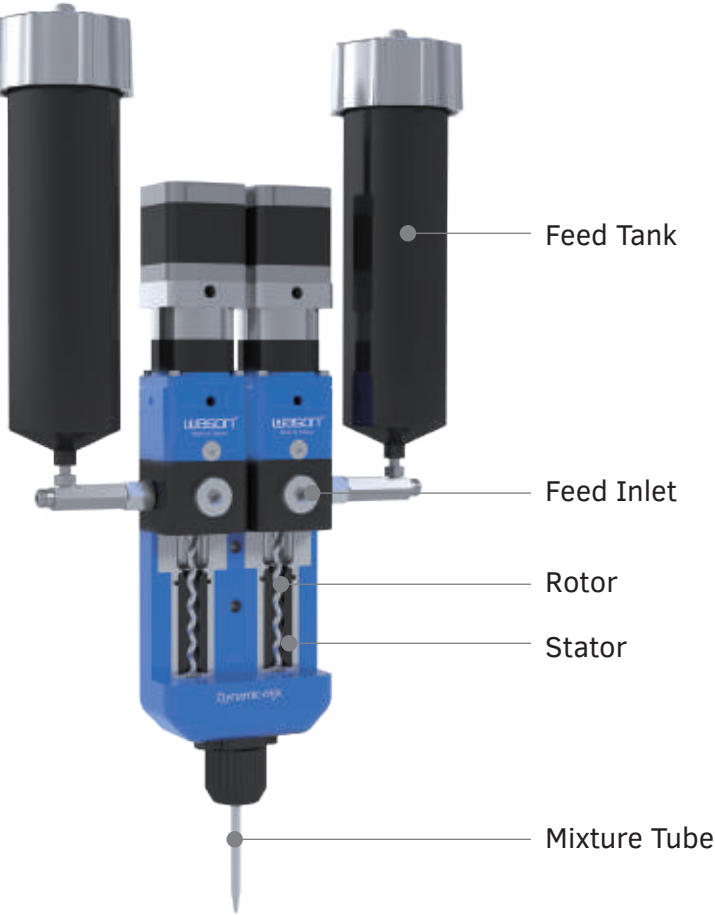
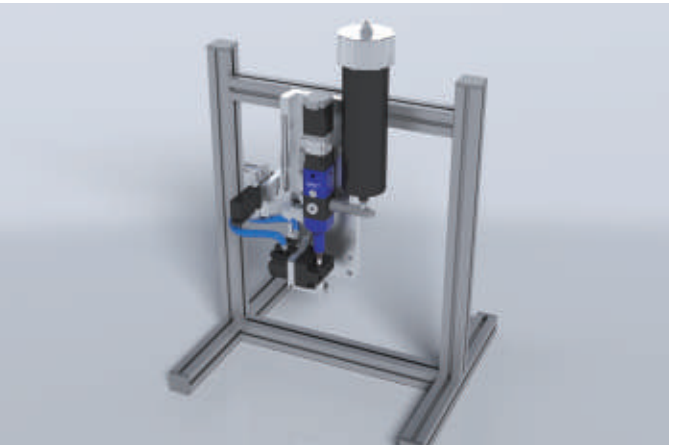


Progressive Cavity Pumps Dispensing Systems

Progressive Cavity Pumps / 2K Progressive Cavity Pumps  
Dynamic Mixing Progressive Cavity Pumps

The eccentric progressive cavity pumps dispensing system drives the rotor with motor, forming a fixed geometry between rotor and stator, realizing a fixed filud discharge. The two-component system is composed of two standalone eccentric progressive cavity pumps dispensing systems metered and pumped respectively. With low internal flow rate, unchanged volume, and stable pressure, the system feeds the mixing system to provide for two-component mixtures. Suitable for mid-to-high viscosity. The gel is of filling material with high abrasion, allowing a stable, continuous and impulse-free feed! To respond to the

automation trend, plastic syringe or stainless steel tank and be used in conjunction to realize the batch operations in point, line, or circle on the automatic three-axis platform. A screw valve features long service life, stability and ease of installation and maintenance, suitable for processing application in high repitition and requiring high precision.



