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INNOVATIVE PRECISION DISPENSING TECHNOLOGY

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At TAEHA Corporation, we are relentlessly dedicated to new technology development and constantly strategizing to provide total solutions perfectly suited to the processes of our valued customers. We will continuously strive to deliver the most precise and efficient solutions, specifically tailored to enable our customers to effectively implement their desired processes.

”

Honesty, Credibility, Creativity

TAEHA CORPORATION : Your Total Dispensing System Solution Partner

TAEHA Corporation is a specialized manufacturer of liquid precision dispensing systems (DISPENSERS), guided by our founding principles of Honesty, Credibility, and Creativity. Driven by the unwavering conviction that "we respond to users' needs with honest and accurate technology," we have consistently designed, manufactured, and supplied related equipment across all sectors of domestic industries, including electronics, automotive, biotechnology, and machinery.

Liquid precision dispensing systems represent a sophisticated integration of diverse peripheral technologies, encompassing mechanical engineering, control systems, and chemistry. This dynamic industry perpetually demands continuous research and innovative technological advancements. At TAEHA, we tirelessly engage in continuous new product development and business expansion, commercializing a wide array of solutions to satisfy evolving customer demands. Furthermore, we are dedicated to evolving into a world-class total solution provider for liquid precision dispensing systems, grounded in a robust foundation and equipped with a versatile range of applications.

Always prioritizing our customers, we are committed to pursuing high-quality products and developing relentless new technologies, ensuring we reciprocate your steadfast support.

CEO **Kiryong Han**

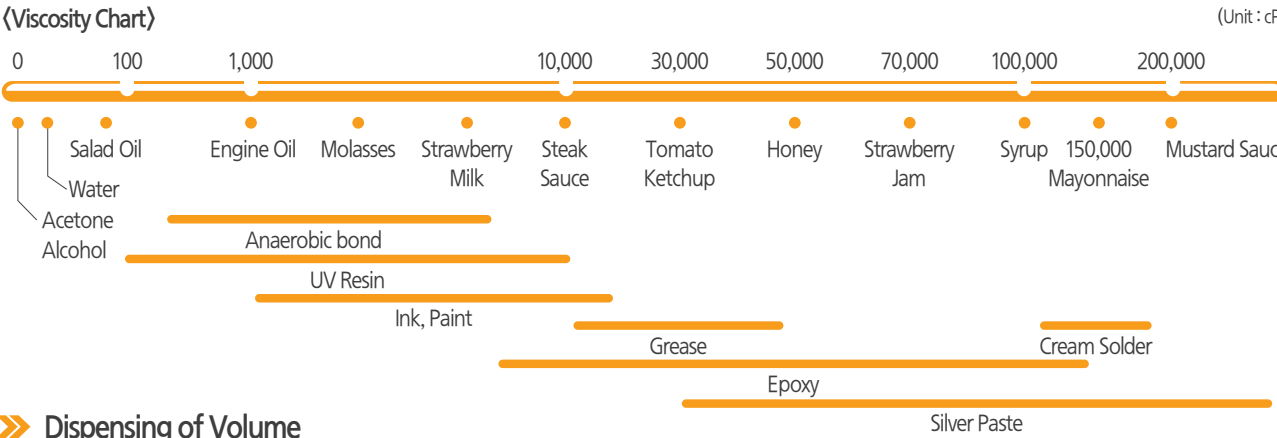
TECH

Precision Liquid Dispensing System

TAEHA Corporation excels in providing advanced liquid dispensing system solutions, meticulously tailored to diverse processes and materials. With over three decades of unparalleled expertise, we offer in-depth professional consultation to ensure the delivery of the most optimal dispensing system, combining superior performance with competitive pricing.

Material

- Type
- Dispensing materials include cyanoacrylate adhesives (instant adhesives), one-component epoxy, two-component epoxy, anaerobic adhesives, UV adhesives, RTV silicone, and many others. Since each material has distinct characteristics, it is essential to select the appropriate system accordingly.
- Viscosity
- Among the properties of dispensing materials, viscosity is the most critical factor in determining the suitable system. Viscosities range widely—from low-viscosity materials such as water to high-viscosity paste-type materials. Because viscosity is the most important factor in system selection, it must be clearly identified. If the exact viscosity is unknown, it can be roughly estimated by referring to a viscosity reference table of commonly encountered materials in daily life.



Dispensing of Volume

The volume of material to be dispensed and the acceptable error rate must be clearly defined for the target area.
Example : Dispensing volume 0.1 ml, ±10% or less (1ml = 1cc)
We have visualized the dispensing volume measurements and dispensing patterns as shown below. The appropriate volume is calculated from the corresponding viscosity chart or line chart, and the dispensing pattern is selected accordingly.

Dots

Volume of a dot= $\frac{1}{2}$ the volume of a sphere = $v = .2618d^3$
→ | ← : diameter of dot(d)

dot	•	•	•	•	•	•	•	•	•	•
Volume(CC)	0.0003	0.0001	0.0005	0.003	0.009	0.021	0.029	0.046	0.059	0.075
mm	0.5	0.8	1.3	2.3	3.3	4.3	4.8	5.6	6.1	6.6
inches	0.02	0.03	0.05	0.09	0.13	0.17	0.19	0.22	0.24	0.26

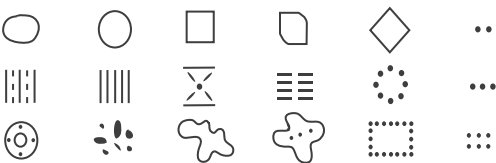
Lines

Volume of a line= $\frac{1}{2}$ the volume of a cylinder = $v = \frac{1}{2} \pi r^2 l$ ($\pi = 3.1416$)

r=radius d=diameter L=length	10mm	Volume(cc) 0.5mm wide 0,00098 1mm wide 0,00393 1.5mm wide 0,0088 2mm wide 0,157 2.5mm wide 0,245
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Dispensing Patterns

To achieve various dispensing patterns, operations can be performed using tools such as Shower Needles, Special Needles, and multi-axis Robot Systems. TAEHA Corporation provides Dispenser Systems that are optimally suited for your process and are offered at a competitive price.



CONTENTS

INTRO

INTRO	02
CEO'S MESSAGE	03
OVERVIEW	04
CONTENTS	05
PRO PUMP (Principal & Features)	06-07

MATERIAL FEEDING SYSTEM

MTS SERIES	08
BMFS SERIES	09
MFS, MFE SERIES	10-15
PRO-CP SERIES	16-18
TCP SERIES	19
SSR/SSF SERIES	20-21
MFD SERIES	22
CARTRIDGE FEEDING SYSTEM	23

DISPENSING SYSTEM

PCP SERIES	24-27
PDP SERIES	28-31
PRO-PUMP CONTROLLER	32-33
PEC SERIES	34
PRO-PUMP ACCESSORIES	36-37
2K ANTI DRIP VALVE	38-39
PSP SERIES	40-41
PRO SPINNER UNIT	42
MP SERIES	43
PLUNGER PUMP SYSTEM	44-45
NANO PEN SYSTEM	46-47
NANO PIPETTE SYSTEM	48
PRECISION VAVLE	50-56
SPRAY VALVE SYSTEM	58-59
HYBRID DYNAMIC MIXING SYSTEM	60-61
AUGER PUMP SYSTEM	62-63

STANDARD SYSTEM

SPEC SERIES	64-65
THE SERIES	66
TUBING PUMP	67
BARREL HEATING SYSTEM	68
ITCON SERIES	69

PLUMBING SYSTEM

LPR SERIES	70
HIGH-PRESSURE FLUID HOSE	71
PFA, LET	72
PLUMBING ACCESSORIES	73
NEEDLE SERIES	74-78
ADAPTER SERIES	79

AUTOMATION SYSTEM

PRO'S-100 SERIES	80-81
DSiV SERIES	82-83
RDU-200	84
TFM SERIES	86-88
TFM-EP SERIES	89
ROBOT APPLICATIONS	90-91

INTEGRATED SYSTEM

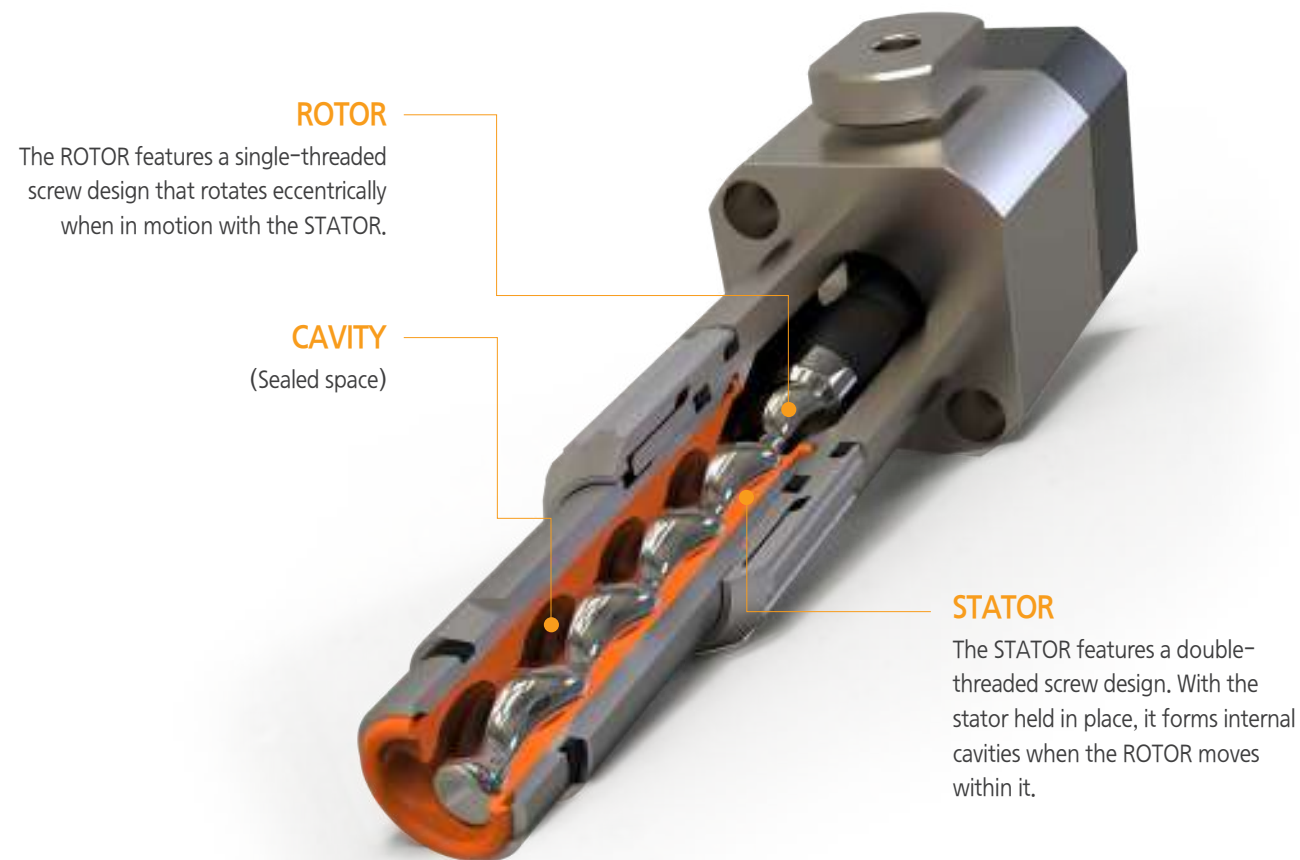
LSR & LIM APPLICATIONS	92-93
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OUTRO

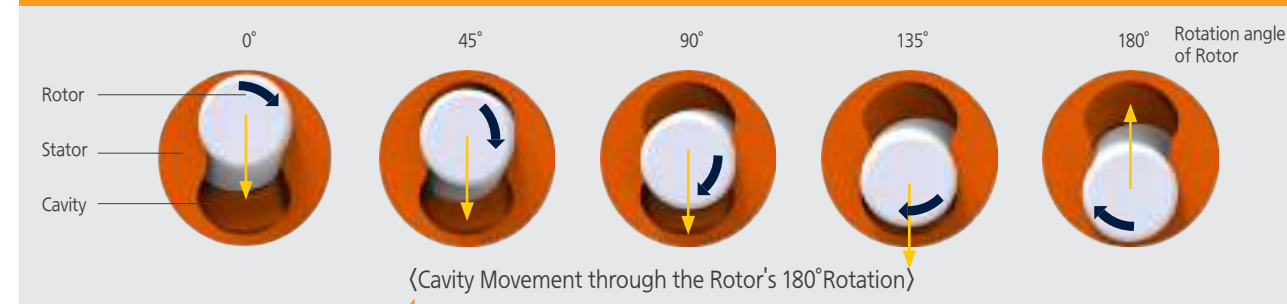
HISTORY	94-96
SALES NETWORK	98-99

PRO-PUMP Principle & Features

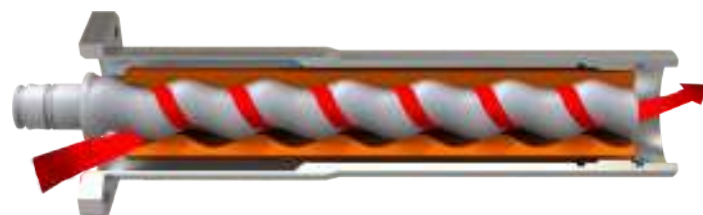
The PRO-PUMP is a continuous closed-cavity transfer pump that accurately meters, transfers, and dispenses even the most challenging materials. This is achieved through its innovative structure and exceptional precision.



Pulsation-free & Precise Metering Transfer Created by the Rotor and Stator Combination



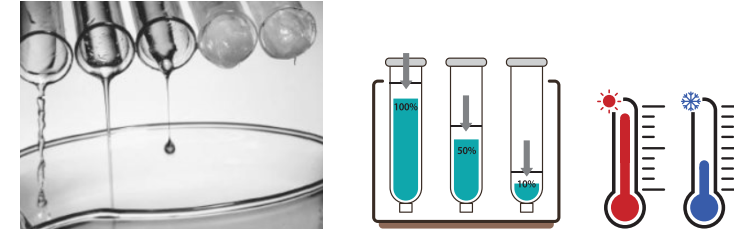
Because the cross-sectional area of the cavity remains constant regardless of the Rotor's position, the dispensed volume is always consistent. Furthermore, the dispensed volume per unit time is directly proportional to the Rotor's rotational speed.



The sealed cavity, formed by the combination of the Rotor and Stator, moves forward with the rotation of the Rotor. This movement generates both vacuum at the pump inlet and pressure at the pump outlet, leading to a continuous and precise discharge of the material.

»» Precise Metering and Dispensing Regardless of Viscosity Changes or Head Pressure Differences

The PRO-PUMP accurately and consistently dispenses materials, even with viscosity changes caused by external environmental factors or variations in head pressure within the container.



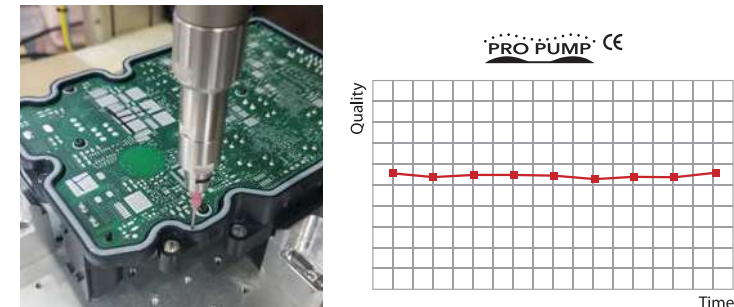
»» Clean Dispensing, Free from Nozzle Tip Residue (Ball-up)

Our powerful suck-back function ensures that liquid accumulation or stringing at the dispense tip is eliminated or minimized, resulting in consistently clean dispensing.



»» Continuous, Pulsation-Free, and Consistent Dispensing through Rotor and Stator Combination

The cross-sectional area of the cavity remains constant regardless of the Rotor's position, ensuring uniform material dispensing without pulsation.



»» Our system precisely meters and dispenses materials that are difficult to convey with conventional pumps or valves.

Thanks to its sealed transfer structure, it consistently discharges precisely measured flow rates without damaging even particulate materials or those that are otherwise challenging to dispense."



»» Its simple and compact structure allows for very easy disassembly, assembly, and cleaning.



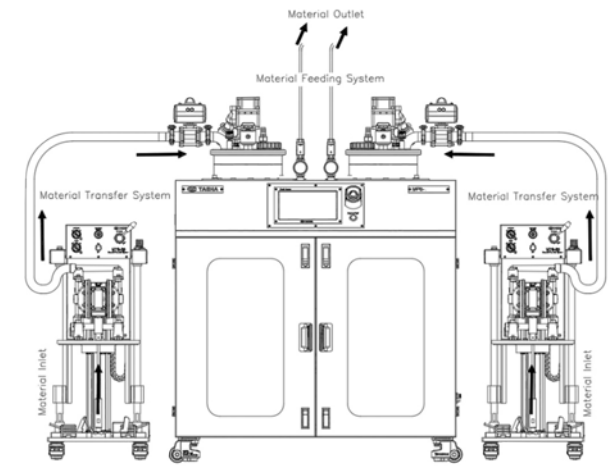
This system uses materials directly from their packaged containers (CANS), ensuring clean material transfer to the supply unit without contamination from foreign matter or air bubbles. Based on over 30 years of accumulated technical know-how as a dispensing specialist, our experts manage the entire process from design to production to ensure stable and accurate transfer of the materials our customers require.



- MTS-20**
- Its simple equipment configuration makes it easy to use and convenient for maintenance.
 - The sight window and material low-level sensor allow users to easily check the optimal time for container replacement.
 - It achieves uniform material transfer by simultaneously performing material feeding and agitation.
 - It minimizes production downtime by eliminating the need for separate degassing.
 - Heating of the container, transfer pump, and piping can further facilitate material transfer (Optional)



Item	Model	MTS-20
Container		20L Pail
Size(WxDxH)		400x579x 880~1,380(mm)
Weight		≒55.0kg
Power		AC 220V(±10%), 50/60Hz
Power Consumption		Max. 1.2kW
Operating Air Pressure		0.2 ~ 0.7 Mpa
Air Port		Ø8 (mm)
Operating Mode		Manual
Viscosity Range		1,000 ~ 20,000 cP
Flow Rate		Max. 45.4L/min
Material Outlet Port		PT1/4" (option PT3/8")
Wetted parts		Stainless Steel / FKM / PP
Mixing Motor		Max 37.5rpm / Rated torque 0.2 N · m



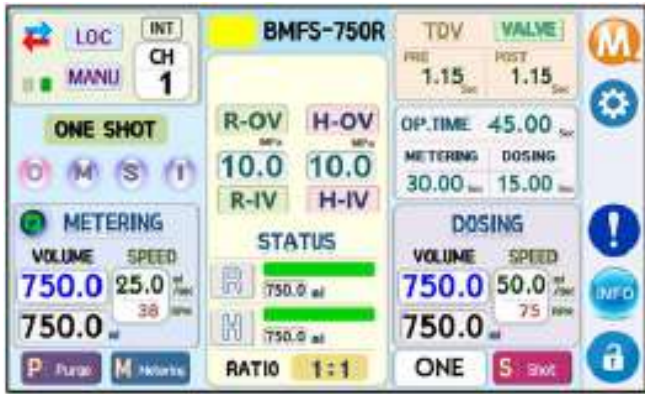
〈System Diagram〉

The optimal piston pump dispensing system for precisely dispensing high-viscosity and highly abrasive materials at high speed (high flow rate) under high pressure.



APPLICATION

- Ideal for medium to high viscosity materials such as Grease, Epoxy, Gap Filler, and Silicone
 - Metering, Filling, Potting, Sealing, Bonding (dot, line)
- ✓ Minimizes material degradation by adopting a FIFO (First-In, First-Out) structure.
 - ✓ Enables long-distance, precise metering and dispensing of medium to high-viscosity materials.
 - ✓ Suitable for materials with high filler content due to the use of wear-resistant materials.
 - ✓ Simple maintenance thanks to optimized mechanical design.
 - ✓ Prevents air bubbles and optimizes efficiency through an optimized fluid path.
 - ✓ Standardized and diverse line-up including 1-component, 2-component, and individually driven systems.



〈 Controller Monitor - Home Screen 〉

Model Naming

BMFS - 750 (R) (1)

Chamber Capacity
300 300mL
750 750mL

Mixing Ratio
1 → 1 : 1
2 → 2 : 1
3 → 3 : 1
4 → 4 : 1
10 → 10 : 1

No Mark : 1-Component
R(ratio) : 2-Component

Item	Model	BMFS-750R1
Size (WxDxH)		455x480x1400(mm)
Weight		≒150.0kg
Power		AC 220V, 50/60Hz
Power Consumption		Max.2.4KW
Control		Micro Processor
Display		Touch 7" TFT LCD
Feeding Pressure		Max. 10MPa
Material Inlet Port		AN1-1/16" - PT3/4"
Material Outlet Port		AN1-1/16" - PT3/4"

The MFS/MFE series is a material feeding system that uniformly and stably supplies 1K and 2K materials, contributing to precise dispensing and the realization of excellent final product quality. Depending on the optional configuration, continuous, unlimited supply is possible, supporting long-term, stable, and economical process operation.

This innovative system does not use compressed air, eliminating the need for separate industrial safety certification and prioritizing workplace safety. Furthermore, it offers flexible adaptation to various process conditions by allowing free configuration of vacuum degassing time, preheating function, and stirring function according to the material's characteristics.

The inside of the tank is always maintained under vacuum, preventing material degradation or curing problems caused by external moisture, thereby ensuring consistent quality. This also contributes to excellent long-term preservation of materials, especially effective for moisture-sensitive materials such as polyurethane and conformal coatings.

Moreover, it provides high expandability with a choice of various tank capacities and the option to add features tailored to process conditions. It can be easily combined with various dispensers and dispensing devices, allowing flexible application in production lines, and boasts simple operation and maintenance.



Taeha's MFE Series is an entry-level, manually controlled material feeding system that offers an affordable price and stable performance.

Operated by a 3-way hand valve, it allows for easy handling by operators and convenient maintenance.

Available for both 1-component and 2-component applications, with various additional options, it ensures accurate and reliable material supply tailored to customer requirements.

Item	Model	2K MFE STD Specification				
Model		V1010	V2020	V2010	V3030	V3010
Size (WxDxH)		1100 x 665 x 1430 (mm)				
Weight		≈250kg				
Operating Air Pressure		0.5 ~ 0.6MPa				
Number of Tanks		2	2	2	2	2
Tank Capacity		10/10L	20/20L	20/10L	30/30L	30/10L
Power		AC 220V 50/60Hz				
Feeding Pressure		Diaphragm pump(0.8MPa) / Pro-pump(3.0MPa)				
Vacuum Level		~101.3kPa(g)				
Frame		Sheet Metal SQ Pipe				
Tank		Stainless Steel, Constant Vacuum, Demoisture				
Suction Pipe		Auto Material Supply				
Feeding pump		Standard / Option : Pro-pump(High filler)				
Agitator		Double Helix Impeller				
Auto Switching		Constant Feeding				

1K MFS SERIES (AUTOMATIC TYPE)



The MFS Series features a touchscreen-based, user-friendly interface and dedicated software, allowing operators to easily control the equipment, with simple maintenance.

Available for both 1-component and 2-component applications, with various additional options, it enables precise material supply tailored to customer requirements. The use of uniform, bubble-free materials is essential for achieving optimal dispensing results and securing excellent product quality.

The MFS Series is an automatically controlled system that utilizes proprietary material supply software to ensure reliable material supply and dispensing quality. This enhances the accuracy and consistency of material preparation and supply processes, allowing effective responses to diverse customer production demands.

Item	Model	1K MFS STD Specification
Model		MFS-VC30
Size (WxDxH)		800 x 866 x 1717 (mm)
Weight		≒230kg
Operating Air Pressure		0.5 ~ 0.6MPa
Number of Tanks		1 EA
Tank Capacity		10L / 20L / 30L
Power		AC 220V 50/60Hz
Feeding Pressure		Diaphragm Pump(0.8MPa), Pro-pump(3.0MPa)
Vacuum Level		~101.3kPa(g)
Display		Touch LCD 10"
Controller		MFC-100A
Frame		Sheet Metal SQ Pipe
Tank		Stainless Steel, Constant Vacuum, Demoisture
Suction Pipe		Auto Material Supply
Feeding pump		Standard / High filler
Agitator		Double Helix Impeller
Auto Switching		Constant Feeding

2K MFS SERIES (AUTOMATIC TYPE)



The MFS Series is a material supply system equipped with a touchscreen-based, user-friendly interface and proprietary software. This design makes the equipment simple to operate and easy to maintain.

Available for both 1K and 2K materials, the MFS Series can be customized with a variety of options to meet your specific requirements for precise material supply.