One Component F Type

Model	F05042	F02542	F01542	F00442	F00428	F00128
Dosing / Circle	0.4	0.25	0.13	0.04	0.04	0.01
Dosing / Min.	2.4-36	1.5-22.5	0.91-11.83	0.32-3.68	0.32-3.68	0.06-0.9
Accuracy	±1%					
Inlet Pressure	±6kgs					

Two-Component M Type

Model	M505042	M252542	M151542	M040442	M040428	M010128
Base	0.4	0.25	0.13	0.04	0.04	0.01
Hardener	0.4	0.25	0.13	0.04	0.04	0.01
Output / Min. At 1:1	4.8-72	3-45	1.82-23.66	0.64-7.36	0.64-7.36	0.06-0.9
Tolerance	±1%					
Inlet Pressure	±6kgs					

Dynamic Two-Component D-Type

Model	D505042	D252542	D151542	D040442	D040428	D010128
Base	0.4	0.25	0.13	0.04	0.04	0.01
Hardener	0.4	0.25	0.13	0.04	0.04	0.01
Output / Min. At 1:1	4.8-72	3-45	1.82-23.66	0.64-7.36	0.64-7.36	0.12-1.8
Tolerance	±1%					
Inlet Pressure	±6kgs					

R Series 3-Axis Desktop Dispensing Robot

R-300C(H) / R-400C(H) / R-500C(H) Dispensing Robot

Standard desktop three-axis dispensing robot supporting dispensing routes in dotted, linear and curved patterns. Teaching box operations allowing ease of use. Use in conjunction with AB glue equipment available. Advanced features including visual positioning or laser sensing are available as options. The economical automated glue dispensing equipment with three-axis micro step motor drive, bundled with Teaching box control. Suitable for glue dispensing or glue application for small objects. Use in conjunction with Single dispensing machine or dispensing valve is available.



Applicable Equipment

- Two-component AB glue equipment, progressive cavity pumps

Model	R-300C	R-400C	R-500C
Effective Processing Range	300 / 300 / 100	400 / 400 / 100	500 / 500 / 100
Machine Dimension	49 x 50 x 60 cm	59 x 60 x 60 cm	69 x 70 x 60 cm
Machine Weight	30 kg	40 kg	50 kg
Maximal Load Y/Z-Axis	10.0 kg / 5.0 kg		
Travel Speed (mm/sec)	600 / 300		
Repetitive Precision	±0.02 mm / Axis		
Resolution	0.01 mm / Axis		
Display Method	Teach Pendant LCD, VGA port for optional monitor		
Teaching Mode	Teaching Pendant or PC		
External Interface Control	RS232		
Input Power	AC220V		
Temperature of Working Environment	5-40°C		
Humidity of Working Environment	20-90% condensation		

R Series 3-Axis Desktop Dispensing Robot

R-500YY Dispensing Robot

- Glue dispensing machine featuring dual working platform. The two platforms work in alternating pattern for enhanced working efficiency
- Reduced wait time in loading and unloading. A user may perform operations directly.
- Diversified operations by setting different routes.
- Precision micro step motor for precise traveling.
- Operable independently with no computer connection required.
- Three-dimensional dispensing in dotted, linear and curved paths.
- Graphic teaching box for ease of learning and operations.



Applicable Equipment

- Two-component AB glue equipment, progressive cavity pumps

Model	R-500YY
Effective Processing Range	500 / 500 / 500 / 100
Machine Dimension	69 x 72 x 67 cm
Machine Weight	80 KG
Maximal Load Y/Z-Axis	5.0 kg / 5.0 kg
Travel Speed (mm/sec)	600 / 300
Repetitive Precision	±0.02 mm / Axis
Resolution	0.01 mm / Axis
Display Method	Teach Pendant LCD
Teaching Mode	Teaching Pendant
External Interface Control	RS232
Input Power	AC220V
Temperature of Working Environment	5-40°C
Humidity of Working Environment	20-90% condensation



WR Series 3-Axis Gantry Dispensing Robot  
WR-300 / WR-400 / WR-500  
Gantry Dispensing Robot

WR Series 3-Axis Gantry Dispensing Robot features high capacity for products to be potted and tray weight, plus stable traveling mechanism with reduced shakiness. Ease of route and process settings using keyboard and mouse. Furthermore, in conjunction with AB glue equipment and data transmission, visual recognition, and other automated material feed and unload designs, automated mass production can be achieved.