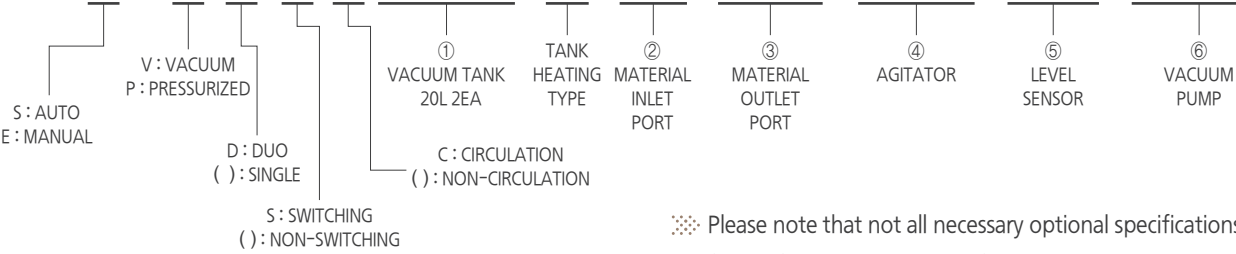
Consistent, bubble-free material is essential for optimal dispensing and high-quality end products.

To achieve this, the MFS Series utilizes our proprietary software, enabling reliable material supply and dispensing quality. This automated control system ensures accuracy and consistency throughout the material preparation and supply process, effectively meeting a wide range of production demands.

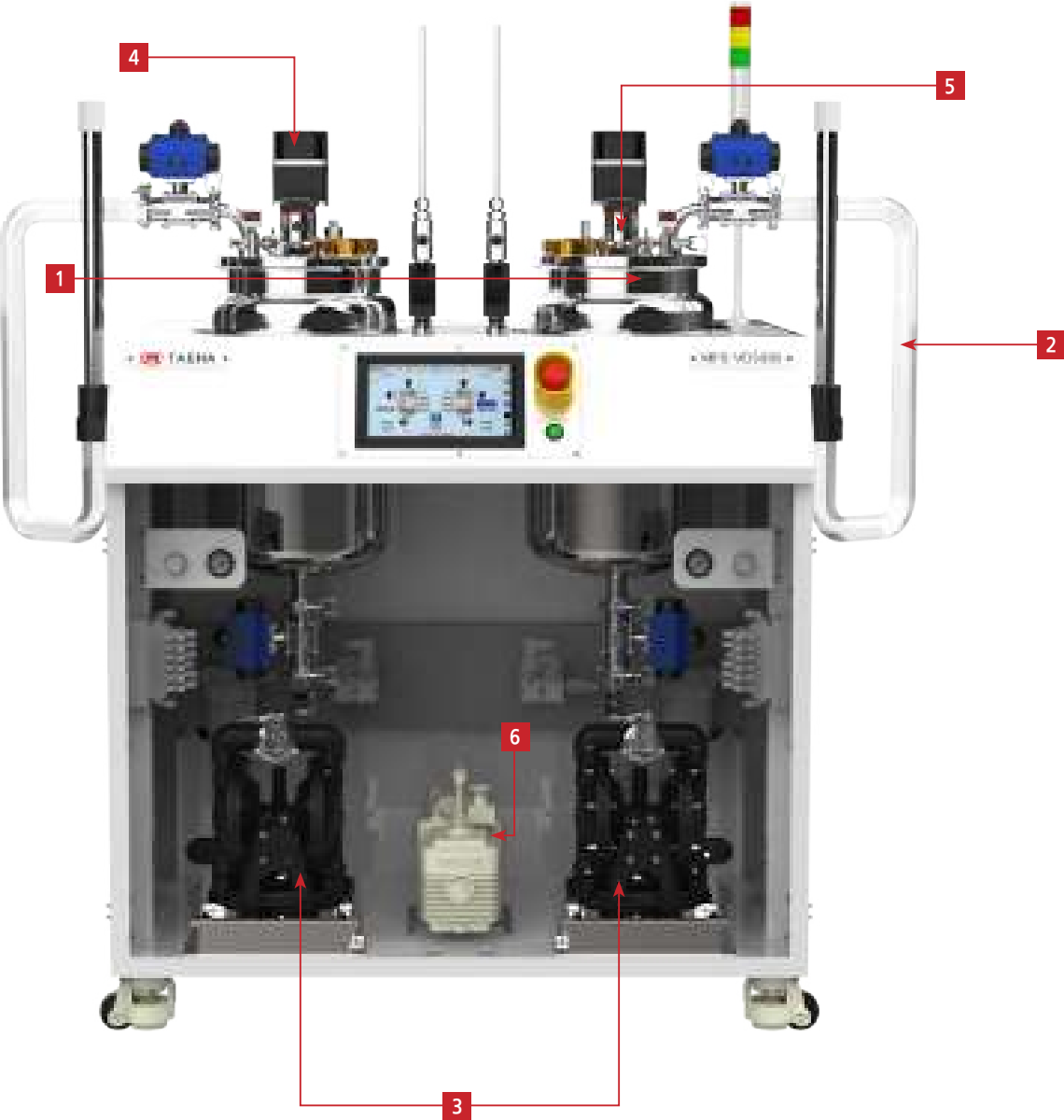
Item	Model	2K MFS STD Specification				
Model		V1010	V2020	V2010	V3030	V3010
Size (WxDxH)		1100 x 855 x 1717 (mm)				
Weight		≒250kg				
Operating Air Pressure		0.5 ~ 0.6MPa				
Number of Tanks		2	2	2	2	2
Tank Capacity		10/10L	20/20L	20/10L	30/30L	30/10L
Power		AC 220V 50/60Hz				
Feeding Pressure		Diaphragm pump(0.8MPa) / Pro-pump(3.0MPa)				
Vacuum Level		~101.3kPa(g)				
Display		Touch LCD 10"				
Controller		MFC-100A				
Frame		Sheet Metal SQ Pipe				
Tank		Stainless Steel, Constant Vacuum, Demoisture				
Suction Pipe		Auto Material Supply				
Feeding pump		Standard / High filler				
Agitator		Double Helix Impeller				
Auto Switching		Constant Feeding				

(See page 15)

MFS - V D S C 2020 BH - M1S - D25A1 - TAU90S - LT400 - ISP250C



Please note that not all necessary optional specifications for configuring the material feeding system are displayed in the equipment images and option tables below. For accurate equipment production and optimal option selection, a detailed consultation with a sales representative is required.



OPTIONAL ITEM			MODEL					DESCRIPTION		COMMENTS	
1 MATERIAL TANK			[Pressurized (P)]		[Vacuumed (V)]			*05 : SUS304 5L TANK *10 : SUS304 10L TANK *20 : SUS304 20L TANK *30 : SUS304 30L TANK *40 : SUS304 40L TANK *60 : SUS304 60L TANK *Example) P20JH : Pressu. 20L TANK 1EA JACKET HEATING V2010 : Vacuum. 20L TANK 1EA Vacuum. 10L TANK 1EA		P : Pressurized type V : Vacuum type D : DUAL TANK 1K : 1-component 2K : 2-component JH : JACKET HEATER BH : BAND HEATER PH : PLATE HEATER ◎ : STANDARD	
			1K	2K		1K	2K				
			05	0505		05	0505				
			10	1010		10	1010				
				1005			1005				
			20	2020		20	2020				
				2010			2010				
			30	3030		30	3030				
				3010			3010				
						40	4040				
							4020				
							4010				
						60	6060				
							6040				
							6030				
							6020				
2 INLET/ TRANSFER PORT	PIPE		◎ P25A					HOSE 25-32		5,000cP	
			P32A					HOSE 32-39.5		50,000cP	
	DIAPHRAGM		D20A1					BSPT 3/4, 1:1		20,000cP	
			◎ D25A1					BSPT 1, 1:1		20,000cP	
	HOPPER		◎ H125A					5", ID Ø133		For 5L - 10L TANK	
			H150A					6", ID Ø160		For 10L - 60L TANK	
			H200A					8", ID Ø210		For 10L - 60L TANK	
	MANUAL		◎ M1S					25A(Ø34) 1"		For 5L TANK	
◎ M1.5S					32A(Ø43) 1", 1/4"		For 10L - 60L TANK				
M2.5S					50A(Ø60) 2"		For 20L - 60L TANK				
3 OUTLET/ FEEDING PORT	PT OUTPUT		T02					BSPT 1/4 TAP		For 5L TANK	
			◎ T03					BSPT 3/8 TAP		For 5L - 20L TANK	
			T04					BSPT 1/2 TAP		For 10L - 60L TANK	
			T05					BSPT 3/4 TAP		For 20L - 60L TANK	
	DIAPHRAGM		[5,000cP]		[20,000cP]			*20A1 : BSPT 3/4, 1:1 *20A3 : BSPT 3/4, 3:1 *25A1 : BSPT 1, 1:1 *25A3 : BSPT 1, 3:1		◎ : STANDARD	
			D20A1		D20A3						
			D20A1C		D20A3C						
			◎ D25A1		D25A3						
			D25A1HFC								
	PROPUMP		TANK 5L-20L		TANK 10L-60L		TANK 20L-60L		*1500 : PCP-1500 *5000 : PCP-5000 *15K : PCP-15000 *D : PUMP 2EA		◎ : STANDARD Option : HEATING (H)
			P1500		P5000		P15K				
			P1500D		◎ P5000D		P15KD				
			P50001500		P15K5000						
					P15K1500						
4 AGITATOR / CIRCULATION	AGITATOR		◎ TAU40S					40W		For 5L TANK	
			◎ TAU90S					90W		For 10L - 20L TANK	
			◎ TAU150S					150W		For 30L - 60L TANK	
	CIRCULATION (INTERVAL)		◎ CIR20A					3/4, 1:1		For 5L - 10L TANK	
			◎ CIR25A					1, 1:1		For 20L - 60L TANK	
5 LEVEL SENSOR			LEVEL TRANSMITTER (KEYENCE)		CAPACITANCE SENSOR (KACON)		FLOAT SENSOR		PIPE CAPACITANCE SENSOR (KACON)		*LEVEL TRANSMITTER : BSPP 3/4, Capa.(200~700L) *CAPACITANCE SENSOR : M12 X (1~4EA) *FLOAT SENSOR : BSPP 3/4, Capa.(200~700L) *PIPE CAPACITANCE SENSOR : BSPP 3/4, Capa.(200~500L)
			MODEL	TANK	MODEL	TANK	MODEL	TANK	MODEL	TANK	
			LT200	5L	CS01	5L-60L	FS200	5L	PCS200	5L	
			LT300	10L	CS02		FS300	10L	PCS300	10L	
			LT400	20L	CS03		FS400	20L	PCS400	20L	
			LT500	30L	CS04		FS500	30L	PCS500	30L	
			LT600	40L				FS600	40L		
			LT700	60L			FS700	60L			
6 VACUUM PUMP	OIL TYPE		◎ VRI8					160L/min		For 5L - 60L TANK PUMP Q'TY : X1,X2,X4	
	DRY TYPE	IWATA	ISP250C					150L/min			
		EVP VACUUM	EVP200PB					200L/min			

The PRO CP series are an electric motor-driven, high-precision 1-component/2-component material supply system that integrates our proprietary PRO PUMP with a CAN PUMP system. It offers a diverse lineup to match the size of material containers (PAIL, HOBBOCK) used by customers. In particular, it is optimized for transferring non-flowing paste containing abrasive filler particles and materials sensitive to atmospheric pressure.

PRO-CP05
1K



PRO-CP20
1K
CE

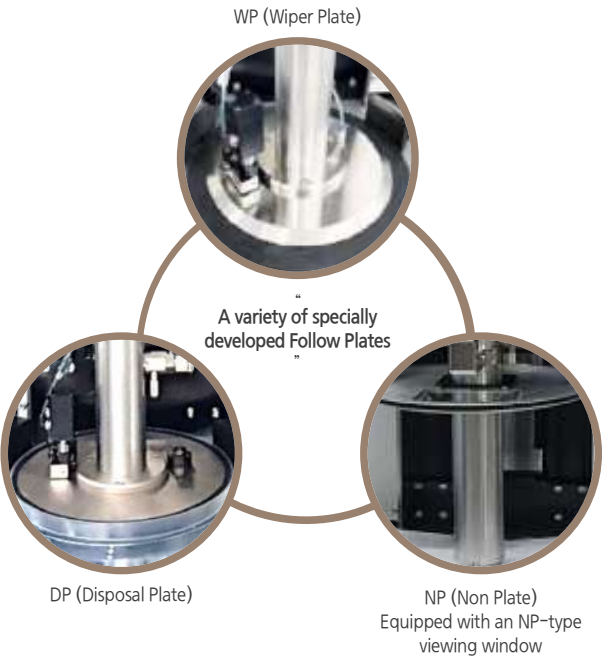


Item		Model	PRO-CP05(1K)	PRO-CP20,30(1K)
Container			5L (Inner Diameter Ø175~Ø185)	20L (Inner Diameter Ø286~Ø320)
Size (WxDxH)			640 x 450 x 1043(mm) *(Height without warning light: 326 mm)	710 x 570 x 1385(mm) *(Height without warning light: 326 mm)
Weight			≒100kg	≒150kg
Feeding Pump	Dosing Volume		1.5ml/rev	5.0ml/rev, 15.0ml/rev
	Rotor		Stainless Steel, TC	Stainless Steel, TC
	Stator		FEPM,FFKM	
	Flow Rate		Max. 90ml/min	Max.300ml/min, Max.900ml/min(60rpm)
	Feeding Pressure		Max. 5.0MPa	
	Plate Option		Wiper Plate / Oring Plate	WP(Wiper) / DP(Disposal) / NP(None)
	Material Outlet Port		BSPT 3/8"	BSPT 3/8", 1/2", 3/4", 1"
	Wetted Parts Material		Stainless Steel, AL(Nickel Plated), UHMW-PE	
Motor			AC SERVO MOTOR 150W, 60rpm(Max.150rpm)	AC SERVO MOTOR 200W, 60rpm(Max. 3000rpm)
Control	Operation		MICOM	
	Control Method		PID CONTROL	
	Mode		AUTO / MANUAL / TEST	
	HMI Display		5" Touch LCD	
Operating Air Pressure			0.4~0.5MPa	
POWER			AC220V 50/60Hz	

PRO-CPD20
2K
CE



The PRO CP Series supplies material directly from containers (PAIL, HOBBOCK) as is, ensuring stable material supply without contamination or air bubbles. It can precisely transfer high-viscosity materials even over long distances. By adopting an electric motor-driven method instead of air-driven, it delivers excellent performance in pulsation-free volumetric control. Applying our specially developed FOLLOW PLATE allows for up to 99% material usage within the container, offering outstanding economic efficiency. The AUTO AIR VENT function automatically removes air bubbles when changing material containers, maintaining high operational efficiency without the need for additional de-aeration processes.



Item		Model	PRO-CPD20(2K)
Container			20L (Inner Diameter Ø286~Ø320)
Size (WxDxH)			990 x 600 x 1385(mm) *(Height without warning light: 326mm)
Weight			≒320kg
Feeding Pump	Dosing Volume		5.0ml/rev, 15.0ml/rev
	Rotor		Stainless Steel, TC
	Stator		FEPM, FFKM
	Flow Rate		Max.300ml/min, Max.900ml/min
	Feeding Pressure		Max. 5.0MPa
	Plate Option		WP(Wiper) / DP(Disposal) / NP(None)
	Material Outlet Port		BSPT 3/8", 1/2", 3/4", 1"
	Wetted Parts Material		Stainless Steel, AL(Nickel Plated), UHMW-PE
Motor			AC SERVO MOTOR 200W, 60rpm(Max.3000rpm)
Control	Operation		MICOM
	Control Method		PID CONTROL
	Mode		AUTO / MANUAL / TEST
	HMI Display		7" Touch LCD
Operating Air Pressure			0.4~0.5MPa
Power			AC220V 50/60Hz

PRO-CP200WP



PRO-CP200NP



PRO-CP200WP/NP

The PRO-CP200 series is equipment specifically designed for 200L drums, optimized for transferring materials sensitive to shear force or pressure, as well as non-flowing paste materials containing abrasive particles or fillers.

It stably supplies medium to high-viscosity materials from various container types at a constant, pulsation-free pressure.

Equipped with two digital pressure sensors for precise control, it is designed to utilize over 99% of the material within the drum, boasting outstanding efficiency. Furthermore, it comes standard with various safety features such as level sensors, pressure sensors, and overload prevention sensors, ensuring both ease of operation and workplace safety.

Based on a smart control system, it is designed to flexibly perform various tasks such as feeding, dosing, and metering.

Item	Model	PRO-CP200WP	PRO-CP200NP
Container		200L	200L
Size (WxDxH)		1260 x 1165x 2624(mm)	1260 x 1165x 2624(mm)
Weight		370kg	400kg
Power		AC220V, 50/60Hz	
Power Consumption		Max.1.2KW	
HMI Display		7" Touch LCD	
Operating Mode		AUTO / MANUAL / TEST	
Feeding Pressure		5.0MPa	
Dosing Volume		15.0ml/rev	
Flow Rate		Max.300ml/min, Min.75.0ml/min	
Air Port		One Touch Fitting PC(Ø12)	
Material Outlet Port		BSPT 3/4", 1"	
Stator		FFKM, FEPM	
Plate Option		Wiper Plate(WP), Non Plate(NP)	

TCP Series



By directly transferring materials from various sized CAN containers, the system prevents the inflow of foreign substances and air bubbles. The application of a specially designed Follow Plate ensures no contact with air, and no material residue is left on the inner walls of the container.

Our new concept high-performance piston pump minimizes pulsation, thereby enhancing operational efficiency.

The robust and stable TWIN-POST RAM structure allows for separate motor and pump sections, making it easy for operators to use and convenient for maintenance.



〈 None-plate type 〉

** Features a viewing window for easy monitoring of remaining material in the container.

Application

- Non-flowing, high-viscosity materials
- Greases
 - 1K Epoxy
- Silicone RTV, Grease, Oil
 - Solder Paste (Cream Solder)
- Other high-viscosity adhesives

Model	TCP-100	TCP-300	TCP-500	TCP-1800
Item				
Capacity	1L	3L	5L	18L
Pumping Ratio*	10:1 (20:1)			20 :1 (10:1)
Output Pressure	Max. 7.0MPa(14.0MPa)			Max. 14.0MPa(7.0MPa)
Volume/1cycle	≒ 20cc			
Viscosity	1,000~600,000 cP			
Air Working Pressure	Min 0.2MPa ~ Max 0.7MPa			
Air Consumption	27L/min(ANR), 0.4MPa, 60cycles/min			43L/min(ANR), 0.4MPa, 60cycles/min
Wetted Part**	Body : AL / Seal : UHMW-PE, FKM / Rod, Shovel : Stainless Steel303F / Follow plate : TPE or NBR			
Size (WxDxH)	384 x 340 x 550~804 (mm)			500 x 450 x 792 (mm)
Weight	18.0kg			38.5kg
Output Port	BSPT 1/4" [Option : BSPT 3/8"]			
Air Input Port	Ø6.0(mm)			
Pail Can Size	I.D : 104 ~ 107mm H : 135 ~ 145mm	I.D : 160 ~ 165mm H : 190 ~ 210mm	I.D : 185 ~ 190mm H : 220 ~ 230mm	I.D : 280 ~ 293mm H : 340 ~ 365mm
Follower Plate	WP(Wiper Plate) / DP(Disposal Plate) / NP(Non Plate)			

* : Available for special order with the pressure ratio specified in the parentheses.
** : The material can be changed to suit your specific application. (Special order)

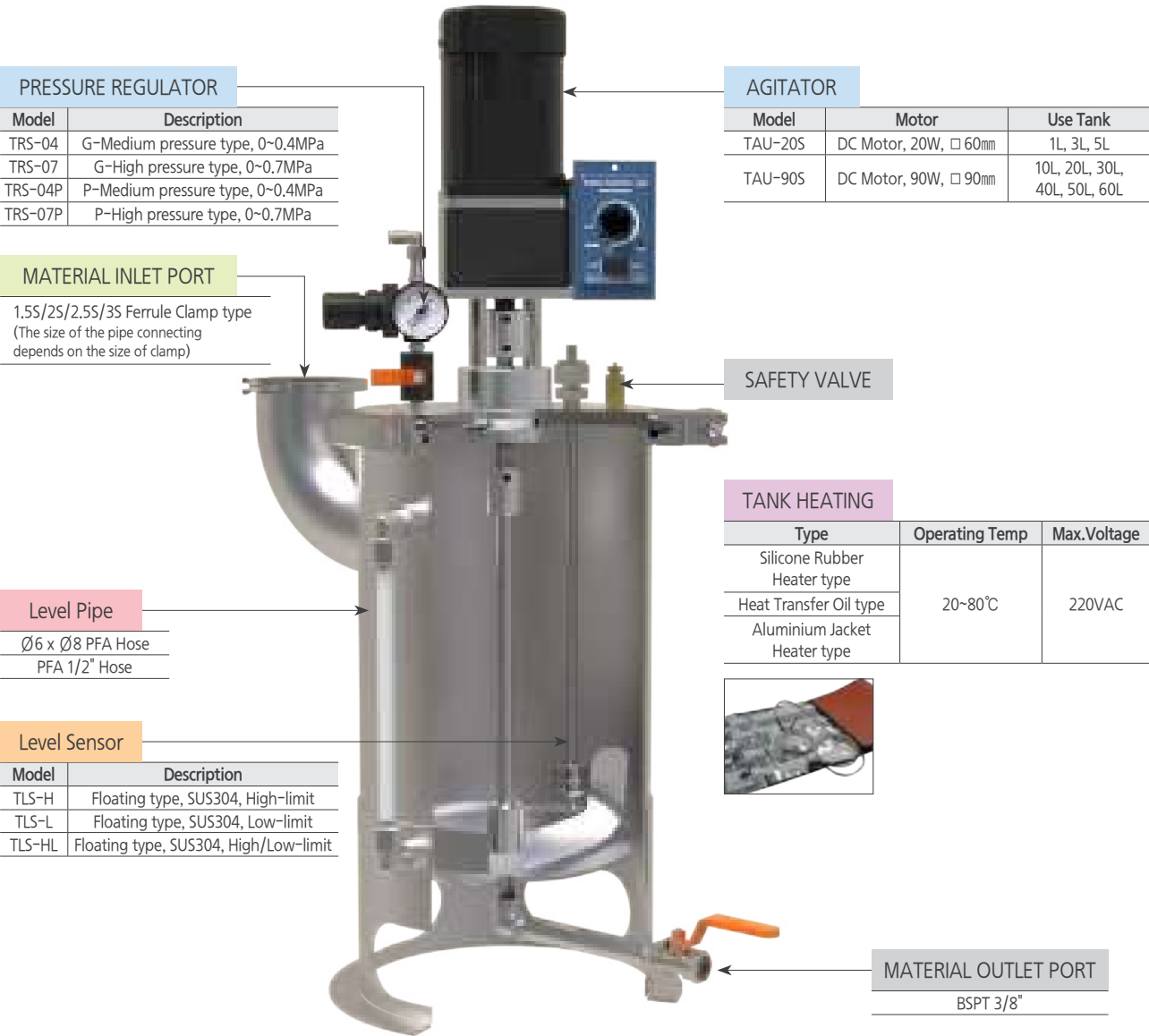
Tanks are material supply containers that offer excellent operational efficiency by storing and utilizing large quantities of materials. Taeha's Tank (SSR/SSF) series features standardized various optional specifications, such as electropolishing and Teflon coating, according to material characteristics and customer requirements, enabling flexible responses to diverse industries and processes. Furthermore, custom production with safety-certified types is available, considering workplace safety. The system also includes standardized configurations, such as various capacity selections from 1 to 20 liters, direct material input, or internal container replacement methods, allowing for prompt delivery

By integrating TAEHA's dispensing know-how, accumulated over 30 years, with highly reliable pressure tanks, we are committed to providing our customers with the most suitable dispensing applications.

- Tank Specification

Tank Material	Stainless Steel 304
Lid Attachment Method	Ferrule Clamp
Material Inlet/Outlet	Bottom port (BSPT 3/8", Female) *Option: Top port
Surface Finish	Buff Polishing
O-ring Material	O-ring (NBR), Silicone, EPDM, Encapsulated O-ring (PTFE)
Operating Pressure	0.5 MPa

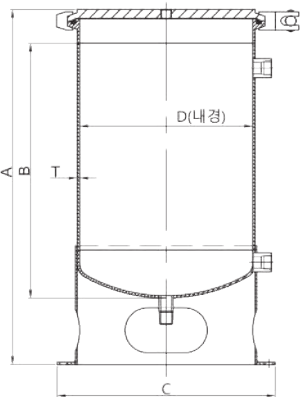
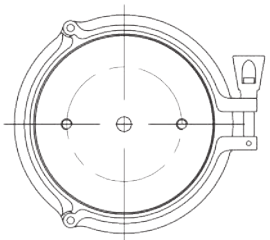
〈 TANK of OPTION 〉



Stainless Straight Round type (SSR Series)



Dimension



SSR Type

- A type that uses liquid put directly into the material.
- The wide opening makes it easy to add liquid materials and easy to clean.
- There is no liquid balance due to fluidity due to the lower plate structure.

Tank Size

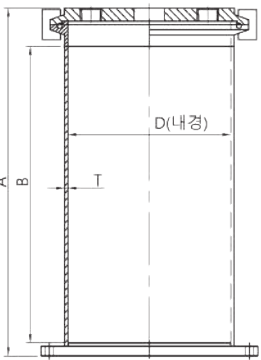
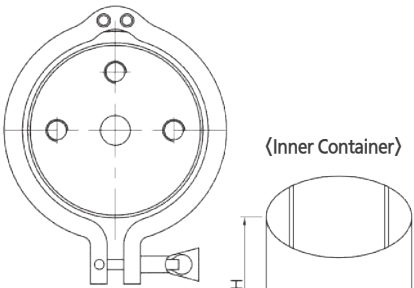
Unit(mm)

Model	A	B	C	D	E
SSR-1BP	245	153	Ø142	Ø97.6	2.0
SSR-3BP	280	174.1	Ø205	Ø159.6	2.8
SSR-5BP	353.5	249.1	Ø205	Ø159.6	2.8
SSR-10BP	433.7	311	Ø265	Ø210.3	3.0
SSR-20BP	728.7	605	Ø265	Ø210.3	3.0

Stainless Straight Flat type (SSF Series)



Dimension



SSF Type

- The use of an internal container prevents direct contact between the material and the tank surface, minimizing contamination.
- A wide opening design allows easy insertion and removal of material containers, improving work convenience.
- The structure is compatible with acidic, anaerobic, and two-component materials that may react with metal surfaces.

Inner Container

- Material: Stainless Steel 304 (Standard), PE / Teflon (Optional)
- **Inner surface treatment: Teflon Coating (Optional)

Tank Size

Unit(mm)

Model	A	B	D	T	Inner Container(ØDxH)
SSF-1TP	209	178	Ø97.6	2.0	Ø101.6x215
SSF-3TP	240.5	199	Ø159.6	2.8	Ø155x210
SSF-5TP	294.52	250	Ø159.6	2.8	Ø155x320
SSF-10TP	394.3	341	Ø210.7	2.8	Ø205x365
SSF-20TP	689.3	648	Ø210.7	2.8	Ø205x660

The MFD series is a user-friendly and stable material feeding system that allows the direct use of commercially available material containers. Additionally, by incorporating a load cell internally, it can measure material weight in real-time and accurately detect remaining quantities.



MFD-IC03TP

By applying an internal load cell, it can precisely measure only the material's weight, allowing for accurate detection of remaining quantities.

Its wetted parts use PEEK material with excellent chemical resistance, making it stably applicable even to anaerobic materials.

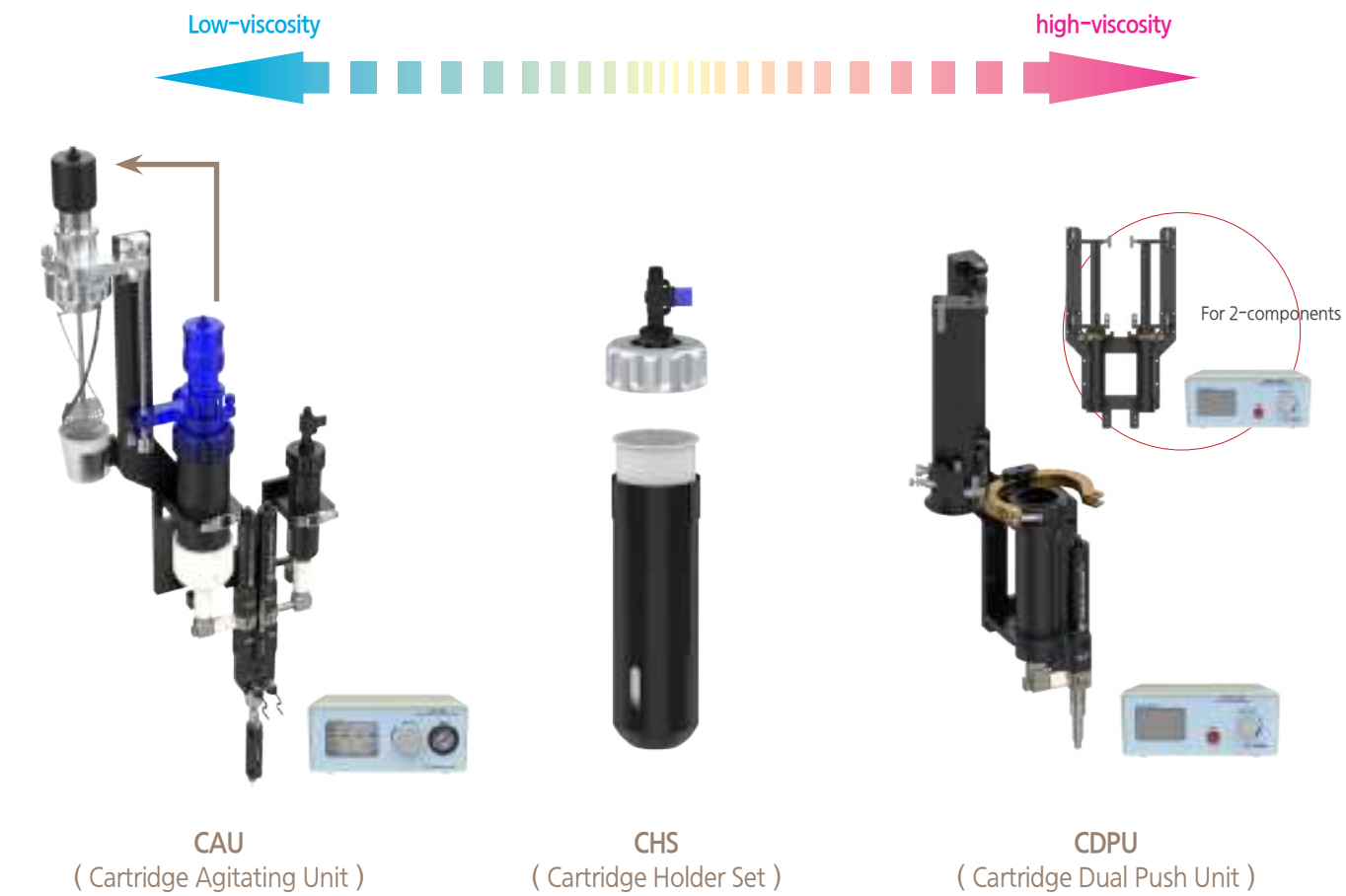
The VENT valve enables easy air bubble removal, and the application of a check valve and lip seal structure prevents material dripping when changing containers, providing a clean and safe working environment.

With a safety valve to prevent internal overpressure, an eyebolt fastening method, and a customizable container support configuration, it can flexibly accommodate various material containers, ensuring excellent operational safety and compatibility.



Compatible with various material containers

Model	MFD-IC03TP
Size	Ø164 x 425(mm)
Weight	≒9.1kg
Container	3.0L (I.D Ø144)
Operating Air Pressure	Max.0.7MPa
Power	AC100~220V 60Hz
Wetted Parts Material	PEEK
Material Outlet Port	PT 3/8"
Weighing Scale	Min. 3g ~ Max. 3,000g (Error of ±1g)



The Cartridge Agitating Unit is a device that stably mixes low-viscosity materials contained in cartridges to achieve high-quality dispensing. With a dedicated controller configuration, precise agitation is possible, realizing a dispensing process with consistent quality.

Additionally, by applying a swivel structure, it prevents material dripping during material replacement and allows for easy mounting without tangled piping and wiring, thereby enhancing operational efficiency and convenience.

A cartridge holder is used to protect cartridges containing materials. Both cartridges and cartridge holders are available in a lineup by capacity. The cartridge holder is designed to withstand pressures of up to 0.7 MPa.

The CDPU series is a cartridge material feeding system designed to simultaneously deliver air pressure and the physical force of a cylinder, ensuring the stable supply of low-flow, high-viscosity materials. By incorporating a swivel structure, the cylinder can be temporarily positioned during material replacement, enhancing operational convenience.

Furthermore, a modular configuration with various capacity cartridge lineups and dispensers enables the construction of a compact and efficient system.

Available container

Cartridge : 170cc, 340cc, 650cc, 1000cc



Sealant Cartridge : 330cc (1/10gal)





Item	Model	PCP-005	PCP-015	PCP-050	PCP-150	PCP-150A	PCP-500	PCP-1000
Size (WxHxD)(mm)		27x240x27			29x290x29			29x310x29
Weight		400g			650g			700g
Operating Air Pressure		0 ~ 0.6MPa						
Feeding Pressure (Max.)		3.0MPa	2.0MPa			2.0MPa	1.5MPa	1.8MPa
Viscosity		1~1,000,000 cP						
Flow Rate(/Rev)		≒0.0049mL	≒0.017mL	≒0.049mL	≒0.17mL	≒0.17mL	≒0.45mL	≒1.1mL
Motor Speed		1~120rpm						
Type of Motor		DC24V, 11W			DC24V, 20W			
Dosing Accuracy		±1%						
Stator		FFKM, EPDM, FEPM, TPE, UHMW-PE						
Material Inlet Port		INLET ADAPTER or BSPT1/4"						
Material Outlet Port		LUER LOCK or BSPT1/8"						LUER LOCK or BSPT1/4"
Controller		PROCON-100						
Feature of A type						・ Same dimension as PCP-150 ・ Excellent accuracy of low viscosity materials		



Item	Model	PCP-1500A	PCP-1500	PCP-2000A	PCP-2000	PCP-5000	PCP-10000	PCP-15000	PCP-50000
Size (WxHxD)(mm)		29x322x29	45X410X45		60x550X60		60x595x60	70x730x70	
Weight		700g	2.5kg		5.0kg		6.0kg	8.0kg	8.0kg
Operating Air Pressure		0 ~ 0.6MPa							
Feeding Pressure (Max.)		2.0MPa	2.0MPa	2.2MPa	2.5MPa	2.0MPa			
Viscosity		1~1,000,000 cP							
Flow Rate(/Rev)		≒1.5mL	≒1.8mL	≒2.3mL	≒2.2mL	≒5.5mL	≒10.1mL	≒15.5mL	≒50.0mL
Motor Speed		1~120rpm	1~150rpm						
Type of Motor		DC24V, 20W	AC220V, 150W	AC220V, 150W	AC220V, 200W	AC220V, 200W		AC220V, 400W	
Dosing Accuracy		±1%							
Stator		FFKM, EPDM, FEPM, TPE, UHMW-PE							
Material Inlet Port		INLET ADAPTER or BSPT 1/4"	INLET ADAPTER or BSPT 3/8", 1/2", 3/4"		BSPT 3/8", 1/2", 3/4"			BSPT 1/2", 3/4", 1, 1 1/4", 1 1/2", 2"	
Material Outlet Port		LUER LOCK or BSPT 1/4"	LUER LOCK or BSPT 1/4", 3/8"		BSPT 3/8", 1/2", 3/4"			BSPT 1/2", 3/4", 1"	
Controller		PROCON-100	PROCON-1000						
Feature of A type		・ Same dimension as PCP-1000 ・ Dosing volume : 1.5mL/rev		・ Same dimension as PCP-1500 ・ Dosing volume : 2.3mL/rev					

The PRO-PUMP PCP series is a compact and innovative 1-component dispensing device that achieves excellent precision even when dispensing challenging materials.

Due to the hermetically sealed space seamlessly formed between the Rotor and Stator, it can maintain a higher vacuum than general pumps, resulting in superior material suction capability.

It maintains a very constant flow rate without pulsation.

The volume of material transferred is independent of the dispensing pressure and increases or decreases in proportion to the rotational speed of the Rotor. This allows for precise transfer and dispensing of even difficult-to-handle materials as needed, simply by adjusting the number of stages.

No separate valve is required for material transfer, and the material transfer direction can be reversed.

This is an innovative dispensing device that can easily dispense materials containing high fillers, thanks to TAEHA's proprietary rubber molding technology. (High Filler Stator, High Filler Rotor)



PCP BARREL MODULE SYSTEM
BARREL (30, 50, 70, 100, 200, 300cc)



Material feeding : Barrel	Capacity(cc)
	30
	50
	70
	100
	200
	300

We provide the best dispensing system by combining the PCP Series with the most suitable

material feeding container/
device/equipment for the material and dosing conditions.

PCP CARTRIDGE MODULE SYSTEM
CARTRIDGE (170, 340, 650, 1000cc, Sealant 330cc)



Material feeding: Cartridge	Capacity (cc/Oz)
	170 / 6
	340 / 12
	650 / 20
	1000 / 32
	Sealant Cartridge(330cc)

〈 1K System



Configuration 〉



PCP CAN PUMP SYSTEM
CAN PUMP(1, 3, 5, 18kg Can)



Material Feeding : Can Pump	Capacity (kg)
	1.0
	3.0
	5.0
	18.0

※ Refer to the page of 16,19 for details



PCP TANK SYSTEM
TANK (1, 3, 5, 10, 20L)



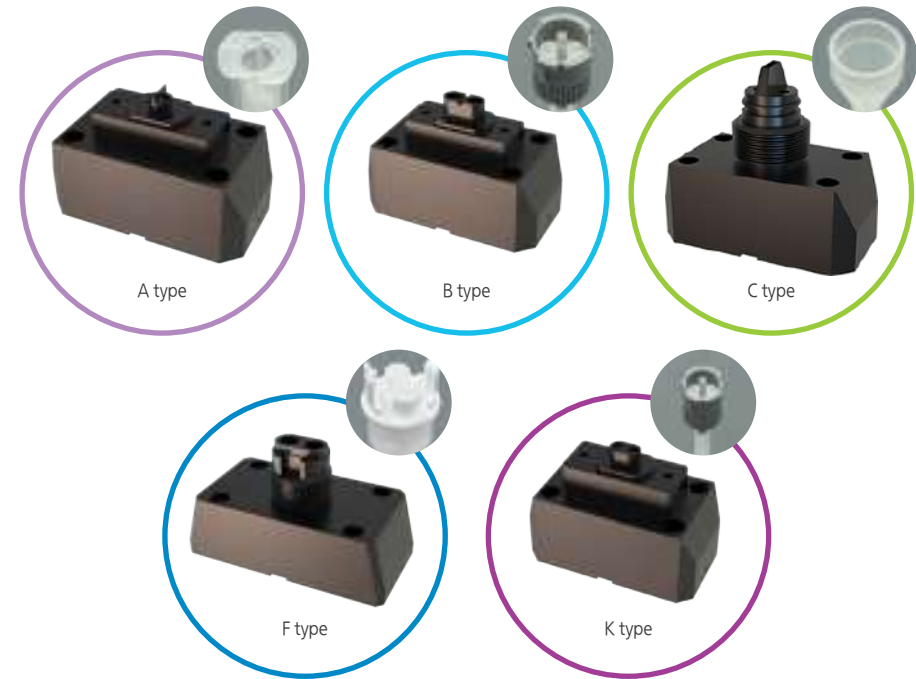
Material Feeding : Pressure Tank	Capacity (L)
	1.0
	3.0
	5.0
	10.0
	20.0

※ Refer to the page of 20-21 for details



Item	Model	PDP-005	PDP-015	PDP-050	PDP-150	PDP-150A	PDP-500
Size (WxHxD)(mm)		60x260x30			65x310x32		
Weight		1.12kg			1.66kg		
Operating Air Pressure		0 ~ 0.6MPa					
Feeding Pressure (Max.)		2.0MPa				2.0MPa	1.5MPa
Viscosity		10~300,000cP					
Flow Rate(/Rev)		≒0.01mL	≒0.03mL	≒0.10mL	≒0.30mL	≒0.30mL	≒1.0mL
Motor Speed		1~120rpm					
Type of Motor		DC24V, 11W			DC24V, 20W		
Dosing Accuracy		± 2%					
Stator		FFKM, EPDM, FEPM, TPE					
Material Inlet Port		INLET ADAPTER or BSPT1/4"					
Material Outlet Port		Mix Adapter A/B/C/K type			Mix Adapter A/B/C/F type		
Controller		PDC-100					
Feature of A type						・ Same dimension as PDP-150 ・ Excellent accuracy of low viscosity materials	

Mix adapter The mix adapter, which is installed when applying a static mixer to the PRO-DUO PUMP, has different models depending on the type of static mixer and mix ratio of 2K materials.



Item	Model	PDP-1000	PDP-1500A	PDP-1500	PDP-2000A	PDP-2000	PDP-5000	PDP-10000
Size (WxHxD)(mm)		65x335x32	65x347x32	100x460x45		135x605x60		135x640x60
Weight		1.8kg		5.0kg		12.5kg		14kg
Operating Air Pressure		0 ~ 0.6MPa						
Feeding Pressure (Max.)		1.8MPa	2.0MPa		2.2MPa	2.5MPa	2.0MPa	
Viscosity		10~300,000cP						
Flow Rate(/Rev)		≒2.2mL	≒3.0mL	≒3.6mL	≒4.6mL	≒4.4mL	≒11.0mL	≒20.2mL
Motor Speed		1~120rpm		1~150rpm				
Type of Motor		DC24V, 20W		AC220V, 150W		AC220V, 200W		
Dosing Accuracy		±2%						
Stator		FFKM, EPDM, FEPM, TPE						
Material Inlet Port		INLET ADAPTER or BSPT1/4"		INLET ADAPTER or BSPT 3/8", 1/2", 3/4"		BSPT 3/8", 1/2", 3/4"		
Material Outlet Port		Mix Adapter A/B/C/F type	Mix Adapter C/F type					
Controller		PDC-100		PDC-1000				
Feature of A type			· Same dimension as PDP-1000 · Dosing volume : 3.0mL/rev		· Same dimension as PDP-1500 · Dosing volume : 4.6mL/rev			

The PRO-DUO PUMP series provides excellent precision for dispensing difficult-to-dispense 2-component materials. It is a volumetric pump that allows users to directly control the desired mixing ratio of the two materials.

Its special eccentric screw structure enables stable and long-term dispensing by mixing 2-component materials. Compared to conventional volumetric pumps, it boasts high efficiency and reproducibility, with superior quantitative accuracy and repetitive precision. Dispensing volume can be adjusted easily and quickly through the control of the ROTOR's rotation amount and speed. It can be suitably applied in various situations, including differences in viscosity or mixing ratios between the two materials. By using a method of replacing the consumable mixer instead of cleaning the pump itself, maintenance is easy, enabling economical dispensing.



The PDPX series is a pump designed for situations where there is a significant viscosity difference or mixing ratio between two materials, and it is manufactured by combining pumps of different capacities. Various X-combinations of the pump are possible, and we recommend selecting the optimal configuration after consulting with a sales representative.



PDP BARREL MODULE SYSTEM
BARREL (30, 50, 70, 100, 200, 300cc)



Material feeding : Barrel	Capacity (cc)
	30
	50
	70
	100
	200
	300

We provide the best dispensing system by combining the PDP Series with the most suitable

material feeding container/
device/equipment for the
2K material and dosing
conditions.

PDP CARTRIDGE MODULE SYSTEM
CARTRIDGE (170, 340, 650, 1000cc, Sealant 330cc)



Material feeding: Cartridge	Capacity (cc/Oz)
	170 / 6
	340 / 12
	650 / 20
	1000 / 32
	Sealant Cartridge(330cc)

〈 2K System



Configuration 〉



PDP CAN PUMP SYSTEM
DUAL CAN PUMP(1, 3, 5, 18kg Can)



PRO-CPD20(20L Dual Can Pump)

Material Feeding : Can Pump	Capacity (kg)
	1.0
	3.0
	5.0
	18.0

※ Refer to the page of 17, 19 for details



PDP TANK SYSTEM
DUAL TANK (5, 10, 20, 30, 40, 60L)



MFE (2K Manual type)

MFS (2K Automatic type)

Material Feeding : Pressure Tank	Capacity (L)
	5
	10
	20
	30
	40
	60

※ Refer to the page of 10-15 for details

The PRO-PUMP CONTROLLER is a dedicated control device applicable to various automated equipment, such as desktop robots, multi-joint robots, and inline systems, enabling precise control over material dispensing methods and volumes. It allows for optimized settings tailored to specific processes, contributing to accurate dispensing quality and enhanced production efficiency.

PRO PUMP CONTROLLER

1K PROCON Series



Item	Model	PROCON-100	PROCON -1000
Size(WxDxH)		236 x 204 x 92 (mm)	240 x 213 x 109 (mm)
Weight		1.8kg	3.2kg
Power		AC 220V 50/60Hz(1Phase)	
Power Consumption		Max. 160W	
Display		2.8inch TFT LCD	5.0inch TFT LCD
Operating Method		Touch panel, Button, Regulator	
Operating Mode		Time / Steady / Metering	Time / Steady
Memory		15CH	15CH
Operating Air Pressure		0.5MPa	
Air inlet Port		One Touch Fitting PC(Ø6, Max. 0.7MPa)	
Air outlet Port		One touch Fitting PC (Ø6, Max.0.7MPa)	
Flow sensor & External control		Applicable	
Input Signal		Contact Input or NPN Open Collector	
End Signal		NPN Open Collector	
Temperature & Humidity		Below 0 ~ 40℃ / 80[%]RH (A place where no steam is generated)	
STD Component		Motor Cable, I/O cable, Power cable, Terminal block	
Drawing (Front, Side)			

- Features dedicated PRO-PUMP software, enabling precise and diverse operations.
- Incorporates a color touchscreen for excellent data recognition and easy operation.
- Offers memory (15ch) functionality to store operation conditions, enhancing compatibility with external equipment such as PLC.
- Enables continuous performance of various tasks through external interface functionality.
- Maximizes user convenience with an intuitive interface for operation settings and data modifications

PRO-DUO PUMP CONTROLLER

2K PDC Series



Item	Model	PDC-100	PDC -1000
Size(WxDxH)		240 x 213 x 109 (mm)	240 x 213 x 109 (mm)
Weight		3.6kg	3.6kg
Power		AC 220V 50/60Hz(1Phase)	
Power Consumption		Max. 160W	
Display		5.0inch TFT LCD	5.0inch TFT LCD
Operating Method		Touch panel, Button, Regulator	
Operating Mode		Time / Steady /Purge / Ratio	Time / Steady /Purge / Ratio
Memory		15CH	15CH
Operating Air Pressure		0.5MPa	
Air inlet Port		One Touch Fitting PC(Ø6, Max. 0.7MPa)	
Air outlet Port		One Touch Fitting PC(Ø6, Max 0.7MPa)	
Flow sensor & External control		Applicable	
Input Signal		Contact Input or NPN Open Collector	
End Signal		NPN Open Collector	
Temperature & Humidity		Below 0 ~ 40℃ / 80[%]RH (A place where no steam is generated)	
STD Component		Motor Cable, I/O cable, Power cable, Terminal block	
Drawing (Front, Side)			

PRO EXTERNAL CONTROLLER PEC Series

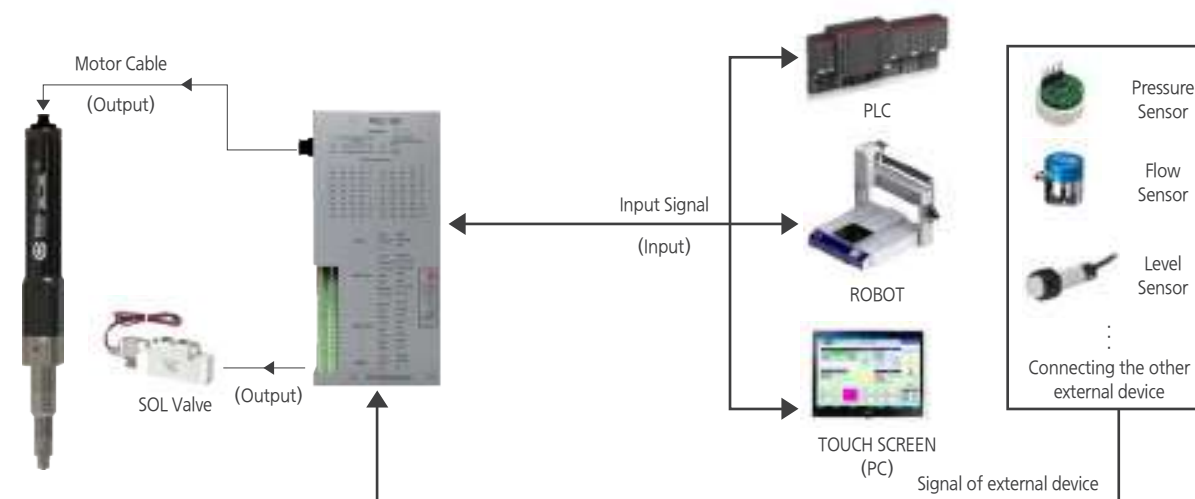


- The PEC series controller is equipped with a communication control function (MODBUS), allowing for dedicated parameter setting and monitoring from a higher-level controller.
- Its high-speed response to external Shot signals enables precise dispensing and control.
- With variable speed adjustment and real-time channel changing capabilities during product operation, it can flexibly respond to various dispensing conditions and environments.
- Its excellent application expandability is achieved through interoperability with various sensors such as pressure sensors, residual sensors, and flow sensors.
- It offers various operating modes, including Time mode, Steady mode, and Metering mode, allowing for flexible setting of dispensing conditions.