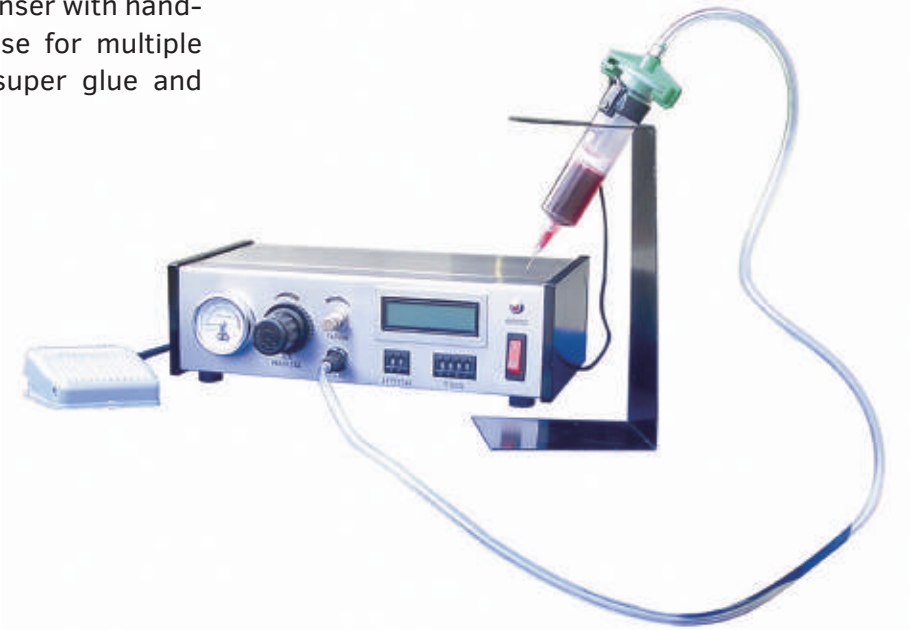
Application Reference Picture

The standard WR Series 3-Axis Gantry Dispensing Robot supports potting workpieces with certain weight in a stable and level manner. The robot features teaching box operation upgradable to keyboard / monitor operation. Available for use in conjunction with AB glue equipment for enhanced stability and automation of production.

Model	WR-300	WR-400	WR-500
Effective Processing Range	300 / 300 / 100	400 / 400 / 100	500 / 500 / 100
Machine Dimension	91 x 80 x 140 cm	100 x 88 x 150 cm	105 x 91 x 160 cm
Machine Weight	90 kg	100 kg	110 kg
Maximal Load Y/Z-Axis	30.0 kg / 5.0 kg		
Travel Speed (mm/sec)	500 / 300		
Repetitive Precision	±0.02 mm / Axis		
Resolution	0.01 mm / Axis		
Display Method	19" LCD Monitor		
Teaching Mode	PC keyboard / mouse with windows		
Input Power	AC100-230V 330W		
Temperature of Working Environment	5-40°C		
Humidity of Working Environment	20-90% condensation		

Dispenser Machine SD Series  
SD-3100 Dispensing Machine

Simple pneumatic one-component dispenser with hand-held syringe for dispensing; easy to use for multiple materials, such as silicone, UV glue, super glue and white glue.



Features

- Setting of shot time and interval available.
- Glue discharge pressure adjustable. Vacuum resorption available.
- Glue discharge control with manual dispensing switch and foot switch.

Model	SD-3100
Automatic Time Setting	Shot Time : 0.001~9.999 sec. Interval : 0.1~9.9 sec.
Manual Time Setting	Manual Continuous Dispensing, Single-Point Dispensing in Fixed Amount, Continuous Dispensing in Fixed Amount
Precision	±0.05 %
Power Consumption	220~240V±10% ; 50 / 60 Hz AC
Internal Voltage	24V DC
Minimal Drip	0.005 ml
Input Air Pressure	Max 7 kgf / cm <sup>2</sup> (bar)
Output Air Pressure	0.1~5.5 kgf / cm <sup>2</sup> (bar)
Others	Vacuum Resprotion, Run Output Display, Manual Switch
Applicable to Gel	Epoxy, Silicone, PU Glue, UV Glue, Lubricant, Welding Flux, Solder Paste, SMT Adhesive, COB, Thread Locker, etc.

### Vacuum Chamber

### VF-4040 / VF-5050 Vacuum Chamber

The standard vacuum chamber product fully built in stain-less steel. Acid and base resistance. For gels degassing before and after mixture.

Options:

- 1、Digital Vacuum Gauge: Electronic gauge and PLC for process control setting.
- 2、Automatic Valve: Contains pneumatic ball valve for automatic switch and control of valves.
- 3、Timer: Install timer for setting degassing time.
- 4、PLC/HMI: Venting process settings such as time, valve and vacuum value may be programmed.