Item	Model	PEC-100	PDEC-100
Size (WxDxH)		216x43x100(mm)	
Weight		552g	
Power		DC 24V	
SMPS Power		Max. 3A	Max. 5A
Power Consumption		AC220V, 50/60Hz	
Operating Mode		TIME / STEADY / METRING	TIME / STEADY / MIX RATIO
Control		Parent PLC Communication(RS232C) or HMI	
Communication Method		MODBUS(ASCII) - MODBUS LRC	
PRO-PUMP Model		PCP-005 / PCP-015 / PCP-050 PCP-150 / PCP-500 / PCP-1000	PDP-005 / PDP-015 / PDP-050 PDP-150 / PDP-500 / PDP-1000

System Configuration



INNOVATIVE PRECISION
DISPENSING TECHNOLOGY



Please note that a detailed consultation with our technical representative is required for accurate product specification selection.

→ Cable



No.	Product Name	Description	Remark
1	Motor Cable	PRO-PUMP to Controller	STD Length: 2m
2	I/O Cable	Controller to External device	STD Length: 2m
3	Pressure Sensor Cable	Controller to Pressure sensor of PRO-PUMP	STD Length: 2m
4	Foot Switch	Connecting to the controller and generating a signal	STD Length: 2m

**Cable length depends on customer's need

→ Adapter



No.	Product Name	Description	Remark
1	Luer Adapter(STD)	Mounting general/standard type of needle	Stainless Steel303
2	Luer Adapter(NUT)	Mounting general/standard/shower/twin type of needle	Stainless Steel303
3	No-drip Needle Adapter (STD)	Minimizing material formation at the tip (Mounting general/standard)	EPDM/FLUORO
4	No-drip Needle Adapter (NUT)	Minimizing material formation at the tip (Mounting general/standard/shower/twin type of needle)	EPDM/FLUORO
5	Inlet Adapter (Barrel type)	Used to connect barrel to pump	AL(BK Anodizing)
6	Inlet Adapter (Cartridge type)	Used to connect cartridge to pump	AL(Electroless Nickel Plating)
7	Inlet Adapter(BSPT1/8)	Used to connect tank to pump, the pump and Hose of BSPT 1/8 are connected	AL(BK Anodizing)
8	Inlet Adapter(BSPT3/8)	Used to connect tank to pump, the pump and Hose of BSPT 3/8 are connected	AL(Electroless Nickel Plating)
9	Inlet Adapter (Sealant Cartridge)	Used to connect sealant cartridge to pump	AL(Electroless Nickel Plating)

→ Collar



No.	Product Name	Description	Remark
1	Nut Collar A (round)	Used when the PN needle needs to be stably fastened	AL(Electroless Nickel Plating)
2	Nut Collar B (oval)	Used when the MN needle needs to be stably fastened	AL(Electroless Nickel Plating)

→ Pressure Sensor



No.	Product Name	Description	Remark
1	Pressure Sensor	Detect the pressure of the material at the dosing part by installing it in the PDP	0.5~3VDC, PF1/4

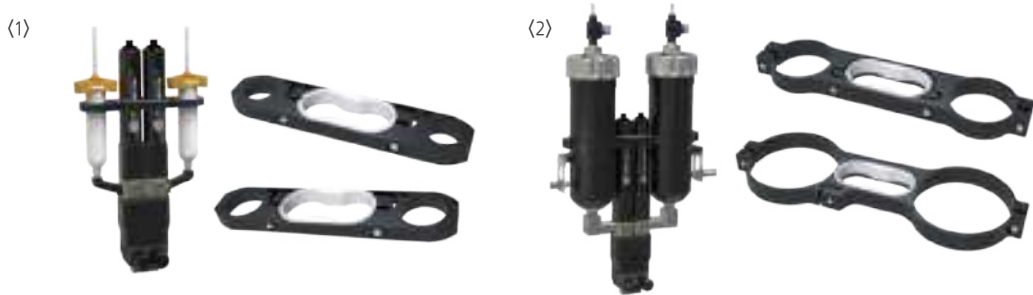
PRO-PUMP enables customized applications optimized for work sites through a variety of accessory options. In addition to those listed below, various accessory parts are available. For more details, please contact your sales representative.

→ Barrel/Cartridge Clamp for 1K PRO-PUMP



No.	Product Name	Description	Remark
1	1K Barrel Clamp	Clamp that serves to hold a barrel in the 1K pump (Different lineups depending on barrel capacity and PCP model)	AL(BK Anodizing)
2	1K Cartridge Clamp	Clamp that serves to hold a cartridge in the 1K pump (Different lineups depending on cartridge capacity and PCP model)	AL(BK Anodizing)

→ Barrel/Cartridge Clamp for 2K PRO-DUO PUMP



No.	Product Name	Description	Remark
1	2K Barrel Clamp	Clamp that serves to hold a barrel in the 2K pump (Different lineups depending on barrel capacity and PDP model)	AL(BK Anodizing)
2	2K Cartridge Clamp	Clamp that serves to hold a cartridge in the 2K pump (Different lineups depending on cartridge capacity and PDP model)	AL(BK Anodizing)

→ Mixer Clip & Mixer Cap for 2K PRO-DUO PUMP



No.	Product Name	Description	Remark
1	Mixer Clip (A type)	Used to installing the type of A mixer to the PDP	SUS
2	Mixer Clip (B type)	Used to installing the type of B mixer to the PDP	SUS
3	Mixer Clip (K type)	Used to installing the type of K mixer to the PDP	SUS
4	Mixer Cap(C-9.6)	Used to installing the type of C-9.6(O.D 9.6) mixer to the PDP	AL
5	Mixer Cap(C-13.5)	Used to installing the type of C-9.6(O.D 13.5mm) mixer to the PDP	AL
6	Mixer Cap(C-15.6)	Used to installing the type of C-9.6(O.D 15.6mm) mixer to the PDP	AL
7	Mixer Cap(C-18.8)	Used to installing the type of C-9.6(O.D 18.8mm) mixer to the PDP	AL
8	Mixer Cap(F type)	Used to installing the type of F mixer to the PDP	AL

The ADV series, when applied to two-component PDP pumps, demonstrates excellent effectiveness in achieving clean material cut-off and preventing dripping during dispensing. A diverse range of ADV types (total of 7) is available, depending on material type, dispensing volume, and dispensing conditions. Furthermore, when combined with a dedicated bracket for each valve, it can be integrated as a unit.

Item	Type	ADV-1	ADV-2	ADV-3																								
Appearance																												
Features		- Applicable to a wide range of viscosity - Multipurpose - Reasonable price	- Applicable to low-to-middle of viscosity - Ideal for quick-drying material and MMA	- Applicable to low-to-middle of viscosity - Useful for dispensing of large volume																								
Specification		<table><tr><th>Item</th><th>Spec.</th></tr><tr><td>Inlet Port</td><td>Luer Lock</td></tr><tr><td>Outlet Port</td><td>Metal needle Plastic hub needle</td></tr><tr><td>Type of Valve</td><td>Rotary type</td></tr></table>	Item	Spec.	Inlet Port	Luer Lock	Outlet Port	Metal needle Plastic hub needle	Type of Valve	Rotary type	<table><tr><th>Item</th><th>Spec.</th></tr><tr><td>Inlet Port</td><td>Luer Slip</td></tr><tr><td>Outlet Port</td><td>Metal needle Plastic hub needle</td></tr><tr><td>Type of Valve</td><td>Poppet type</td></tr></table>	Item	Spec.	Inlet Port	Luer Slip	Outlet Port	Metal needle Plastic hub needle	Type of Valve	Poppet type	<table><tr><th>Item</th><th>Spec.</th></tr><tr><td>Inlet Port</td><td>Luer Slip</td></tr><tr><td>Outlet Port</td><td>Metal needle Plastic hub needle</td></tr><tr><td>Type of Valve</td><td>Poppet type</td></tr></table>	Item	Spec.	Inlet Port	Luer Slip	Outlet Port	Metal needle Plastic hub needle	Type of Valve	Poppet type
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Type of Valve	Poppet type																											
ADV Application																												

ADV-4	ADV-5	ADV-6	ADV-7																																
																																			
- Applicable to low-to-middle of viscosity - Useful dispensing of large volume - Customize your needle setup by purchasing additional accessories.	- Applicable to low-to-middle of viscosity - Application to quick drying material (MMA) - Ideal for small volume dispensing	- Low-mid viscosity / high-volume dispensing - Apply one-touch fitting - Holder and cylinder required - Static mixer can be applied to the bottom	- Ideal for high viscosity material or material containing filler - Connect to the barrel directly - Valve holder and Air ON/OFF device required - To prevent sludge cake by removing residual pressure during small-dot dispensing																																
<table><tr><th>Item</th><th>Spec.</th></tr><tr><td>Inlet Port</td><td>1/4", 3/8" One touch fitting</td></tr><tr><td>Outlet Port</td><td>1/4", 3/8" One touch</td></tr><tr><td>Type of Valve</td><td>Rotary type</td></tr></table>	Item	Spec.	Inlet Port	1/4", 3/8" One touch fitting	Outlet Port	1/4", 3/8" One touch	Type of Valve	Rotary type	<table><tr><th>Item</th><th>Spec.</th></tr><tr><td>Inlet Port</td><td>Luer Lock</td></tr><tr><td>Outlet Port</td><td>Precision Nozzle Tip (All-in-one type)</td></tr><tr><td>Type of Valve</td><td>Poppet type</td></tr></table>	Item	Spec.	Inlet Port	Luer Lock	Outlet Port	Precision Nozzle Tip (All-in-one type)	Type of Valve	Poppet type	<table><tr><th>Item</th><th>Spec.</th></tr><tr><td>Inlet Port</td><td>Luer Slip</td></tr><tr><td>Outlet Port</td><td>Metal needle Plastic hub needle</td></tr><tr><td>Type of Valve</td><td>Needle type</td></tr></table>	Item	Spec.	Inlet Port	Luer Slip	Outlet Port	Metal needle Plastic hub needle	Type of Valve	Needle type	<table><tr><th>Item</th><th>Spec.</th></tr><tr><td>Inlet Port</td><td>Luer Slip</td></tr><tr><td>Outlet Port</td><td>Precision Nozzle</td></tr><tr><td>Type of Valve</td><td>Pinch type</td></tr></table>	Item	Spec.	Inlet Port	Luer Slip	Outlet Port	Precision Nozzle	Type of Valve	Pinch type
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Item	Model	PSP-015	PSP-050	PSP-150	PSP-500
Size (□xLxØ)		27 x 296 x 18		29 x 346 x 18	
Weight		420g		610g	
Spray angle		5~30°			
Dispensing Volume		0.1~0.6mL/min		0.3~18.0mL/min	
Viscosity		10~50,000cP			
Spray Air Pressure		0~500kPa			
Material Inlet Port		BSPT 1/8"		BSPT 1/4"	
Spray Air Inlet Port		Ø4			
Motor Speed		0~120rpm			
Dosing Accuracy		±1%			
Orifice of Dosing		Ø0.5 ~ Ø0.8			

The PRO-SPRAY PUMP is an ultra-precision volumetric spray pump that combines material supply pressure and spray air pressure to achieve dispensing from ultra-fine spray to large-volume spray. Working in conjunction with dedicated control equipment, it allows for easy adjustment and setting of various spray dispensing widths.

It features a lineup of various spray nozzle types, enabling dispensing according to the customer's desired spray pattern. (Refer to the table below).

Its special swirl structure design minimizes material loss due to overspray and surrounding contamination during spraying. The convenient adjustability of spray volume and air pressure combination enables spray dispensing suitable for various applications.

Nozzle Type	MS (Micro Spray)	WC (Wide Cone)	FF (Flat Fan)	Swirl Nozzle
Nozzle shape & Dosing Pattern				

The PSP series is an ultra-precision volumetric spray pump system that utilizes a combination of material supply pressure and spray air pressure to achieve dispensing from ultra-fine spray to large-volume spray. It has established a new standard for industrial metering pumps with its strong chemical resistance and precise dispensing capabilities.

PRO-SPRAY CONTROLLER
PSC-100A

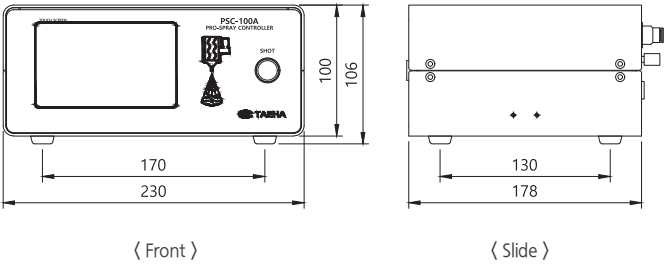
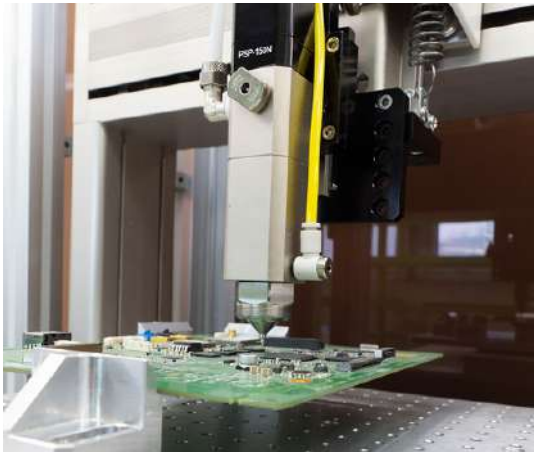


Item	Model	PSC-100A
Size (WxDxH)		230 x 106 x 178(mm)
Weight		2.5kg
Power		AC 100~240V 50/60Hz
Power Consumption		Max. 120VA
Display		5" TFT LCD (Touch type)
Operating method		Touch panel, Button S/W
Dispening mode		Time/Steady/Interval/Steady Sequence/Purge
Operating mode		Control Authority: Local, Remote
		Dispense Control: Auto, Manual
Motor Speed		Max. 120rpm
Air in Port		Main Air In : Ø6
Spray air Outlet Port		Spray Air Out : Ø4
External Connector		Input : 14P / Output : 14P
Comm. Connector		S485(Modbus RTU), RS232(For downloading) + Analog * 4
LAN		Modbus TCP/IP (RJ45)
STD Component		Motor Cable, I/O cable, Power cable, Terminal block

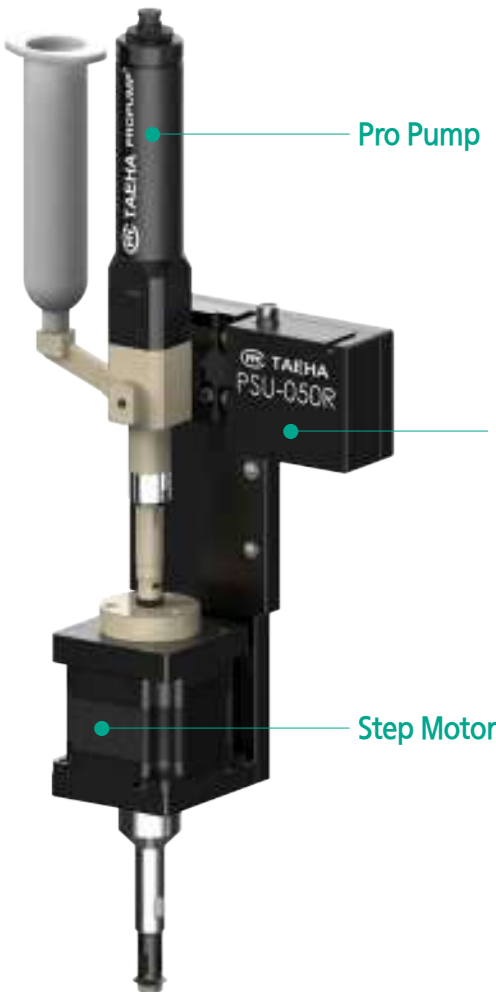
The PSA-100A controller is equipped with dedicated software for PSP pumps, enabling precise and diverse types of spray dispensing operations. It features a 5.4-inch color touchscreen, offering excellent data recognition and easy operation.

With its 30-channel setting memory function, it boasts excellent compatibility with external equipment such as PC and PLC. It can continuously perform various tasks through its external interface.

Intuitive operation settings and data modification make it easy for anyone to operate, and it offers various operating modes, including TIME mode, STEADY mode, and AUTO mode, for flexible setting of dispensing conditions.



A device that uniformly coats various fluids onto the inner surface of cylindrical products by utilizing the rotational centrifugal force of a stepper motor.



Step Motor Driver

Step Motor



Model	PROCON-100A
Size (WxDxH)	230 x 178 x 106 (mm)
Weight	1.6kg
Power	AC100~240V, 50/60Hz
Power Consumption	Max. 50W
Display	5" TFT LCD (Touch type)
Operating Method	Touch Panel, Button S/W, Knob
Operating Mode	Auto,Manual / Local,Remote
Dispensing Mode	Time/Steady/Interval/Purge/Sequence
Air Inlet Port	One touch fitting Ø6
In/Out Connector	ESC350VM-14P
Comm Connector	RJ45

Model	PIRDU-050-H/V
Power	AC220VAC, 50/60Hz
Control Mode	"PROCON-100A / STEP MOTOR DRIVE TOUCH PANNEL / BUTTON / REGULATOR"
Spin Control	STEP MOTOR Min.500~Max.1500rpm
Pro-pump	PCP-050, PCP-500
Dosing Range	Inner Dia. Min.Ø12 ~ Max.Ø60
	Dispensing depth Min.8 ~ Max.50

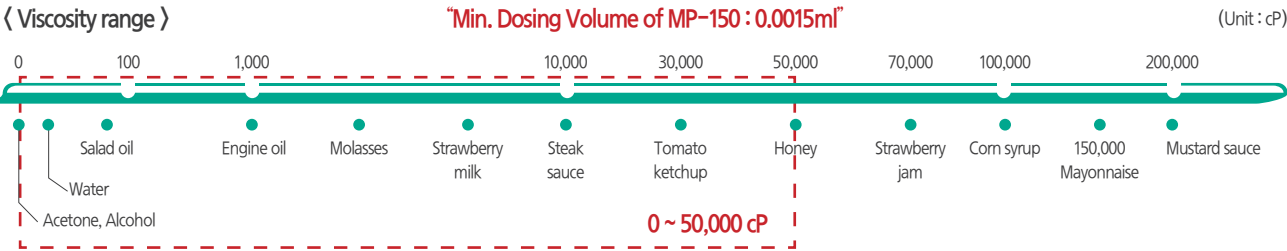
PIRDU-050-H/V

A specialized system designed to uniformly coat the interior surfaces of cylindrical products with diameters ranging from 12 mm to 60 mm using various fluids such as lubricants and adhesives.

Equipped with the highly precise PRO PUMP, it delivers accurate volumetric dispensing regardless of material viscosity.

The system supports consistent dispensing in both vertical and horizontal orientations (Axial and Radial types).

Volumetric pump engineered for durability against strong chemicals such as sulfuric acid, MEK, and acetone. Ensures uniform dispensing with $\pm 0.1\%$ accuracy in processes involving electrolytes, cleaning agents, and instant adhesives.



Wide Range of Flow Rates

Stable dispensing from ultra-low volume (MP-150) to high flow rates

Dedicated Design for Adhesive

Precisely dispenses cyanoacrylate and anaerobic adhesives

Optimized for Automation System

Compact and lightweight design for easy integration into various systems

Direct Suction/Discharge Diaphragm Valve

Prevents chemical reactions and ensures long-term durability

Highly corrosive or difficult-to-handle anaerobic materials that require precise processing, such as sulfuric acid, electrolytes, solvents (acetone, MEK), cyanoacrylates
Various industrial fields demanding excellent chemical resistance and precise dispensing, including secondary batteries, ESS (Energy Storage Systems), adhesive industries, and cleaning processes.

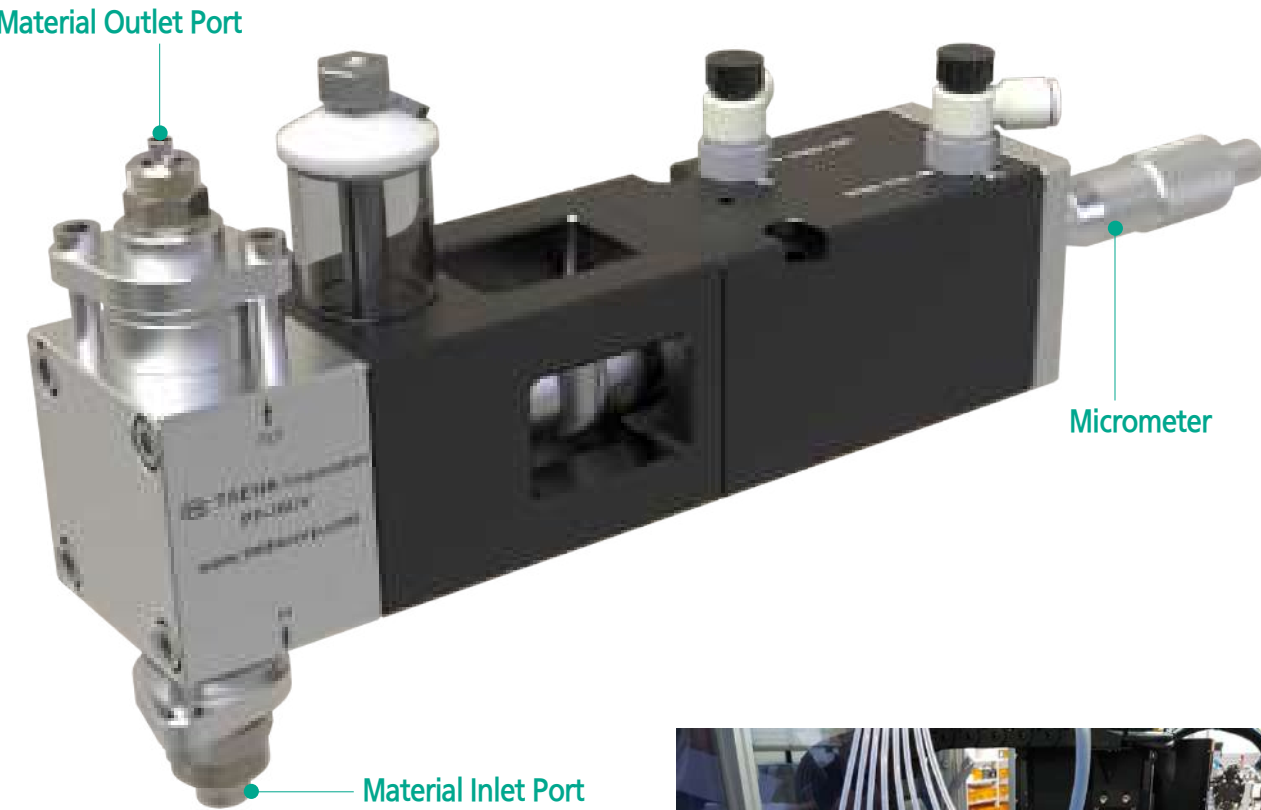
< MP Series >

Model	MP-150	MP-500	MP-2000	MP-200K	MP-600K
Weight(kg)	1.0	1.2	15.0	18.0	
Size(mm)	□ 29xL278	□ 29xL305	□ 85xL670	□ 120xL722	
Viscosity	0.1~50,000 cP				
Dosing Volume	Max(ml)	0.15	0.5	2.0	200.0
	Min(ml)	0.0015	0.005	0.02	2.0
Stroke(mm)	15.0	20.0	80.0		
Lead(mm/rev)	7.5	10.0	40.0		
Speed(Max.) (mm/sec)	15.0	20.0	80.0	100.0	
Accuracy	$\pm 0.1\%$				

Model	MPCON-100
Size(WxDxH)	240X120x210 (mm)
Weight	3.2kg
Power	AC 100~240V 50/60Hz(1Phase),DC24V
Power Consumption	Max. 50W
Display	5.0inch TFT LCD
Operating Mode	Time/Steady/Dosing mode
Control	I/O Control or Ethernet/RS232C
Communication	"Ethernet - Mopbus_TCP RS232C(RS485) - Modbus RTU"
In/Output Signal	NPN type / Open Collector
Air Inlet Port	One touch fitting Ø6



Pneumatic double-acting pump for low-viscosity materials ($\leq 5,000$ cP). Select the appropriate plunger for the required dispensing volume to ensure stable and precise dispensing. Available in four models with maximum dispensing volumes of 1 cc, 3 cc, 5 cc, and 10 cc, with fine adjustment possible via micrometer.



High Precision

Quantitatively dispenses low-viscosity materials below 5,000 cP with high precision, maintaining an error margin of $\pm 0.5\%$.

High Reliability

Achieves accurate and stable quantitative dispensing through product standardization.

High Durability

Enables long-term quantitative dispensing by utilizing special high-elasticity and wear-resistant seal materials.

High Adaptability

Easily allows changes in materials and specifications to be applicable to various substances.



〈 8-process Plunger Pump system 〉

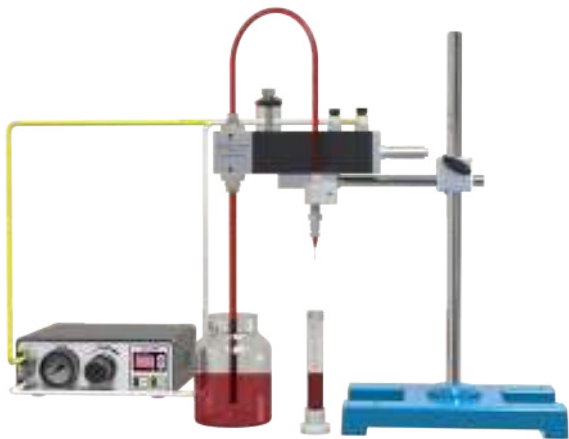
Applications

- **Industrial** : oil, adhesive, solvents, electrolyte, etc
- **Food** : sauce, jam, syrup, etc
- **Cosmetic** : lotion, cream, shampoo, conditioner, perfume, air freshener, etc
- **Bio** : reagent, enzyme, etc



〈 PP-3CV with specially manufactured wetted part 〉

model	Image	Size (mm)	Plunger Diameter (mm)	Max. Stroke (mm)	Max. Dosing volume (cc)	Standard Hose (mm)
PP-1CV		□43 x L216.5	10	13	1.0	〈 Inlet Port 〉 S type (Ø4-Ø6) M type (Ø6-Ø8) L type (Ø8-Ø10)
PP-3CV		□43 x L216.5	18	13	3.0	
PP-5CV		□50 x L277.5	18	25	5.0	〈 Outlet Port 〉 S type (Ø2-Ø4) M type (Ø4-Ø6) L type (Ø6-Ø8)
PP-10CV		□50 x L277.5	25	25	11.0	



〈 System Configuration 〉



〈 24-ARRAY PLUNGER PUMP SYSTEM 〉

•••••
nano pen
NANO PEN Series



Item	Model	NANO PEN 3	NANO PEN 5	NANO PEN 10	NANO PEN 30
Size(AxBxCxD)		20x16x25x171(mm)	20x18x25x171(mm)	20x23x28x186(mm)	20x30x35x211(mm)
Weight		154g	156g	196g	250g
Viscosity		1~500,000cP			
Screw Pitch		1.0mm	1.0mm	1.0mm	2.0mm
Stroke		58mm	53mm	72mm	90mm
Displacement Step		0.0001mm/step		0.001mm/step	
Section of Barrel		70.88mm ²	124.69mm ²	196.07mm ²	401.15mm ²
Volume by Step		0.007μl/step	0.012μl/step	0.2μl/step	0.4μl/step
Barrel		3cc	5cc	10cc	30cc

It is a pen-type dispenser that can precisely dispense minute amounts using a motor-driven method, without requiring air pressure.

This is a new concept dispenser that enables convenient and stable ultra-fine volume dispensing. The magnetic component applied inside the Nanopen facilitates barrel replacement and setup.

With its simple and compact design and structure, it is easy to integrate into automated lines or multi-head configurations, and capable of high-speed dispensing, making it applicable to various applications.
※ It can accommodate 3/5/10/30cc capacity barrels, and dedicated barrels and plungers must be used.



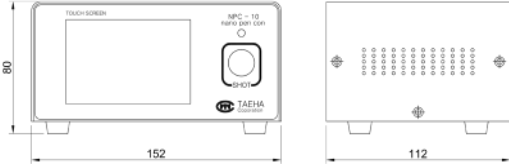
A pen-type, high-precision micro-dispensing system based on an electric motor drive (without requiring pneumatic pressure), which enables precise dispensing through electronic control.

Standard System Configuration

The NPC-10 is a dedicated controller for the Nano Pen system, featuring digital multi-functions and simple operation for easy volume control. It ensures stable, high-precision micro-dispensing.



NPC-10	
Size(WxDxH)	158 × 110 × 80 (mm)
Weight	932g
Power	DC 9V/2A
Power Consumption	15W
Dispensing Mode	Time / Steady / Sequence / Interval
Display	3.2" Touch LCD
Interface	RS485 (Modbus)
Input Signal	Contact Input
Output Signal	NPN Open Collector
Standard Component	Power cable, Motor cable, Foot S/W



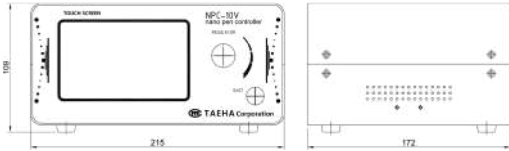


Valve-Equipped Setup

By integrating the Nano Pen and ADV (Anti-Drip Valve, ADV7, see the 39page), materials containing fillers (low to high viscosity) can be dispensed in ultra-small volumes through needles with an inner diameter of Ø 0.5mm or less. The ADV removes residual pressure and prevents dehydration cake, effectively reducing nozzle clogging. When using the NPC-10V, the Nano Pen and ADV can be configured as an interlinked system.



NPC-10V	
Size(WxDxH)	215 x 172 x 109 (mm)
Weight	1.5kg
Power	100~240V 60Hz
Power Consumption	75W
Dispensing Mode	Time / Steady
Display	5" Touch LCD
Operating Method	Touch panel, Button, Rotary knob
Input Signal	Contact Input
Output Signal	NPN Open Collector
Standard Component	Power cable, Motor cable, Foot S/W





NANO PIPETTE SYSTEM

The Nano Pipette is an electronic pipette applicable to various industrial fields including pharmaceuticals, biotechnology, food, and cosmetics. It is particularly effective for biosensors, glucose sensors, and Liquid Handling Stations where contamination prevention is essential.



NANO PIPETTE 3000/100

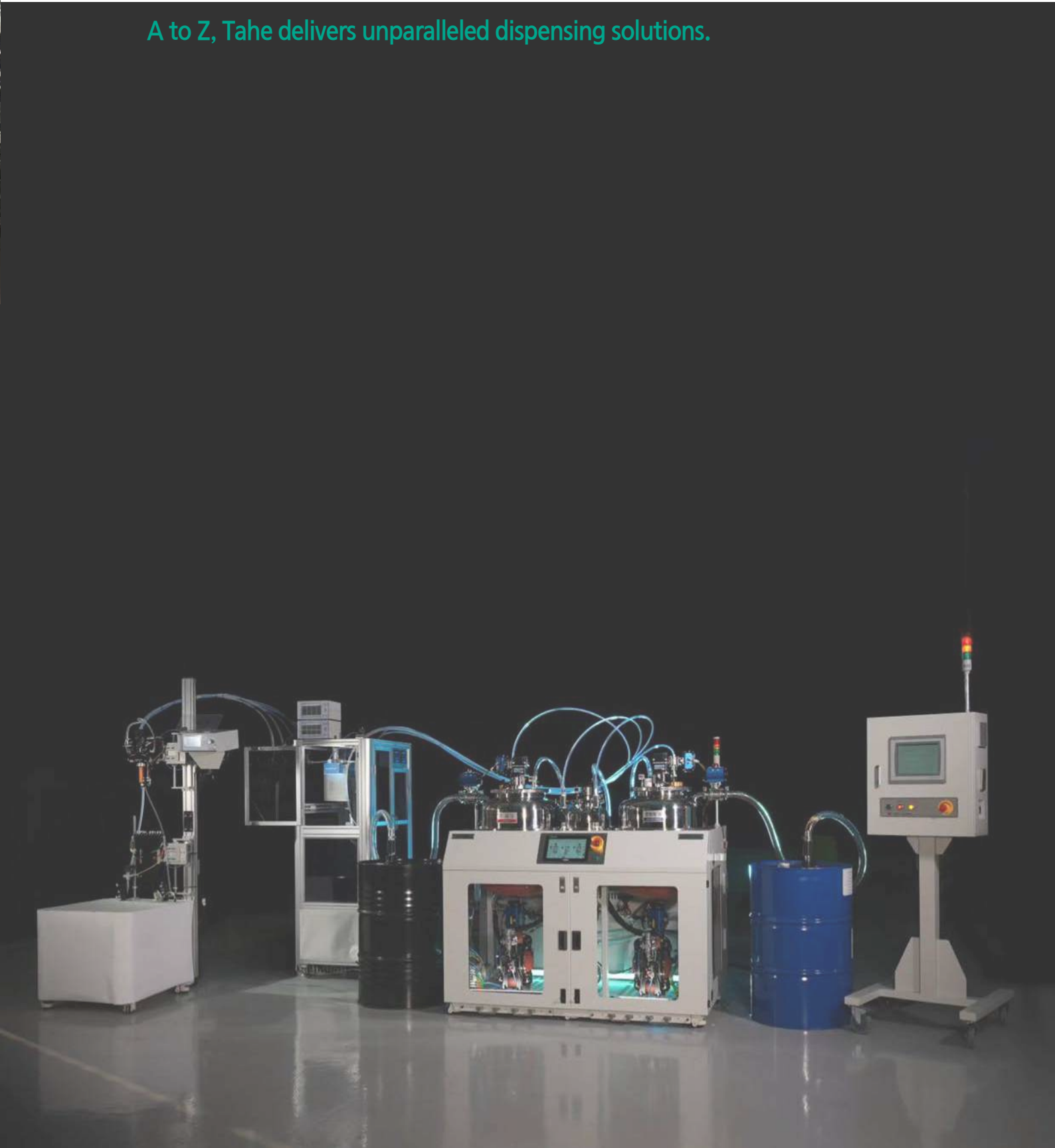
Electric Air Displacement Pipette (Prevents sample contamination)
Calibration and compensation functions allow for stable control and easy maintenance.
Easy setting of dispensing volume and precise dispensing is possible (0.1μl).
Compact design ensures simple and efficient manual/automatic control.
Applicable to various low-viscosity materials in biosensors, cosmetics, genetics, AF coating, and more.
Compact structure makes it suitable for automated lines and multi-head configurations.

Pipette Model	NANO PIPETTE 100	NANO PIPETTE 3000
Size(AxBxL)	20 x 24 x 187(mm)	20 x 24 x 187(mm)
Weight	170g	254g
Compatible tips	200μl Pipette tip	Custom-made Needle Standard Needle
Max. Aspiration Volume	150μl	3000μl
Min. Dispensing Volume	0.1μl	0.1μl



Controller Model	NPPC-10
Size(WxDxH)	150 x 80 x 110(mm)
Weight	932g
Power	DC24V 0.5A
Display	3.5" Touch Screen
Function	Aspiration/Dispensing/ Calibration/Adjustment
Input Signal	RS232/RS485 Modbus
Output Signal	NPN open collector

Experience the perfect synergy of high-performance equipment and skilled engineers. With Tahe by your side, even highly challenging fluid materials or intricate dispensing processes are no longer an obstacle. From A to Z, Tahe delivers unparalleled dispensing solutions.



TAEHA's pneumatic precision dispensing valves are widely applied across various industries, providing stable and accurate dispensing solutions. Our valve lineup is designed to accurately and consistently dispense materials, ranging from low viscosity to challenging high viscosity.

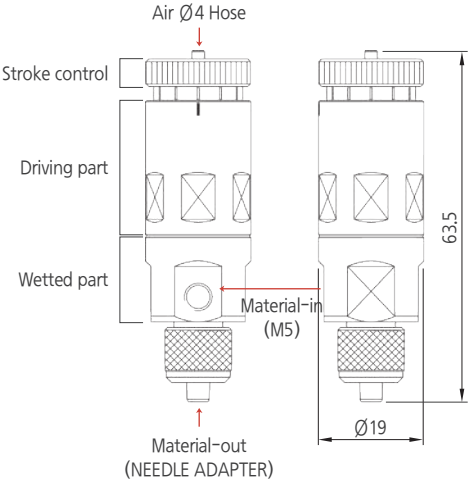
Mini Diaphragm Valve

DV-10



- Features
Excellent for dispensing low-viscous material in a small and fine quantity
- Applicable Material
Low viscosity material such as reagent, solvent, flux, ink, electrolyte, etc
- Specifications

Size(mm)		Ø19.0 x L63.5
Weight		80g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 0.6MPa
Port Size	Air_IN	Ø4 Hose
	Material_IN	M5
	Material_OUT	LUER LOCK(male)
Flux (KV value)		1.1L/min
Driving Part Material		Stainless Steel303
Wetted Part Material		Stainless Steel303, UHMW-PE



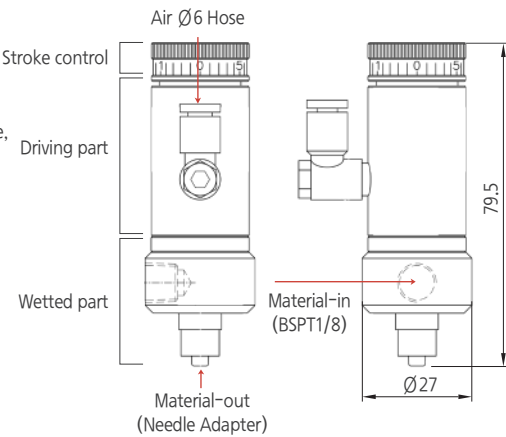
Diaphragm Valve

DV-100



- Features
Excellent for dispensing low-viscous material in a small and fine quantity. Good chemical resistance due to polymer material of wetted part
- Applicable Material
Low viscosity material such as reagent, solvent, instant glue, anaerobic adhesive, flux, ink, electrolyte, etc
- Specifications

Size(mm)		Ø27.0 x L79.5
Weight		80g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 0.5MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)
Flux (KV value)		0.3L/min
Driving Part Material		Aluminum
Wetted Part Material		UHMW-PE



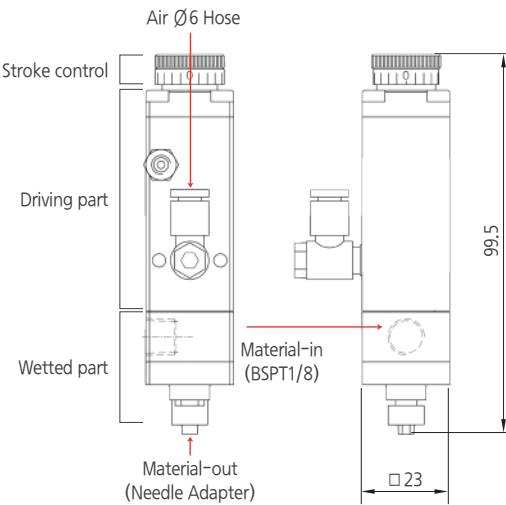
Needle Valve

DV-200



- Features
Durable through using of diaphragm. Simple structure for application to various materials.
- Applicable Material
Low~medium viscosity material such as solvent, silicone oil, epoxy, containing filler, etc
- Specifications

Size(mm)	□ 23.0 x L99.5	
Weight	170g	
Driving Air Pressure	More than 0.4MPa	
Material Feeding Pressure	Max. 0.6MPa	
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)
Flux (KV value)	1.7L/min	
Driving Part Material	Aluminum	
Wetted Part Material	Stainless Steel303	



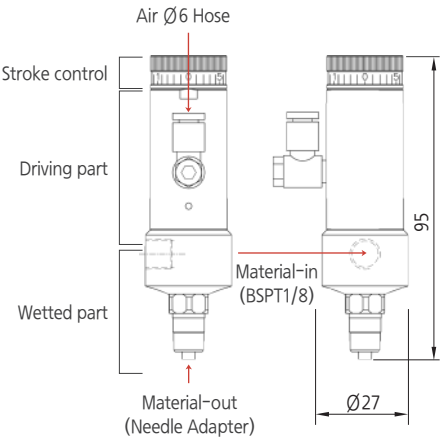
Needle Valve

DV-200S



- Features
Suitable for material requiring fine dispensing. Less ball-up effect and easy for needle replacement
- Applicable Material
Low~ medium viscosity material
- Specifications

Size(mm)	Ø27.0 x L95.0	
Weight	140g	
Driving Air Pressure	More than 0.4MPa	
Material Feeding Pressure	Max. 0.5MPa	
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)
Flux (KV value)	0.6L/min	
Driving Part Material	Aluminum	
Wetted Part Material	Stainless Steel303, PEEK	



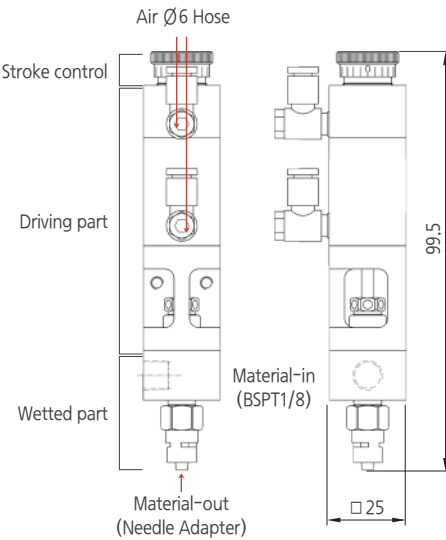
Needle Valve

DV-200H



- Features
Knob for easy regulating the flux, Good durability due to special seal structure
- Applicable Material
High viscosity of RTV silicone and grease, epoxy, etc
- Specifications

Size(mm)		□ 25.0 x L135.7
Weight		240g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 12.0MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)
Flux (KV value)		1.5L/min
Driving Part Material		Aluminum
Wetted Part Material		Stainless Steel303



Needle Valve

DV-20F



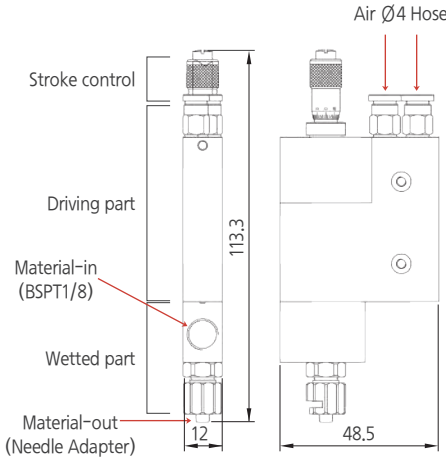
- Features
Lightweight and compact type that's good for multi-structure design, Less ball-up effect due to open/close at the highest end Excellent for a precise and small dot of dispensing by minimizing the internal volume of the material contacting unit
- Applicable Material
Low~medium viscosity material
- Specifications

Applicable Material

Low-medium viscosity material

- Specifications

Size(mm)	W12.0 x D48.5 x H113.3	
Weight	140g	
Driving Air Pressure	More than 0.4MPa	
Material Feeding Pressure	Max. 0.5MPa	
Port Size	Air_IN	Ø4 Hose
	Material_IN	BSPT 1/8
	Material_OUT	NEEDLE ADAPTER (NUT type)
Flux (KV value)	0.5L/min	
Driving Part Material	Aluminum	
Wetted Part Material	Stainless Steel303	



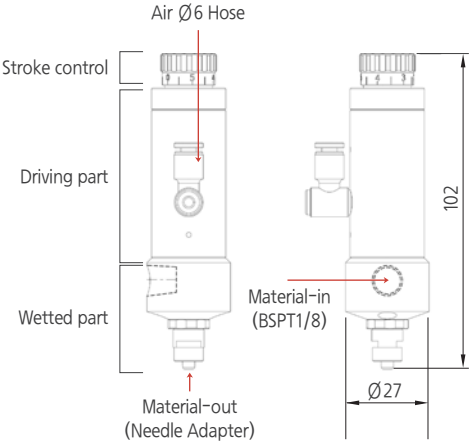
Needle Valve

DV-20S



- Features
Suitable for materials requiring fine dispensing.
Enables highly precise flow regulation.
Less ball-up effect and easy for needle replacement.
- Applicable Material
Low viscosity material
- Specifications

Size(mm)		Ø27.0 x L102.0
Weight		140g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 0.5MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)
Flux (KV value)		0.092L/min
Driving Part Material		Aluminum
Wetted Part Material		Stainless Steel303, PEEK



Poppet Valve

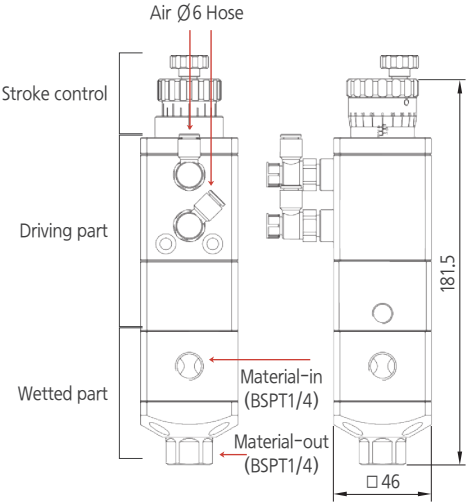
DV-300HF



- Features
For high-pressure, Excellent for material containing filler and good for great volume of flux
- Applicable Material
High viscosity material
- Specifications

Size(mm)		□46.0 x L181.5
Weight		850g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 15.0MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/4
	Material_OUT	BSPT 1/4
Flux (KV value)		1.9L/min
Driving Part Material		Aluminum
Wetted Part Material		Aluminum

* Option of Inlet port : AN Fitting(1/4", 3/8", 1/2", 3/4")



Poppet Valve

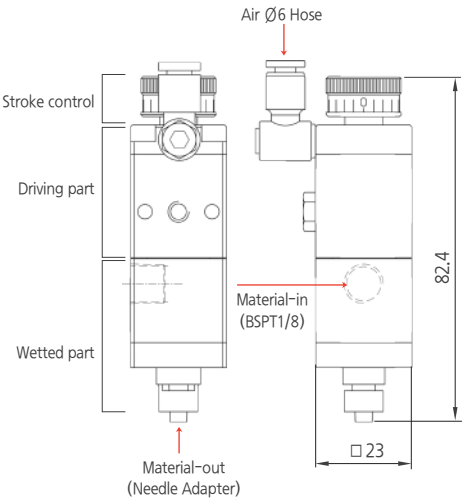
DV-300



- Features
Due to designing of snuff-back structure, less ball-up effect after dispensing
- Applicable Material
Low ~ medium viscosity material
- Specifications

Size(mm)		Ø29.0 x L126.5
Weight		200g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 0.6MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)
Flux (KV value)		2.4L/min
Driving Part Material		Aluminum
Wetted Part Material		Aluminum
Option of Outlet port		BSPT 1/4, BSPT 1/8, Nut Collar

* Option of Outlet port : BSPT 1/4", 1/8", Nut collar



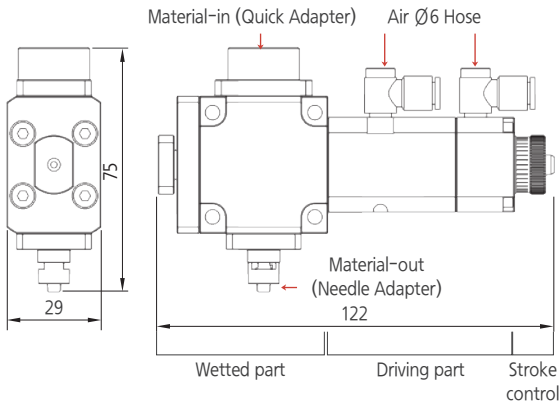
Poppet Valve

DV-300RH



- Features
Horizontal type of DV-300R, Due to designing of snuff-back structure, less ball-up effect after dispensing
- Applicable Material
Low~ medium viscosity material
- Specifications

Size(mm)		W29.0 x D122.0 x H75.0
Weight		340g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 0.5MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	exclusive QUICK ADAPTER
	Material_OUT	LUER LOCK(male)



Flux (KV value)	1.9L/min
Driving Part Material	Aluminum
Wetted Part Material	Aluminum