Model	VF-4040	VF-5050
Machine Dimension	65 x 60 x 150 cm	81 x 71 x 165 cm
Machine Weight	120 kg	150 kg
Power/Air Spec.	AC220V / 20A / 0KG	



#### Features

- Stainless Steel with Tempered glass cabinet
- 1HP oil-immersed vacuum pump
- Double-layer 8m/m safety glass
- 0.5μ-10μ filter.
- Air venting up to 24m3/hr at 60hz
- Vacuuming up to 2mbar/758mmhg
- PLC vacuum process control as option



### Vacuum Dispensing System

### VD-4040R Vacuum Dispensing System

Automatic vacuum dispensing equipment designed for high vacuum demands and bubble-free potting for AB glue in tank defoaming and vacuum chamber; capable of proportion control for even mixing; vacuum dispensing and injecting to ensure bubble-free in products; fully automatic control; capable of dispensing along complicated linear, circular and curved paths in the vacuum environment, realizing reliable vacuum dispensing.

Model	VD-4040R
Machine Dimension	Electric Control Box : 68 x 63 x 175 cm Vacuum Chamber : 110 x 140 x 200 cm
Machine Weight	Electric Control Box : 150 KG Vacuum Chamber : 580 KG
Input Power / Current / Gas Source	AC220V / 80A / 6 KG

Suitable for dispensing on electronic ignition coils, high-voltage coil sealing, potting on high-frequency transformers, power supply sealing, glue injection on motor windings, capacity sealing, dispensing on automotive reverse sensors, glue injection on automotive electronic tire pressure sensors.



#### Features

- Stainless steel vacuum chamber with double-layered tempered glass vacuum door.
- Automatic vacuum door opening and closing.
- Optical gate protection on electric door to keep operators from harm.
- An XYZ 3-axis robotic arm in 300x300x50mm or 400x400x50 mm (customized dimensions upon request).
- A high-performance dispensing diaphragm valve capable of drawing 2D, and 3D, points, lines, irregular curves, and circles.
- Suitable for 3-stage vacuum potting and dispensing.
- IPC equipped with Windows XP in Chinese interface.
- Joystick control/teaching of move ments and positioning with mouse
- Process control by PLC.
- Vacuum potting throughout the entire process to prevent bubble in products
- \* Suitable for mass production.