Poppet Valve

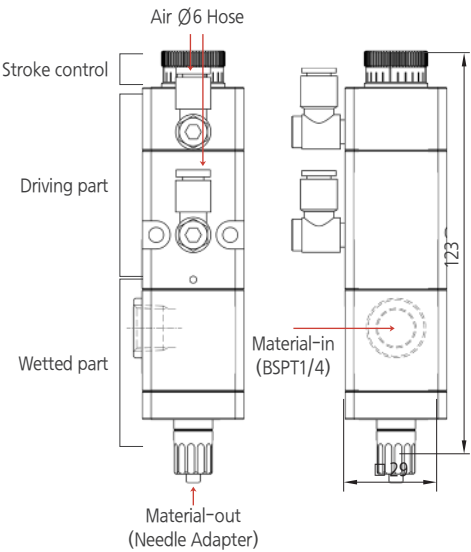
DV-300R



- Features
For Medium/high pressure of DV-300, Due to designing of snuff-back structure, less ball-up effect after dispensing
- Applicable Material
Medium ~ high viscosity material
- Specifications

Size(mm)		□29.0 x L123
Weight		260g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 5.0MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/4
	Material_OUT	LUER LOCK(male)
Flux (KV value)		1.8L/min
Driving Part Material		Aluminum
Wetted Part Material		Aluminum

* Option of Inlet port : AN Fitting(1/4", 3/8", 1/2", 3/4")



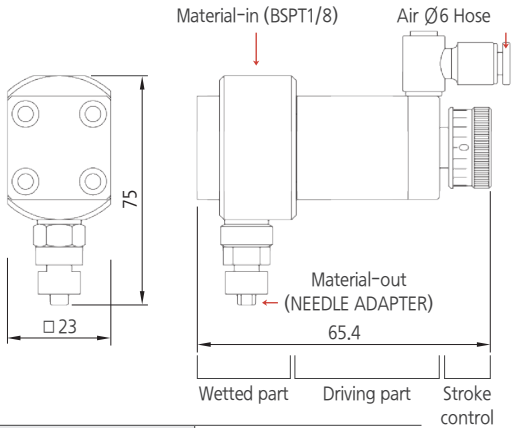
Poppet Valve

DV-30H



- Features
Small & horizontal type of DV-300 Good for installing to multi-head
- Applicable Material
Low~ medium viscosity material
- Specifications

Size(mm)		W23.0 x D65.4 x H51.0
Weight		82g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 0.6MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)



Flux (KV value)	1.2L/min
Driving Part Material	Aluminum
Wetted Part Material	Stainless Steel303

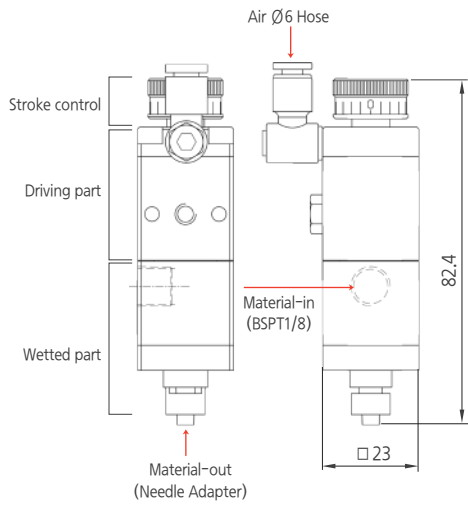
Poppet Valve

DV-30V



- Features
Small & vertical type of DV-300
Good for installing to multi-head
- Applicable Material
Low~ medium viscosity material
- Specifications

Size(mm)		□ 23.0 x L82.4
Weight		82g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 0.6MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	LUER LOCK(male)
Flux (KV value)		1.2L/min
Driving Part Material		Aluminum
Wetted Part Material		Aluminum



Slide Valve

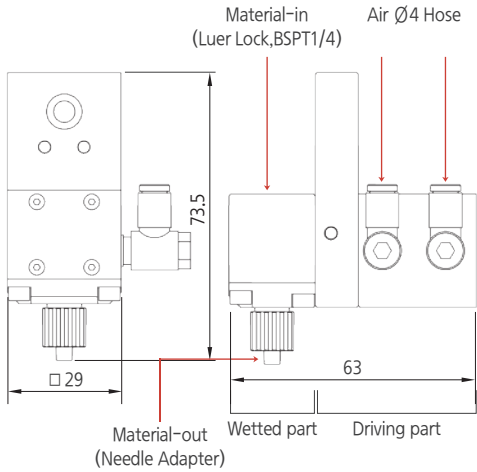
DV-50W



- Features
Excellent for various applications as the material of the wetted part can be changed according to the material used

- Applicable Material
Medium~high viscosity material and material containing high~filler (solder paste, silver paste, thermal grease, etc)
- Specifications

Size(mm)		W29.0 x D63.0 x H73.5
Weight		200g
Driving Air Pressure		More than 0.45~0.6MPa
Material Feeding Pressure		Max. 10.0MPa
Port Size	Air_IN	Ø4 HOSE
	Material_IN	LUER LOCK , BSPT 1/4
	Material_OUT	LUER LOCK(male)
Flux (KV value)		1.7L/min
Driving Part Material		Aluminum
Wetted Part Material		AL, WC, HSS



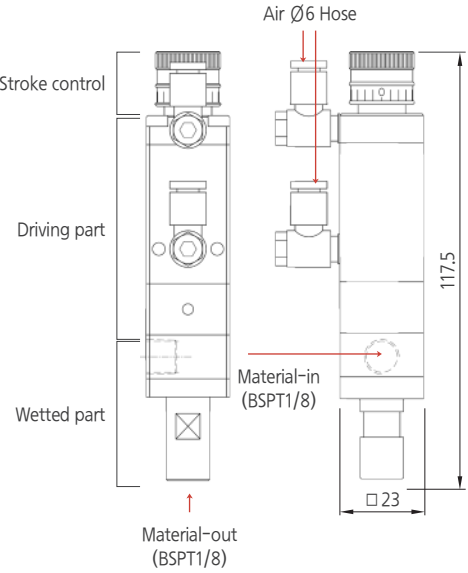
Spool Valve

DV-400



- Features
A durable high-pressure valve, Due to excellent snuff-back structure, less ball-up effect after dispensing
- Applicable Material
Medium~high viscosity material
- Specifications

Size(mm)		□ 23.0 x L117.5
Weight		260g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 5.0MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/8
	Material_OUT	BSPT 1/8
Flux (KV value)		2.1L/min
Driving Part Material		Stainless Steel303
Wetted Part Material		Stainless Steel303



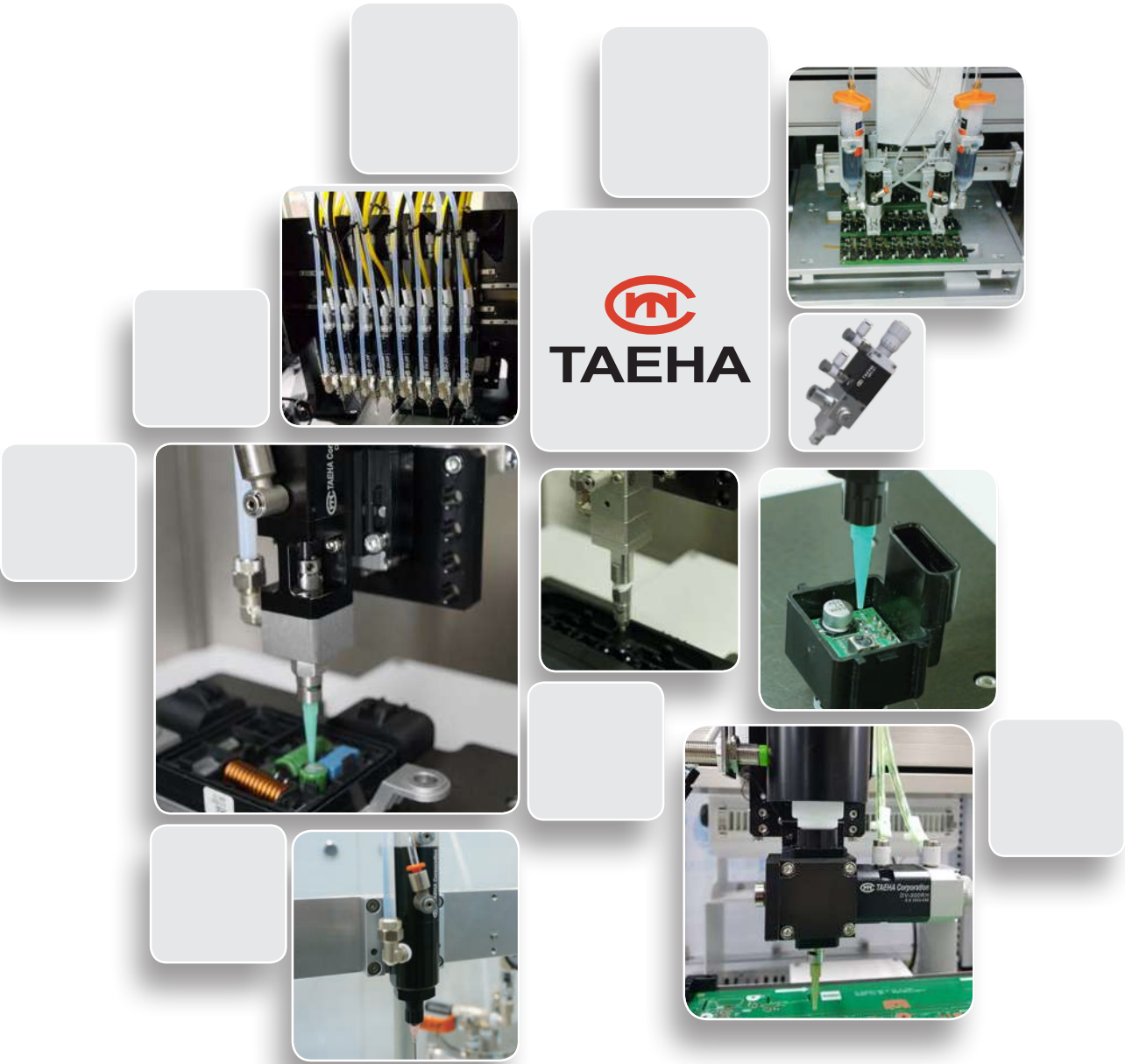
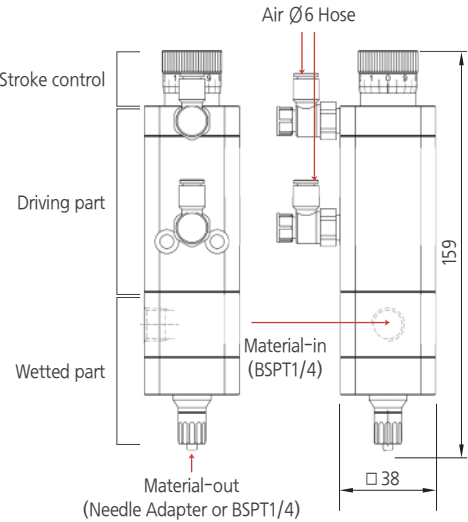
Spool Valve

DV-4000



- Features
A durable high-pressure valve, Due to excellent snuff-back structure, less ball-up effect after dispensing
- Applicable Material
Medium~high viscosity material
- Specifications

Size(mm)		□ 38.0 x L159.0
Weight		480g
Driving Air Pressure		More than 0.4MPa
Material Feeding Pressure		Max. 15.0MPa
Port Size	Air_IN	Ø6 Hose
	Material_IN	BSPT 1/4
	Material_OUT	LUER LOCK(male),
Flux (KV value)		2.3L/min(LUER LOCK), 3.5L/min(BSPT1/4)
Driving Part Material		Aluminum
Wetted Part Material		Aluminum



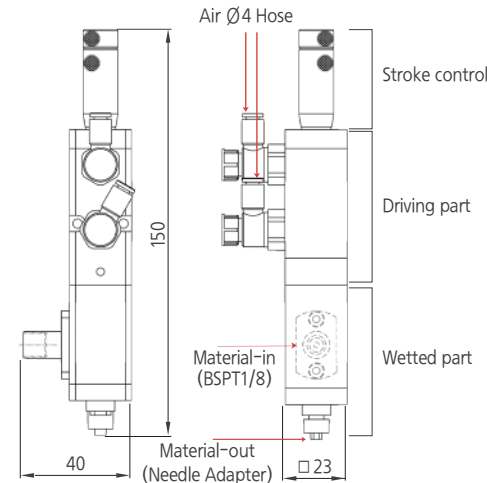
Plunger Pump

PP-015



- Features
 - A volumetric valve for high precision dispensing.
 - Installed micrometer for fine regulating of shot volume
- Applicable Material
 - Low~ medium viscosity material
- 밸브사양

Size(mm)	□ 23.0 x L150.0
Weight	320g
Driving Air Pressure	More than 0.4MPa
Material Feeding Pressure	Max. 0.03MPa (Spring : 0.3mm) Max. 0.12MPa (Spring : 0.5mm)
Shot Volume	0.05~0.15cc
Port Size	Air_IN Ø4 Hose
	Material_IN BSPT 1/8
	Material_OUT LUER LOCK(male)
Driving Part Material	Aluminum
Wetted Part Material	Stainless Steel303



Metering Spool Valve

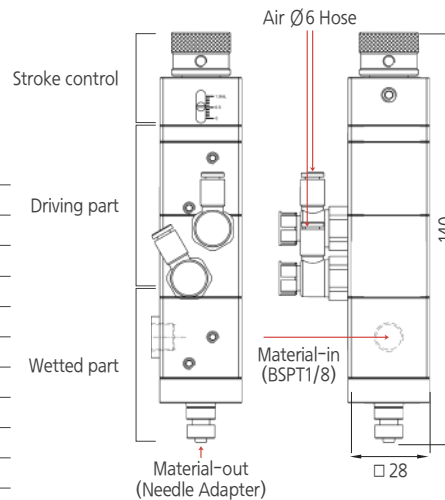
MSV-1

Excellent performance of fine dispensing with collaboration of metering chamber and high-pressure valve



- Features
 - A metering valve for high precision dispensing (accuracy ±1%)
 - Excellent durability due to special seal structure
 - Easy regulating the flux, Due to excellent snuff-back structure
 - Less ball-up effect after dispensing
- Applicable Material
 - Medium ~ high viscosity material
- Specifications

Size(mm)	□ 28.0 x L140.0
Weight	280g
Driving Air Pressure	More than 0.4MPa
Material Feeding Pressure	Min. 2.5MPa, Max.15.0MPa
Shot Volume	0.02 ~ 1.01cc
Port Size	Air_IN Ø6 Hose
	Material_IN BSPT 1/8
	Material_OUT LUER LOCK(male)
Driving Part Material	Aluminum
Wetted Part Material	Aluminum



Metering Plunger Valve

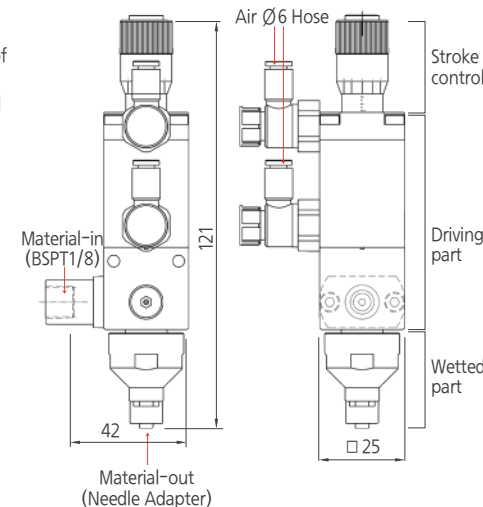
MPV-01

Excellent performance of fine dispensing with collaboration of metering chamber of plunger type and ball-valve



- Features
 - High precision dispensing (accuracy ±1%)
 - Applicable to wide range of viscosity(10,000~500,000cP)
 - Metering chamber can be dispensed consistently regardless of viscosity or air pressure
 - Vent knob removes air bubbles in the metering chamber and allows fine dispensing
- Applicable Material
 - High~ medium viscosity material
- Specifications

Size(mm)	□ 25.0 x L121.0
Weight	280g
Driving Air Pressure	More than 0.5MPa
Material Feeding Pressure	Min. 0.2MPa, Max. 3.0MPa
Shot Volume	0.005 ~ 0.125cc
Port Size	Air_IN Ø6 Hose
	Material_IN BSPT 1/8
	Material_OUT LUER LOCK(male), BSPT 1/8
Driving Part Material	Aluminum
Wetted Part Material	Stainless Steel303



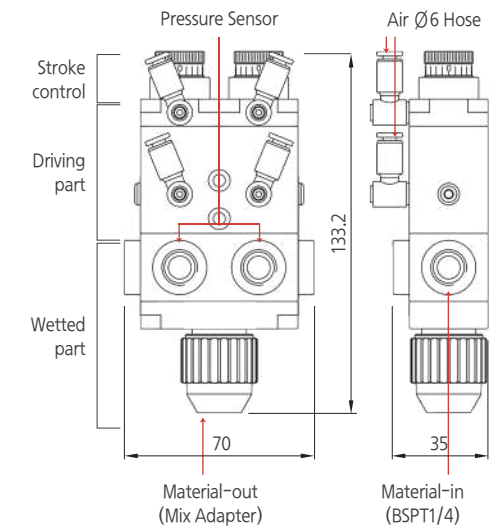
Twin Dispensing Valve

TDV-300T



- Features
 - Multi-purpose air pressure operated valve with a dedicated poppet type valve for a wide range of viscosity
 - Due to excellent snuff-back structure, less ball-up effect after dispensing
 - Mixing ratio of resin and hardener → 1:1, 2:1, 4:1 and 10:1
- Applicable Material
 - Low~high viscosity material
- Specifications

Size(mm)	W70.0 x D35.0 x H133.2
Weight	530g
Driving Air Pressure	More than 0.4MPa
Material Feeding Pressure	Max. 0.6MPa
Shot Volume	Ø6 HOSE
Port Size	Air_IN BSPT 1/4
	Material_IN MIX ADAPTER
	Material_OUT 2.9L/min
Driving Part Material	Aluminum
Wetted Part Material	Aluminum



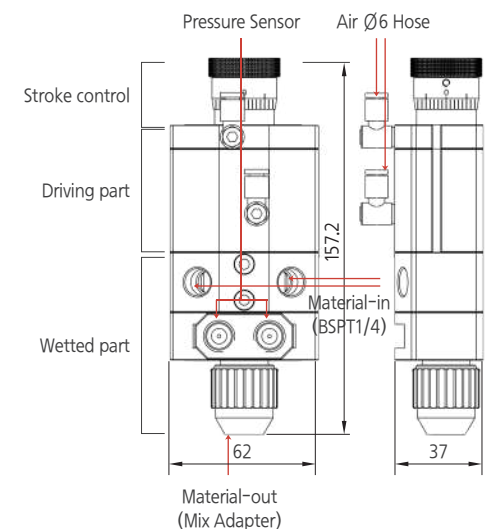
Double Dispensing Valve

DDV-300



- Features
 - Multi-purpose air pressure operated valve with a dedicated poppet type valve for a wide range of viscosity
 - Due to excellent snuff-back structure, less ball-up effect after dispensing
 - Mixing ratio of resin and hardener → 1:1 only
- Applicable Material
 - Low~high viscosity material
- Specifications

Size(mm)	W62.0 x D37.0 x H157.2
Weight	690g
Driving Air Pressure	More than 0.4MPa
Material Feeding Pressure	Max. 0.6MPa
Port Size	Air_IN Ø6 HOSE
	Material_IN BSPT 1/4
	Material_OUT MIX ADAPTER
Flux (KV value)	2.9L/min
Driving Part Material	Aluminum
Wetted Part Material	Aluminum



This is a valve system that uses compressed air to spray materials in the form of a fine mist. It is used in industrial settings to spray with precision in consistent patterns, mainly for small-volume precise coating, non-contact dispensing, and automated equipment.

SDV Series

- Low-pressure, low-flow type enables uniform fine spray without overspray, ensuring stable operation without nozzle tip clogging.
- Made of tungsten carbide for excellent durability and offers a wide range of nozzle options for flexible control of spray width and pattern.



Item	Model	SDV-200			
Size (mm)		Ø27 X L142			
Weight		260g			
Operating Air Pressure		0.4~0.5 MPa			
Feeding Pressure		Max 0.7MPa			
Spray Type		External mixing type			
Viscosity		Low~Medium viscosity			
Material of Part		Body,Piston : Stainless Steel 303F, Seat : Stainless Steel 420, Needle : Tungsten Carbide			
Nozzle Type		MS (Micro Spray)	WC (Wide Cone)	FF (Flat Fan)	Swirl Nozzle
Nozzle shape & Dosing Pattern					

SSDV Series

Precisely dispenses Bead, Line, and Swirl sprays by adjusting the drive solenoid and spray pressure. Offers excellent durability due to its tungsten carbide material. The spray flow rate can be conveniently controlled with micrometers, fine-angle nozzles, and needles.



Item	Model	SSDV-200	SSDV-20
Size (mm)		Ø24 X L157.6	Ø24 X L148
Weight		300g	260g
Operating Air Pressure		Minimum 0.4 MPa	
Feeding Pressure		Max 0.6MPa	
Spray Type		External Mix Type	Internal/External Mix Type
Viscosity		Low ~ Medium viscosity	
Material		Body,Piston : Stainless Steel 303F, Seat : Stainless Steel 420, Needle : Tungsten Carbide	
Nozzle Shape			

SNDV Series (Spray Nozzle)

- Low-flow/wide-pattern/ film coating spray nozzle valve
- Provides stable spraying without overspray and allows easy flow adjustment
- Equipped with a high-speed solenoid valve for precise material control and fast 90° tilting operation



Item	Model	SNDV-200	SNDV-200R
Size (mm)		Ø27 X L200	
Weight		310g	490g
Operating Air Pressure		0.4~0.5 MPa	
Feeding Pressure		Max 0.7MPa	
Spray Type		Hydraulic Dispensing Type	
Viscosity		Low-viscosity materials (Max. 100cP)	
Material		Body : Stainless Steel 303F Nozzle : Tungsten Carbide	
Dosing Parttern			

RSDV-20 (Radial Spray)

- Fine, micro-volume spraying of low-viscosity materials onto the inner surface of circular products
- Achieves uniform spray coating on interior surfaces
- Equipped with micrometers, fine-angle nozzles, and needles for ultra-precise spray volume adjustment

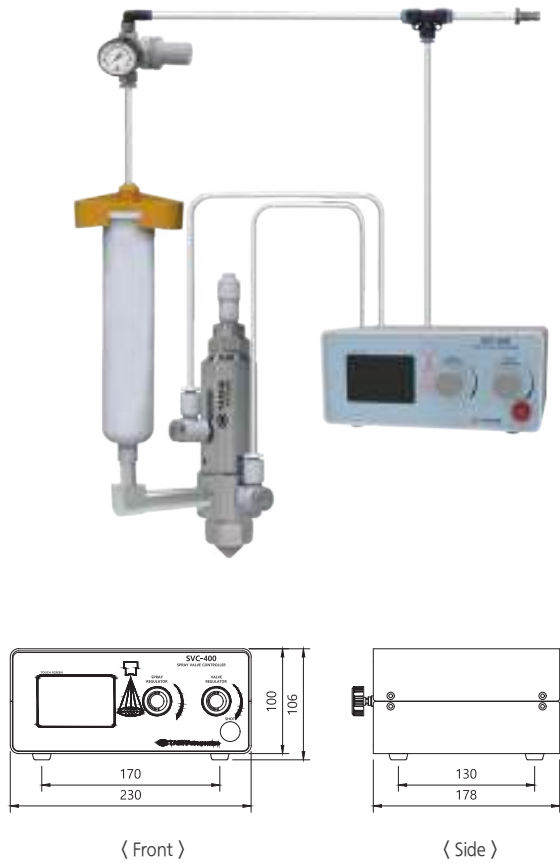


Item	Model	RSDV-20
Size (mm)		Ø24 X L182
Working Range(mm)		ID : ≥ 5mm , L : ≤ 68mm
Weight		310g
Operating Air Pressure		Min. 0.4 MPa
Feeding Pressure		Max 0.4MPa
Spray Type		Internal Mix Type
Viscosity		Low-viscosity materials (Max. 100cP)
Material		Stainless Steel 303F
Dosing Pattern		

Spray Controller SVC-400



Item	Model	SVC-400
Size (WxDxH)		236 x 204 x 92 (mm)
Weight		1.8kg
Power		AC220, 50/60Hz
Power Consumption		Max.50W
Display		2.8" TFT LCD
Operating Method		Touch panel/ Button / Rotary knob
Operating Mode		Local/Remote
Operating Air		One touch Fitting PC (Ø6, Max 0.7MPa)
In/Out Connector		STL95/12-5.0-V-GREEN
Com.Connector		DSUB 9Pin





Material Feeding System, MFS-V3030C20

Transfers and supplies two-component materials stably and efficiently, with a built-in cleaning function that automatically cleans the mixer and valve internals. Prevents material curing and enhances maintenance efficiency.

Mixing & Dispense Head – PRO PUMP + HD MIXER

A combination of the PRO PUMP, capable of ±1% metering accuracy, and a Hybrid Dynamic (HD) mixer driven by a high-speed servo motor. Ensures uniform mixing even for high-viscosity materials.