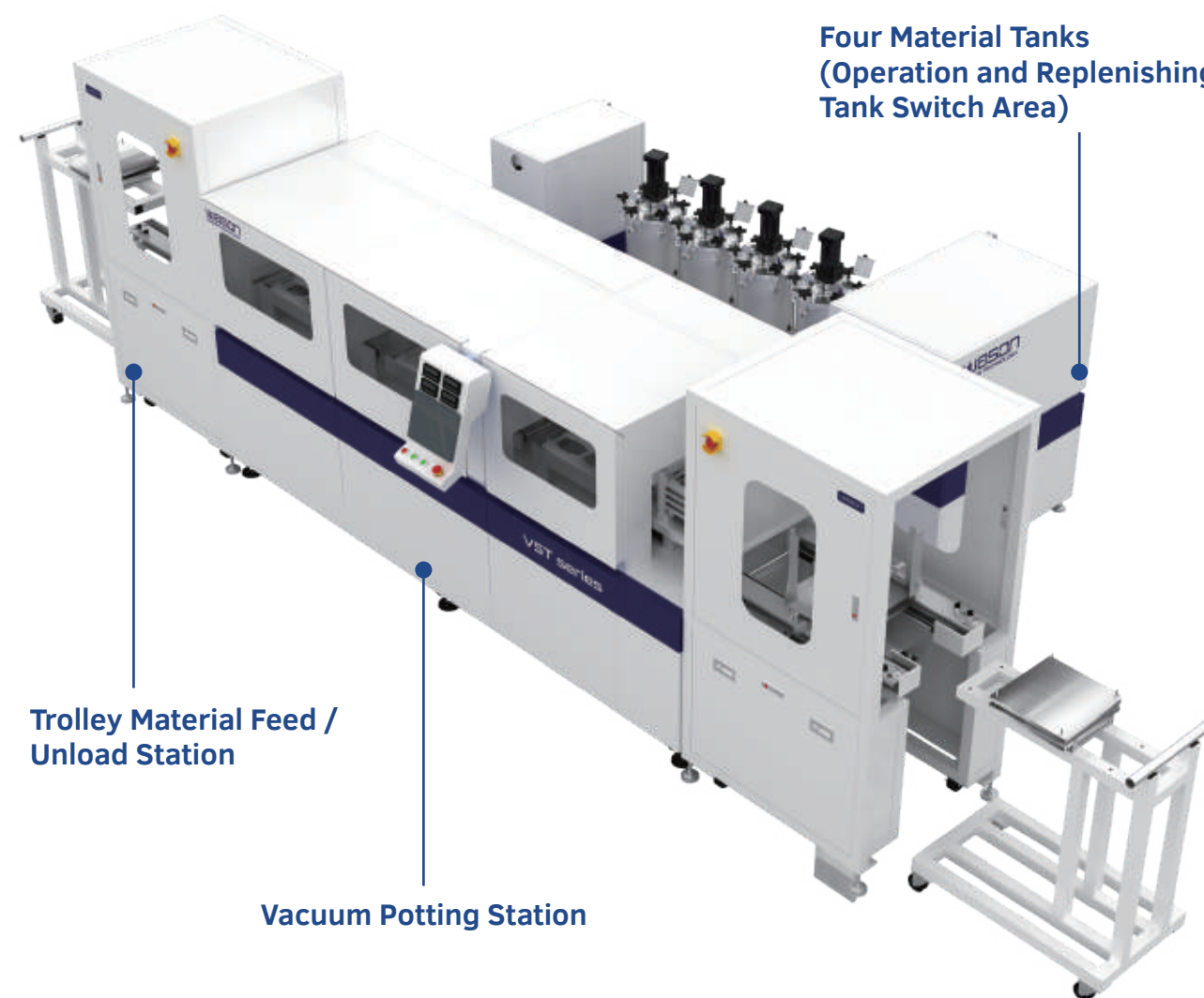


## Automation Inline Vacuum Potting System

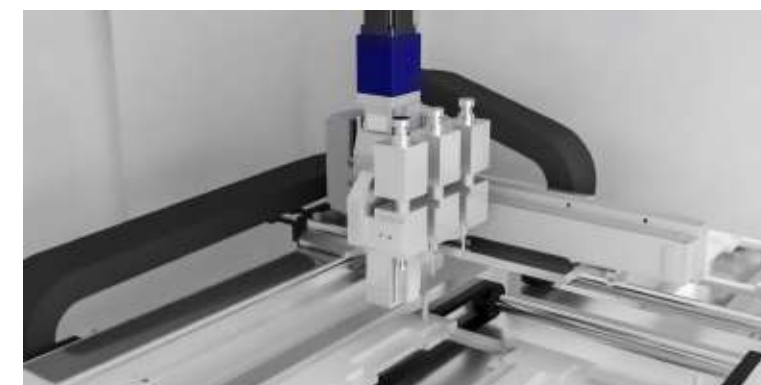
## Automation Inline Vacuum Potting System VST-3334

Automatic vacuum dispensing equipment available with trolley design or for docking with up and downstream equipment for material loading and unloading; upgradeable with functions like weighing, barcode reading and MES transmission; realizes mass production performance of production line when combined with AB glue equipment. The equipment consists of a metering dispenser and an inline vacuum potting system (including a conveyor belt). The potting area in the vacuum chamber is provided with a precision 3-axis automatic robotic arm for precision potting at fixed amount and position. The potting is done with a triple potting nozzle. The entire process is PLC-controlled for potting at points and along lines, 2D and 3D paths. Every unit is capable of potting at fixed position and amount with high precision, thus minimizing material losses and saving production cost.

- Switches among four tanks for uninterrupted operations. One set of operation tank and replenishing tank is used in alternation.
- Loading and unloading trolley system capable of stacking jig trays.
- Operation in batches available. Trolley jigs may be stacked, moved and cured.