Mixing & Dispense Controller – PROC-RD1000

A dedicated controller for two-component mixing and dispensing, optimized for long-duration metered application. Equipped with dedicated software for precise and versatile dispensing. Features a color touchscreen, 15-channel memory for storing settings, excellent compatibility with other equipment, and easy operation.

Applications

EV battery pack thermal-barrier foam application, module fixation and vibration-damping structure filling, and FIPG sealing process.

Features

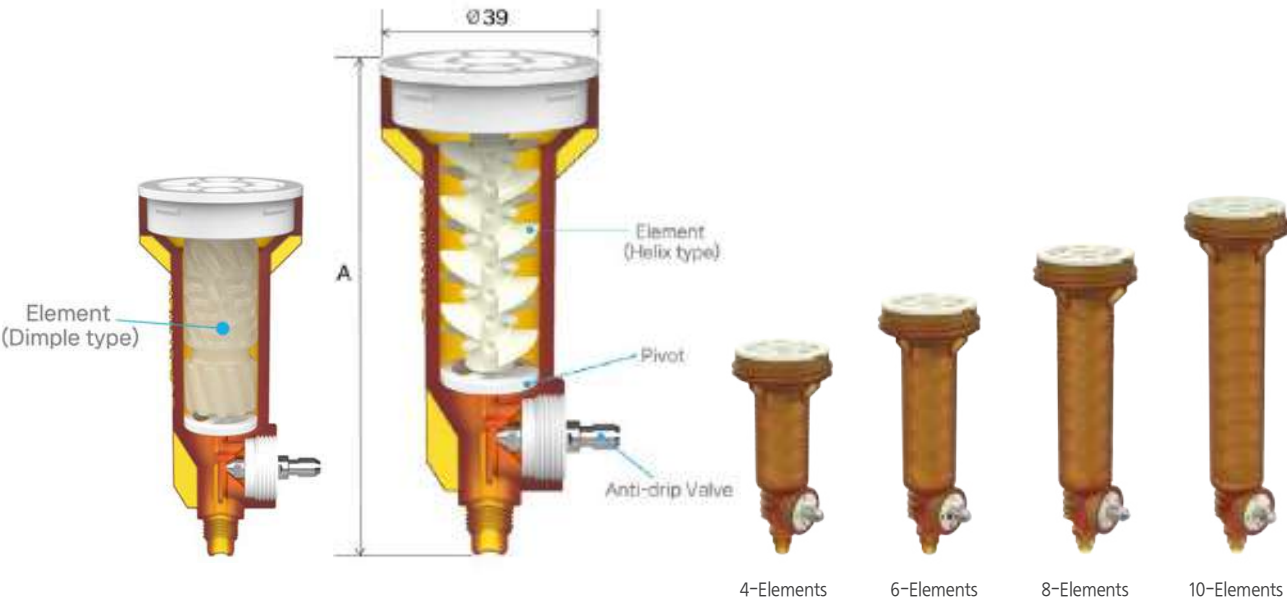
With high-speed servo motor rotation, it achieves uniform mixing even for high-viscosity materials. High-speed servo rotation ensures uniform mixing, even with high-viscosity materials. Helix/Dimple mixers are made in-house with our own tooling and injection molding, and are offered in washable/reusable or cost-effective replaceable types. An anti-drip valve prevents dripping and ball-up after dispensing, resulting in a clean finish and improved downstream process quality. A purge system (air curtain) provides excellent overspray prevention and keeps the work environment clean. (Optional) An auto-cleaning function cleans the mixer and valve internals, preventing material curing and improving maintenance efficiency. (Optional) A Circulation System maintains material density and prevents viscosity change, ensuring quality stability during extended operation. (Optional) A Temperature Control System (Heating/Cooling) controls viscosity and reaction rate and helps stabilize foam quality. (Optional)

Hybrid Dynamic Mixer HD MIXER



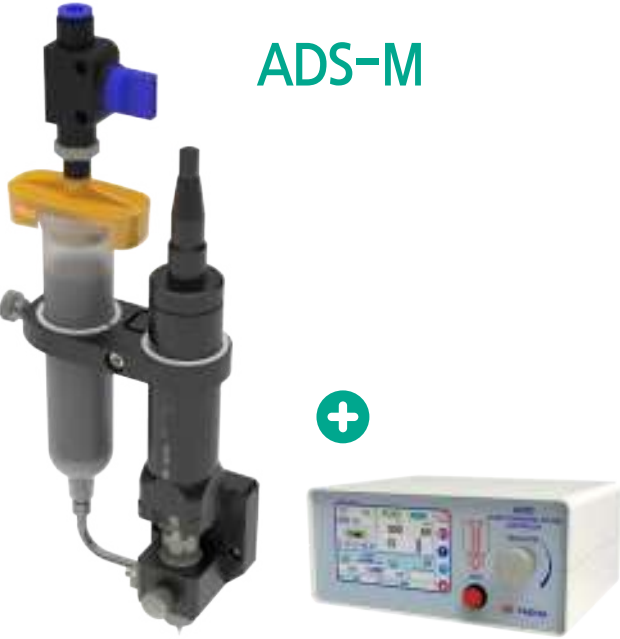
The newly designed impeller structure significantly enhances shear force, delivering optimal mixing energy. With TAEHA's proprietary injection molding technology, the dynamic mixer is seamlessly integrated with the Anti-Drip Valve, effectively preventing dripping and ball-up phenomena while maintaining a clean working environment. This advanced multifunctional unit improves not only mixing performance but also workability and efficiency, ensuring a high-quality dispensing process.

New Element Structure	Standard with ADV	Disposable and Cleanable
· Helical motion (forward/reverse rotation) · Helix · Dimple	· Improved prevention of ball-up · Enhanced dispensing accuracy and consistency · Increased operational efficiency	· Robust materials and construction enable application-specific options.



With a broad lineup by volume, element geometry, and element count, and an integrated mixer featuring ADV (Anti-Drip Valve), the system delivers excellent usability. The HD MIXER is supplied as a consumable and can be cleaned and reused when required.

Mixer model	Number of Elements	A (mm)	Internal Volume(cc)
HDM 18-10(Helix)	10	154.5	21.37
HDM 18-8(Helix)	8	134.5	17.7
HDM 18-6(Helix)	6	114.5	14.11
HDM 18-4(Helix)	4	94.5	10.47
HDM 18-4D(Dimple)	4	94.5	5.89
Pressure Resistance	6.0 bar		
Material of Part	Housing : PP , Element : POM Pivot : POM , Diaphragm : PE		



ADS-M



AHS-30B



AHS-300C



VHS-300C

Optimized for cartridge hot melt dispensing

The AUGER PUMP system is optimized for dispensing high-viscosity materials such as solder pastes and brazing pastes containing metallic particles. Designed for easy module replacement, it allows quick material changeovers and convenient cleaning. The lineup includes three module types (02M / 04M / 05M) to accommodate different dispensing volumes. Compared with air-pulse systems, the AUGER PUMP enables high-speed dispensing, significantly improving process efficiency.

Model	ADS-02M	ADS-04M	ADS-05M
Auger Dia. x Pitch	Ø3.0 x 1.5	Ø4.0 x 1.5	Ø5.0 x 1.5
Volume/rev	0.002cc	0.004cc	0.005cc
Material of Auger	Tungsten Carbide		
Motor Speed	1~450 rpm		
Container	5/10/30/50/70cc Barrel		
Dispensing Accuracy	± 2%		

Controller Model	ADSC
Size((WxDxH)	230 x 178 x 106(mm)
Weight	2.1kg
Power/ Power Consumption	AC 110~220V, 50/60Hz / 120W
Display	5" TFT LCD
Dispensing Mode	Time/Steady/Interval/Sequence/Purge
Dispensing Time Setting Range	<1000sec
RPM Setting Range	1 ~ 450 rpm
Number of Available Channels	1 ~ 32
Air In Port	Air IN : Ø6, AIR OUT : Ø6
External Output Signal	NPN open collector

The system supports temperature settings up to 150 °C, ensuring stable material supply even under high-temperature conditions. Materials are supplied through a 30cc heat-resistant barrel, providing durability and process reliability. The AUGER module is designed for easy replacement, enhancing work efficiency, while cartridge attachment, detachment, and cleaning are simple for convenient maintenance. With three optimized module types (02M / 04M / 05M), the system offers flexible compatibility with various materials and process requirements, delivering high-precision dispensing quality.

Model	AHS-30B-02M	AHS-30B-04M	AHS-30B-05M
Auger Dia. x Pitch	Ø3.5 x 1.5	Ø4.5 x 1.5	Ø5.5 x 1.5
Volume/rev	0.002cc	0.004cc	0.005cc
Material of Auger	Tungsten Carbide		
Motor Speed	1~450 rpm		
Container	30cc Barrel		
Temperature Setting Range	Max. 150° C		
Material Supply Pressure	Min. 0.2MPa ~ Max. 0.6MPa		
Dispensing Accuracy	± 2%		

The TAEHA AUGER PUMP System is engineered for high-viscosity and abrasive fluids. It delivers precise, reliable dispensing of metal-powder-filled materials such as solder paste and brazing paste.

The system allows temperature settings up to 150 °C. The AUGER module is designed for easy replacement, and cartridge changeovers and cleaning are simple for user convenience. Three module types (02M / 04M / 05M) are available to accommodate different dispensing volumes.

Model	AHS-300C-02M	AHS-300C-04M	AHS-300C-05M
Auger Dia. x Pitch	Ø3.5 x 1.5	Ø4.5 x 1.5	Ø5.5 x 1.5
Volume/rev	0.002cc	0.004cc	0.005cc
Material of Auger	Tungsten Carbide *Option : Ceramic		
Motor Speed	1~450 rpm		
Container	300cc Aluminum Cartridge		
Temperature Setting Range	Max. 150° C		
Material Supply Pressure	Min. 0.2MPa ~ Max. 0.5MPa		
Dispensing Accuracy	± 2%		

Controller Model	AHSC
Size((WxDxH)	230 x 178 x 106(mm)
Weight	2.1kg
Power/ Power Consumption	AC 110~220V, 50/60Hz / Max 500W
Display	5" TFT LCD
Dispensing Mode	Time/Steady/Interval/Sequence/Purge
Operating Air Pressure	0.6MPa
Input Port	One Touch Fitting PC (Ø6 max 0.74MPa)
Output Port	AIR : One Touch Fitting PC (Ø6 max 0.74MPa)
	MOTOR : Chogori Connector
	HEATER : SW - 10 - 4
Number of Available Channels	1 ~ 32
Input Signal	Contact Input or NPN Open Collector
External Output Signal	NPN open collector

The system supports temperature settings up to 150 °C, ensuring stable material supply even in high-temperature environments. It is compatible with standard off-the-shelf cartridges, providing excellent versatility and operational convenience. With a pneumatic valve mechanism, the structure is simple yet highly cost-efficient, effectively reducing both initial investment and operating costs. Offering both practicality and cost-effectiveness, this system serves as an optimal solution for a wide range of production settings.

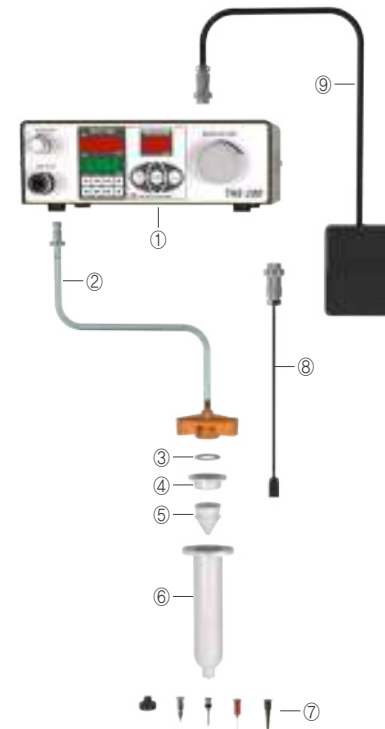
Model	VHS-300C
Heater	Cartridge Block : Silicone Rubber Heater Valve Block : Cartridge Heater
Sensor	K type sensor
Temperature Control	PID Control
Material Supply Pressure	Min. 0.2MPa ~ Max. 0.5MPa
Valve Operating Pressure	Min. 0.5MPa
Temperature Setting Range	Max. 150° C
Container	300cc Aluminum Cartridge
Dispensing Accuracy	± 2%

Controller Model	ITCON-QUAD
Size(WxDxH)	250 x 136 x 180(mm)
Weight	2.0kg
Power	AC 210~240V, 10A Max, 50/60Hz
Power Consumption	Single 0.6KW Max. / Total 1.2KW Max.
Display	7" TFT TOUCH LCD
Temp. Range	RT ~ 250° C
Thermocouple	K(CA)
Power Cable	250V / 10A
Channel	4CH
Control	PID
Setting type	DIGITAL
Communication	RS485

SPEC-1 BARREL SYSTEM

As a method of dispensing by supplying air, the minimum dispensing volume is 0.0001cc, and the dispensing volume can be adjusted according to the time/pressure/needle size.

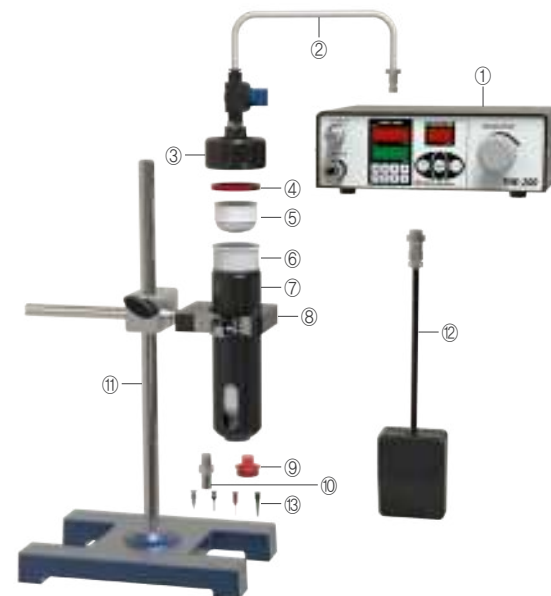
- ① Controller
- ② Adapter Assembly
- ③ O-Ring
- ④ Barrel Cap
- ⑤ Plunger
- ⑥ Barrel
- ⑦ End Tip, Needles
- ⑧ Barrel Switch
- ⑨ Foot Switch



SPEC-2 CARTRIDGE SYSTEM

Like the SPEC-1, this system dispenses materials by supplying air and uses the material in a large dispensing volume contained in a cartridge. Cartridge-related accessories are required and are useful for dispensing large quantities.

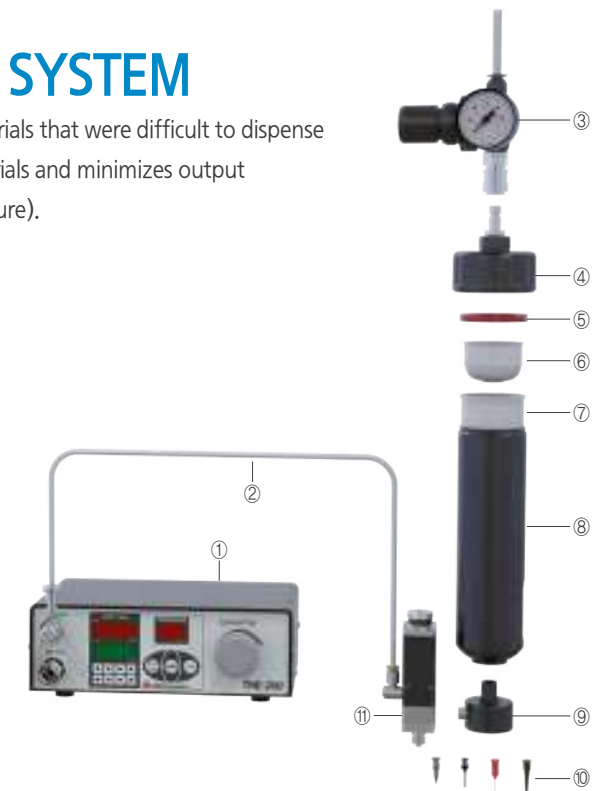
- ① Controller
- ② Connector Tube
- ③ Cartridge Holder Cap
- ④ Cartridge Cap
- ⑤ Cartridge Plunger
- ⑥ Cartridge
- ⑦ Cartridge Holder
- ⑧ Holder Clamp
- ⑨ Cartridge Plug
- ⑩ Needle Adapter
- ⑪ H-Stand
- ⑫ Foot Switch
- ⑬ Needles



SPEC-3 CARTRIDGE + VALVE SYSTEM

With its integrated dispensing valve, the SPEC-3 reliably handles materials that were difficult to dispense with the SPEC-2. This design prevents dripping of low-viscosity materials and minimizes output fluctuations caused by changes in the cartridge fluid level (head pressure).

- ① Controller
- ② Connector Tube
- ③ Regulator Set
- ④ Cartridge Holder Cap
- ⑤ Cartridge Cap
- ⑥ Cartridge Plunger
- ⑦ Cartridge
- ⑧ Cartridge Holder
- ⑨ Cartridge Elbow
- ⑩ End Tip, Needles
- ⑪ Precision Valves



DUAL CARTRIDGE + ANTI-DRIP VALVE SYSTEM

SPEC-DC

Designed as a compact dual-cartridge dispensing system, it mounts a material-filled dual cartridge (e.g., 50 cc) to the dispensing head and connects to the dedicated MOD3 controller (MODCON3-DC). An anti-drip valve at the head outlet provides a clean cut-off and significantly reduces dripping with low-viscosity materials.



SPEC-4 PRESSURE TANK + VALVE SYSTEM

Equipped with a pressure tank and a dispensing valve, the system enables high-volume material storage and dispensing.

Material is delivered from the pressure tank and precisely dispensed through the dispensing valve.

- ① Controller
- ② Connector Tube
- ③ Material Feeding Hose
- ④ Regulator Set
- ⑤ Needles
- ⑥ Level Gauge
- ⑦ Precision Valves
- ⑧ Pressure Tanks



Taeha's dedicated pneumatic dispensing controller is a precision dispenser engineered to deliver stable and accurate control over the dispensing volume.

THE-100



THE-100R



THE-200



The THE Series is a dedicated precision dispenser controller equipped with a high-performance microprocessor and a high-speed AIR PULSE circuit, delivering fast and stable material dispensing.

Its compact design allows easy integration into any workspace without installation constraints. Built for exceptional durability and minimal maintenance, the THE Series offers an excellent balance of performance and cost efficiency, making it ideal for boosting both productivity and profitability.

To prevent "ball-up" with low-viscosity materials, the controller features an integrated vacuum function. The THE-100R model supports double-acting valves for greater process flexibility, while the THE-200 model incorporates a precision regulator and pressure sensor for faster, more stable pressure control. Its ultra-fine time control, adjustable in 0.001-second increments, enables highly accurate dispensing in complex applications. It is equipped with a digital display for intuitive time and pressure settings, ensuring excellent visibility and enhanced user convenience.

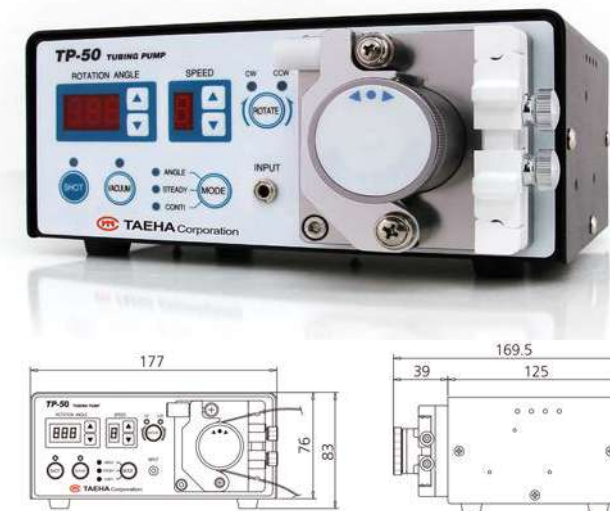
Model	THE-100	THE-100R	THE-200
Size(WxDxH)	182 x 216 x 70(mm)		212 x 239 x 78(mm)
Weight	2.3kg		4.0kg
Power Consumption	AC 220VAC, 50/60Hz, 10W		
Air Pressure	Max. 0.99MPa, Oil-free DRY AIR		1.0MPa, Oil-free DRY AIR
Pressure Range	0.02~0.6MPa		15~600kPa (For low pressure 15~400kPa)
Shot Time	0.01~9.99sec		0.001~9.999sec
Operating Mode	TIME / STEADY / INTERVAL *Interval time 0.01~9.99sec		TIME / STEADY / INTERVAL *Interval time 0.01~9.999sec
Input Signal	FOOT SW, FINGER SW, Non-voltage N.O contact		
Input Signal Time	More than 0.1sec		More than 0.05sec
Shot End Signal	Photo Coupler Output (Relay output)		
Vacuum	0~450kPa		
STD Component	FOOT SW, POWER CABLE, BARREL STAND		

A dispenser that delivers precise, stable micro-dispensing of low-viscosity materials at high speed.

TP-50



- Excels at dispensing cyanoacrylates, anaerobic adhesives, inks, and solvents (low-viscosity).
- Operates without compressed air; material is dispensed by rotor rotation.
- TAEHA's proprietary head minimizes bubble formation inside the PTFE (Teflon) transfer tube, extending tubing life.
- Micro step motor control for outstanding metering accuracy and shot-to-shot consistency.
- Industrial-grade reliability with a very low failure rate and long service life.
- Compact footprint for easy installation and integration.
- Competitive price for its functionality



Power	AC220VAC, 50/60Hz
Power Consumption	10W(max)
RPM	0~160 rpm
Angle of Rotation	Shot : 0~999° Vacuum : 1~999°
Shot Volume	Min 0.0001cc (Using teflon tube size of Ø0.3xØ0.8)
Vacuum	OK(Suck back)
Viscosity	Less than 5,000cP
Size	177(W)x83(H)x169.5(D)mm
Weight	3.5kg
STD Component	Foot S/W, Power Cord, Nozzle Holder Teflon tube 5m

Accessories for TP-50

(Teflon tube)



* Spec. of Teflon tube

Model	O.D.(mm)	I.D.(mm)
PTT0308	Ø0.8	Ø0.3
PTT0510	Ø1.0	Ø05
PTT1015	Ø1.5	Ø1.0
PTT1520	Ø2.0	Ø1.5
PTT2025	Ø2.5	Ø2.0
PTT2530	Ø3.0	Ø2.5

(Nozzle Holder)

Hold the tube and connect it to the needle.
The holder tip is changed according to the size of the tube



(Nozzle Holder S/W)

The holder tip is changed according to the size of the tube

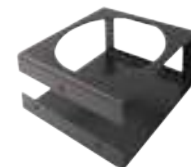


(Cup Holder)

Holder for storing adhesive containers



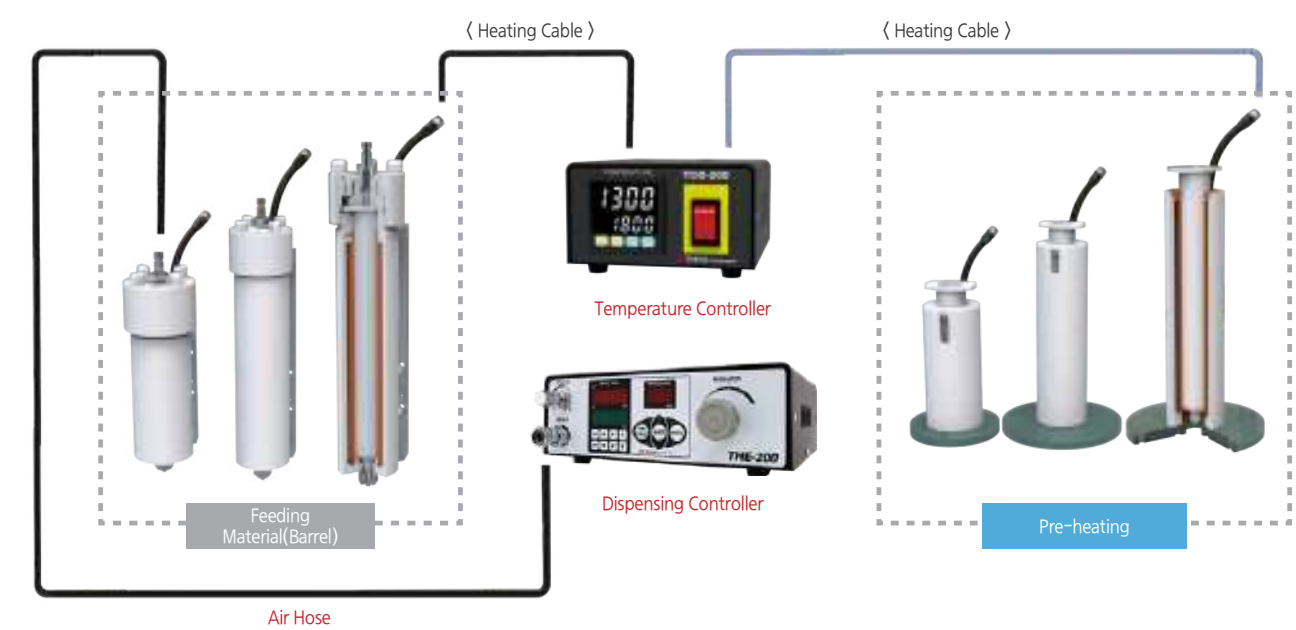
(Cup Holder B/K)



This system is engineered for materials sensitive to temperature changes or those requiring high temperature melting for precise dispensing, such as hot melts.