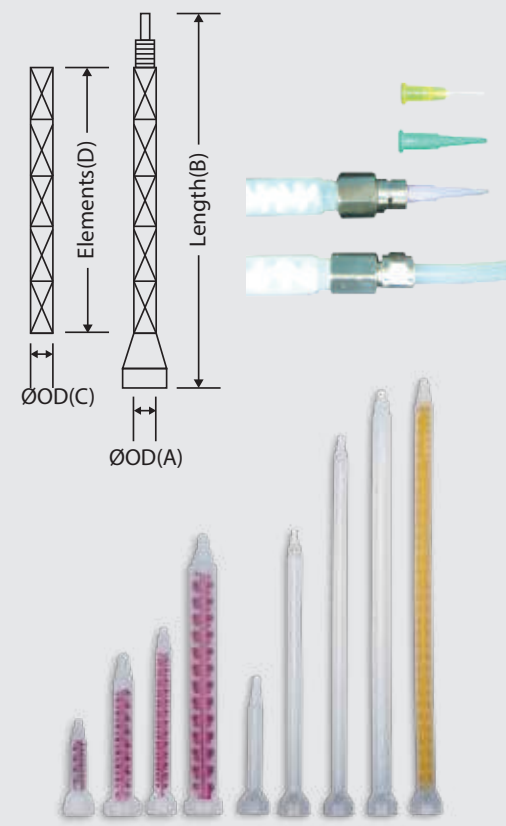
Automation Inline Vacuum Potting System  
Automatic Potting System

- Fully automatic potting system
- Curing area heating up to 80~100 degrees
- Cooling station for cool down after curing
- Weighing and laser height measuring modules
- Tray transfer or unloading to the downstream directly



Static/Dynamic Mixers

Wason’s own dispensable mixing tube made of PP; also cleanable to save costs for consumables; static mixing tube suitable for AB glues with ratio 1:1 ~ 4:1 ; dynamic mixing tube for 5:1~100:10.



	Model	Length (mm)		Mixer (mm)	
		Outer Diameter(A) mm	Length(B) mm	Outer DiameterΦ(C) mm	Elements(D)
Dynamic	RS9-08	17.1	67.9	12.6	8.0
	RS9-16	17.1	101.5	12.6	16.0
	RS9-26	17.1	143.7	12.6	26.0
	RS12-16	17.1	127.4	16.0	16.0
	RS12-26	17.1	178.0	16.0	26.0
Dynamic	RM12-16	22.0	122.9	16.0	16.0
	RM12-26	22.0	178.0	16.0	26.0
	RM17-16	22.5	150.5	21.2	16.0
	RM17-26	22.5	217.0	21.2	26.0
Static	S6-08	17.0	88.2	9.4	8.0
	S6-30	17.0	180.7	9.4	30.0
	S6-36	17.0	221.0	9.4	36.0
	S6-42	17.0	252.0	9.4	42.0
	S9-36	17.0	280.1	12.5	36.0
	S9-42	17.0	320.0	12.5	42.0
	S12-24	17.0	278.0	16.5	24.0
	S12-36	17.0	337.0	16.5	36.0
	S12-42	17.0	380.7	16.5	42.0

Needle Tips TT Series

Rich stocks of dispensing consumables, such as stainless-steel and plastic dispensing nozzles, in various lengths and sizes for the needs of most potential customers.



Model	Color	Length (mm)
TT14	Olive	32
TT16	Gray	32
TT18	Green	32
TT20	Pink	32
TT22	Blue	32
TT25	Red	32

Needle Tips Stainless Steel Series

Rich stocks of dispensing consumables, such as stainless-steel and plastic dispensing nozzles, in various lengths and sizes for the needs of most potential customers.



Model	Length (mm)	Inside Diameter
10G	25.0	2.9
11G	25.0	2.6
12G	25.0	2.2
13G	25.0	2.0
14G	25.0	1.8
15G	25.0	1.4
16G	25.0	1.3
17G	25.0	1.1

Needle Tips TS Series

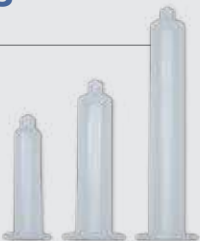
Rich stocks of dispensing consumables, such as stainless-steel and plastic dispensing nozzles, in various lengths and sizes for the needs of most potential customers.



Model	Color	Length (mm)	Inside Diameter
TS16	Gray	13.0	1.6
TS17	Trans.	13.0	1.5
TS18	Green	13.0	1.3
TS19	Trans.	13.0	1.0
TS20	Pink	13.0	0.9
TS21	Purple	13.0	0.8
TS22	Blue	13.0	0.7
TS23	Orange	13.0	0.6
TS24	L.Gray	13.0	0.6
TS25	Red	13.0	0.5
TS26	L.Orange	13.0	0.5
TS27	Trans.	13.0	0.4

Barrels Series

Consumables and replacement parts for pneumatic plastic feeding tank



Size	Material	Length (mm)
10 CC	Plastic	91.0
30 CC	Plastic	118.3
55 CC	Plastic	176.5