It is designed to deliver stable and uniform heat across the entire material barrel, ensuring consistent dispensing quality by preventing changes in viscosity or thermal degradation of the material.

Adaptable to various process conditions, the system offers flexible configurations tailored to your specific application, with a range of material supply container sizes and heating temperature options. The standard barrel operates from 30° C to 80° C, while the high-temperature version can be set up to 170° C, enabling reliable material transfer and dispensing across a wide spectrum of temperatures.



Specifications

Heating		Pre-Heating	
Heater	Body : Silicone Rubber Heater Needle : Small Cartridge Heater	Heater	Body : Silicone Rubber Heater Needle : Small Cartridge Heater
Sensor	Body, Needle : CA type	Sensor	Body, Needle : CA type
Control	PID Control	Control	PID Control
Air Pressure	More than 0.5MPa, Dry Air	Air Pressure	More than 0.5MPa, Dry Air
Container	Standard Barrel(PP) 30/50/70cc Heat-resistant Barrel(PBT)30/50cc	Container	Standard Barrel(PP) 30/50/70cc Heat-resistant Barrel(PBT)30/50cc
Temperature	Standard Barrel (Rm.Temperature~80℃) Heat-resistant Barrel (~170℃)	Temperature	Standard Barrel (Rm.Temperature~80℃) Heat-resistant Barrel (~170℃)

Size(WxDxH)	158 x 110 x 80(mm)
Weight	932g
Power	AC 110~220V, 50/60Hz
Power Consumption	3.5,10A / 60,1100,2200W
Operating Mode	TIME / STEADY
Display	3.5" Touch Screen
Interface	RS485(MODBUS)
Input Signal	Contact Input
Output Signal	NPN open collector
STD Component	Power cord

Temperature Controller TCD-200

74.4
122.4
152

The ITCON Series controls multiple temperature zones from a single unit, reducing time and panel footprint while boosting productivity. Built-in communications enable seamless integration with diverse automation equipment and control systems, improving manageability and responsiveness through centralized control.

A 7-inch touchscreen LCD offers clear visibility and intuitive operation. Packed with functions in a compact design, it delivers precise, reliable temperature control for a wide range of industrial applications.

ITCON-QUAD



ITCON-OCTA



Model	ITCON-QUAD	ITCON-OCTA
Size(WxDxH)	250 x 136 x 180(mm)	
Weight	2.0kg	2.5kg
Power	AC 210~240V, 10A Max. 50/60Hz	
Powe Consumption	Single 0.6KW Max. / Total 1.2KW Max.	Single 0.6KW Max. / Total 2.0KW Max.
Display	7" TFT TOUCH LCD	
Temp. Range	RT ~ 250° C	
Thermocouple	K(CA)	
Power Cable	250V / 10A	
Channel	4CH	8CH
Control	PID Control	
Setting type	Digital Type	
Communication	RS485	

This is a pneumatically driven pressure-reducing regulator that achieves precise dispensing by stably lowering the material supply pressure. When applied to a dispenser, it effectively controls the supply pressure to support the uniform and accurate dispensing of materials with high viscosity or those that are otherwise difficult to dispense.

LPR-10N



LPR-10N-G(Gauge)

LPR-10N-S(Sensor)

The LPR Series is a pressure-reducing regulator designed for the stable supply of high-viscosity and high-flow rate materials to the PRO PUMP system. It reliably reduces the pressure of materials fed from a high-pressure supply unit, ensuring a uniform and consistent flow to the dispensing equipment. This function is critical for supporting a precise dispensing process.



LPR-100



LPR-100-G(Gauge)

LPR-100-S(Sensor)

Model	LPR-10N	LPR-100
Size	□ 72 x 102.5(mm)	□ 60 x 90(mm)
Weight	2.2kg	1.0kg
Mat.In Pressure	Max. 20MPa	
Mat.Out Pressure	0.2 ~ 1.0MPa	0.2 ~ 1.25MPa
Flow Rate	Max. 2.0cc/sec	Max.20cc/sec
Air Pressure	0.2 ~ 0.5MPa	
In/Out Port	BSPT 3/8"	BSPT 1/2"
Sensor Port	PF 1/4"	
Material of Chamber	Stainless Steel 303	AL6061(Hard anodizing)
Material of Diaphragm	PTFE	

Y-Strainer Line-up

This device is used to remove impurities from material supply piping. It is widely used to prevent failures in equipment and machinery caused by contaminants within the lines. A diverse range of mesh sizes is available, allowing users to select the appropriate option to suit their specific application.

MESH #	Wire diameter(mm)	Opening size(mm ²)
#20	0.29	0.98
#50	0.18	0.328
#60	0.14	0.283
#70	0.14	0.222
#80	0.12	0.198
#100	0.10	0.154
#120	0.08	0.132
#150	0.065	0.102
#200	0.053	0.074
#250	0.04	0.061

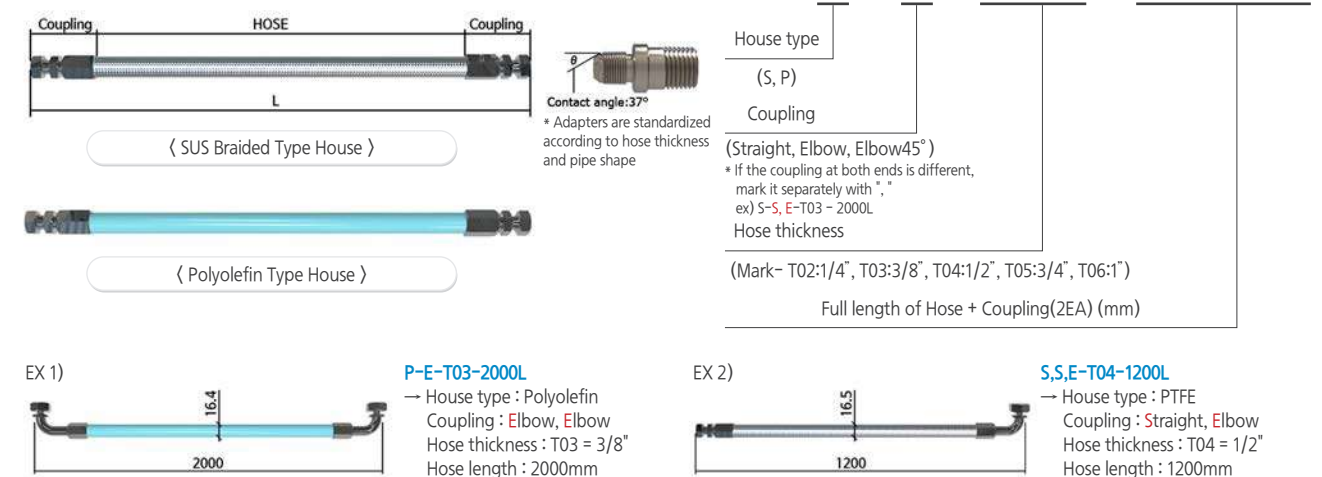
High-pressure hoses are designed to transfer various fluids in industrial settings at optimal conditions.

This high-pressure hose lineup has been carefully selected based on extensive experience and expertise from dispensing professionals.

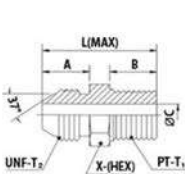
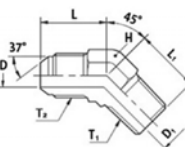
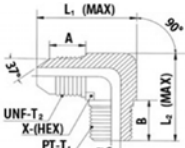
Line-up

S(Stainless Steel Braided) → STD	P(Polyolefin) → OPTION
① Excellence for chemical-resistance ② Excellence for nonadhesive and low friction ③ Excellence for non-pollution ④ Temperature of use : -70° C~230° C	① Excellence for moisture barrier ② Excellence for chemical-resistance ③ Excellence for non-pollution ④ Meets the US FDA's standards ⑤ Temperature of use : -70° C~230° C
Common → Coupling, Adapter : Stainless Steel 304, Contact angle(37°)	

Configuration / Naming Rules



Spec.Table for Hose & Adapter

	HOSE SIZE				Max. Pressure (MPa)	Min. Pressure (MPa)	Min. Radius of curvature (mm)	Weight (g/m)		Straight Type								
	Mark	Inch	mm	O.D (mm)						Part No.	T ₁	T ₂	A(mm)	B(mm)	ØC	L(mm)/max	X(mm)/hex	
P	T02	1/4"	6.3	12.5	19.5	78.0	30	95										
S				10.0	20.5	96.0	77	140										
P	T03	3/8"	9.5	16.4	16.0	64.0	50	134										
S				13.0	17.0	82.0	102	160										
P	T04	1/2"	12.7	20.3	14.0	56.0	75	241										
S				16.5	10.3	57.8	166	220										
P	T05	3/4"	19	28.7	10.5	42.0	125	368										
S				23.0	7.80	41.0	196	250										
P	T06	1"	25.4	36.5	10.5	42.0	20	554										
S				29.0	6.80	27.0	229	400										

Elbow45° Type											
Part No.	T ₁	T ₂	D	D ₁	L	L ₁	H				
AE45-04	1/4"	1/2-20	5.5	5.5	22	21	14				
AE45-06	3/8"	3/4-16	10	9	26	28	19				
AE45-08	1/2"	7/8-14	12	11.5	30	31	22				
AE45-12	3/4"	1 1/16-12	15.5	15.5	32.5	31.5	27				
AE45-16	1"	1 5/16-12	21	20.00	40	41	35				

Elbow Type											
Part No.	T ₁	T ₂	A(mm)	B(mm)	ØC	L ₁ (mm)/ max	L ₂ (mm)/ max	X(mm)/ hex			
AE-04	1/4"	1/2-20	12.95	15.75	5.85	33.55	32.95	14			
AE-06	3/8"	3/4-16	13.45	17.10	9.10	42.00	41.70	19			
AE-08	1/2"	7/8-14	17.80	21.25	11.55	46.90	46.50	22			
AE-12	3/4"	1 1/16-12	17.55	22.50	15.01	55.00	55.05	27			
AE-16	1"	1 5/16-12	18.50	23.30	20.45	64.90	66.05	34			

TEFLON(PFA) HOSE LINE-UP

This lineup features essential fluid hoses for dispensing systems, made from PFA (Perfluoroalkoxy) Teflon. With excellent chemical resistance, they are compatible with almost all fluid materials and offer superior cleanability and weather resistance for easy handling. It features excellent heat resistance, non-stick properties, electrical insulation, and a low friction coefficient, resulting in minimal contamination. The hose also offers high transparency, allowing easy visual inspection of the fluid inside.

Spec.Table

	Model	O.D(mm)	I.D(mm)	Max. Pressure (MPa)	Min.Radius (mm)	Weight (g/m)	Comment
INCH ★recommend★	PFA 1/8	3.17	1.77	1.5	7	10	*MOQ :10m *Material : PFA *Color : Clear(TP) Black(BK)
	PFA 1/4	6.35	3.95	1.7	45	42	
	PFA 3/8	9.5	6.38	1.5	60	86	
	PFA 1/2	12.7	9.52	1.1	90	120	
	PFA 3/4	19.05	15.91	0.6	400	186	
MM	PFA 1	25.4	17.26	0.5	600	240	*MOQ :10m *Material : PFA *Color : Clear(TP) Black(BK)
	PFA 4-2	4	2	2.5	25	20	
	PFA 4-3	4	3	0.9	30	12	
	PFA 6-4	6	4	1.6	30	34	
	PFA 8-6	8	6	1.1	50	47	
	PFA 10-8	10	8	0.8	70	61	
	PFA 12-10	12	10	0.7	100	74	
	PFA 14-12	14	12	0.6	150	89	

Naming Rules

PFA - 1/4 - () - 10

Model Color L(length)

Clear : No mark
Black : BK

EX) PFA 3/8-10



PLUMBING ACCESSORIES LINE-UP

Needle Adapter (Swivel) Used for connecting needles to tubes (assembled by press-fitting a Swivel Collar onto the Luer Slip).

① ② ③ ④ ⑤ ⑥ ⑦

No.	Model	Description	Material
①	NA-04	TUBE O.D Ø4	*Adapter : PP *Collar : PE
②	NA-M10	M10	
③	NA-LL(S)	Luer Lock	
④	NA-07	TUBE O.D Ø7	
⑤	NA-06	TUBE O.D Ø6	
⑥	NA-I06	TUBE I.D Ø6(Barb type)	
⑦	NA-I07	TUBE I.D Ø7(Barb type)	

Tube Jointer Used for connecting valves and tubes (tube connection methods include crimping, bonding, or welding).

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

No.	Model	Description	Material
①	04J04	TUBE Ø4	*Adapter : PP *Collar : PE
②	04JM10	TUBE Ø4 & M10	
③	07JLL	TUBE Ø4 & Luer Lock	
④	04J07	TUBE Ø4 & TUBE Ø7	
⑤	04J06	TUBE Ø4 & TUBE Ø6	
⑥	06JI06	TUBE Ø4 & I.D Ø6(Barb type)	
⑦	06JI07	TUBE Ø4 & I.D Ø7(Barb type)	
⑧	07JI07	TUBE I.D Ø7(Barb type)	

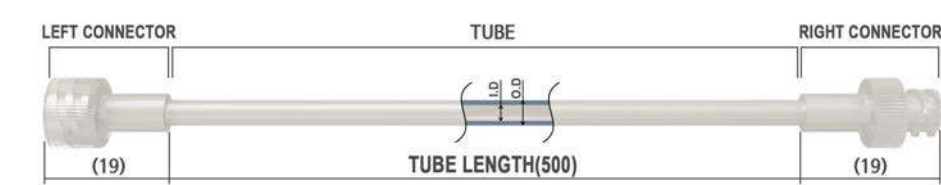
LUER EXTENSION TUBE(LET) LINE-UP

The LET Series is an extension tube lineup designed for connecting material supply lines in dispensing systems. Made of polyethylene (PE), the tubes are equipped with molded Luer Lock fittings on one or both ends for easy connection. With a maximum operating pressure of 1.0 MPa, the series is available in various specifications to meet a wide range of dispensing applications. Produced through TAEHA's in-house mold manufacturing system, the tubes are standardized and mass-produced under strict quality control. Thanks to their excellent chemical resistance and durability, the LET Series ensures stable and cost-effective operation.

Spec.Table

Type	Tube Size (I.D - O.D)	Pressure	Bending Radius	Temperature	Material	Color
LET2.5	Ø1.5 - Ø2.5	1.0MPa	25mm	-30°C ~ 70°C	PE	TL : Translucence(STD) BL : Black(UV block)
LET4	Ø2.5 - Ø4.0	1.0MPa	25mm			

Naming Rules



LET4 - ML - 500 - FL - ()

Tube type Left connector Tube Length* Right connector

TL : Translucence
BL : Black

*Tube Length STD(mm) : 100, 300, 500, 700, 1000
Please consult with our staff for specification other than the standard type.

Shape



Male Luer-Lock(ML) :
Using for needle



Female Luer-Lock(FL) :
Using for barrel

Static Mixer Adapter (Swivel) Used for connecting needles or ADV-4 to static mixer.

Static Mixer SMA ADV-6 / ADV-4 / Needle

〈 Model Naming Rules 〉

SMA - F 06 T - 1/4

Static Mixer Adapter

Inlet	Inner Dia. (Nominal)	Outlet	Adapter Outlet
B	06	T	None → Luer Slip
F	08	L	LL → Luer lock
	10	D	1/4 → ADV-4 1/4"
	13		3/8 → ADV-4 3/8"

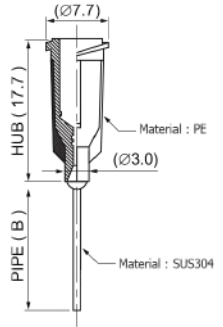
Static Mixer

» **PN (Plastic Hub Needle) Series** General-purpose needles feature a PE hub and a stainless-steel dispensing tip. The threaded design ensures a secure and reliable connection.



PN - 13G - 1/2

Needle type Gauge Pipe length (inch)



(Unit : mm)

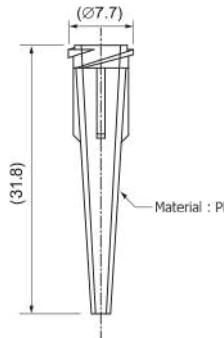
Gauge	PN 1/4"	PN 1/2"	PN 1"	PN 1.5"	Hub Color	I.D (±0.01mm)	O.D (±0.02mm)
	B=6.35mm	B=12.7mm	B=25.4mm	B=38.1mm			
13G	PN-13G-1/4	PN-13G-1/2	PN-13G-1	PN-13G-1.5	Light Olive	1.65	2.10
14G	PN-14G-1/4	PN-14G-1/2	PN-14G-1	PN-14G-1.5	Olive	1.55	1.84
15G	PN-15G-1/4	PN-15G-1/2	PN-15G-1	PN-15G-1.5	Amber	1.36	1.65
16G	PN-16G-1/4	PN-16G-1/2	PN-16G-1	PN-16G-1.5	Dark Gray	1.20	1.63
17G	PN-17G-1/4	PN-17G-1/2	PN-17G-1	PN-17G-1.5	Clear	1.05	1.45
18G	PN-18G-1/4	PN-18G-1/2	PN-18G-1	PN-18G-1.5	Green	0.84	1.28
19G	PN-19G-1/4	PN-19G-1/2	PN-19G-1	PN-19G-1.5	Clear	0.70	1.05
20G	PN-20G-1/4	PN-20G-1/2	PN-20G-1	PN-20G-1.5	Pink	0.60	0.90
21G	PN-21G-1/4	PN-21G-1/2	PN-21G-1	PN-21G-1.5	Purple	0.51	0.81
22G	PN-22G-1/4	PN-22G-1/2	PN-22G-1	PN-22G-1.5	Bule	0.40	0.71
23G	PN-23G-1/4	PN-23G-1/2	PN-23G-1	PN-23G-1.5	Orange	0.33	0.63
24G	PN-24G-1/4	PN-24G-1/2	PN-24G-1	PN-24G-1.5	Light Grey	0.30	0.56
25G	PN-25G-1/4	PN-25G-1/2	PN-25G-1	PN-25G-1.5	Red	0.25	0.51
26G	PN-26G-1/4	PN-26G-1/2	PN-26G-1	PN-26G-1.5	Light Orange	0.24	0.45
27G	PN-27G-1/4	PN-27G-1/2	PN-27G-1	PN-27G-1.5	Clear	0.20	0.40
28G	PN-28G-1/4	PN-28G-1/2	PN-28G-1	PN-28G-1.5	Light Blue	0.17	0.35
30G	PN-30G-1/4	PN-30G-1/2	PN-30G-1	PN-30G-1.5	Lavendar	0.16	0.31
32G	PN-32G-1/4	PN-32G-1/2	PN-32G-1	PN-32G-1.5	Yellow	0.10	0.25
34G	PN-34G-1/4	PN-34G-1/2	PN-34G-1	PN-34G-1.5	Light Green	0.06	0.25
MOQ	50pcs / 1pkg	100pcs/1pkg	50pcs/1pkg	50pcs/1pkg			

» **TN (Tapered Needle) Series** A needle designed for fast dispensing of large volumes of high-viscosity liquids and liquids containing powder particles.



TN - 14G

Needle type Gauge



(MOQ = 50pcs/1pkg) (Unit : mm)

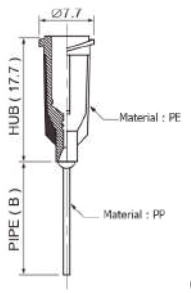
Gauge	Part No.	Color	UV (Black)	I.D
8G	TN-8G	Light purple	-	3.50±0.02
10G	TN-10G	Light green	-	3.00±0.02
11G	TN-11G	Lighr orange	-	2.50±0.02
13G	TN-13G	Light blue	-	2.00±0.02
14G	TN-14G	Olive	●	1.55±0.02
16G	TN-16G	Gray	●	1.20±0.02
18G	TN-18G	Green	●	0.84±0.02
20G	TN-20G	Pink	●	0.60±0.02
22G	TN-22G	Blue	●	0.41±0.02
25G	TN-25G	Red	●	0.25±0.02
27G	TN-27G	Clear	●	0.20±0.02
30G	TN-27G	Light purple	-	0.16±0.05

» **FN (Flexible Needle) Series** Suitable for products prone to component damage or for use with anaerobic materials.



FN - 14G - 1/2

Needle type Gauge Pipe length (Inch)



(MOQ = 50pcs/1pkg) (Unit : mm)

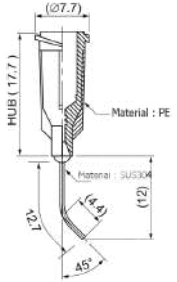
Gauge	FN 1/2"	FN 1"	Hub Color	I.D	O.D
	B=12.7mm	B=25.4mm			
14G	FN-14G-1/2	FN-14G-1	Dark Olive	1.55	2.03
15G	FN-15G-1/2	FN-15G-1	Brown	1.30	1.80
18G	FN-18G-1/2	FN-18G-1	Green	0.84	1.35
20G	FN-20G-1/2	FN-20G-1	Pink	0.60	1.02
22G	FN-22G-1/2	FN-22G-1	Blue	0.40	0.81
25G	FN-25G-1/2	FN-25G-1	Red	0.30	0.81

» **AN (Angled Needle) Series** Suitable for products where vertical dispensing is difficult, or for side dispensing applications.



AN - 14G - 45

Needle type Gauge bending angle



(MOQ = 50pcs/1pkg) (Unit : mm)

Gauge	AN 1/2"	AN1"	Hub Color	I.D	O.D
	B=12.7mm	B=25.4mm			
14G	AN-14G-45	AN-14G-45	Dark Green	1.50	1.82
15G	AN-15G-45	AN-15G-45	Brown	1.37	1.82
18G	AN-18G-45	AN-18G-45	Green	0.84	1.27
20G	AN-20G-45	AN-20G-45	Pink	0.60	0.91
21G	AN-21G-45	AN-21G-45	Purple	0.51	0.82
22G	AN-22G-45	AN-22G-45	Blue	0.41	0.71
23G	AN-23G-45	AN-23G-45	Orange	0.33	0.63
25G	AN-25G-45	AN-25G-45	Red	0.25	0.52
27G	AN-27G-45	AN-27G-45	Clear	0.20	0.41
30G	AN-30G-45	AN-30G-45	Lavender	0.15	0.31

» **BN (Brush Needle) Series** Suitable for surface and wide-area coating, with non-shedding, anti-static bristles. Applicable to a wide range of materials such as primers, coatings, lubricants, solvents, thermal compounds, silicones, and inks.



BN - 14G - 4RS

Model Brush Length Brush Shape Brush Hardness Brush Material

(Unit : mm)

Model	Brush Length	Brush Shape	Brush Hardness	Brush Material
BN-14G-4RS	4 mm	Round	Soft	PP
BN-15G-4RS	4 mm	Round	Soft	PP
BN-18G-4RS	4 mm	Round	Soft	PP
BN-21G-4RS	4 mm	Round	Soft	PP
BN-14G-6RS	6 mm	Round	Soft	PP
BN-15G-6RS	6 mm	Round	Soft	PP
BN-18G-6RS	6 mm	Round	Soft	PP
BN-21G-6RS	6 mm	Round	Soft	PP
BN-14G-7RS	7 mm	Round	Soft	PP
BN-14G-7FS	7 mm	Flat	Soft	PP
BN-15G-7FS	7 mm	Flat	Soft	PP
BN-18G-7FS	7 mm	Flat	Soft	PP
BN-21G-7FS	7 mm	Flat	Soft	PP

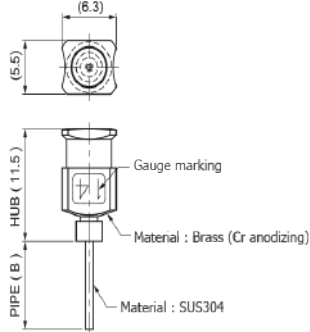
» **MN (Metal Needle) Series** Features include various lengths, precisely cut needle tips, and a burr-free structure. Ensures stable dispensing volume.



MN - 14G - 1/2

Needle type Gauge Pipe length (Inch)

Material : Brass (Cr anodizing)
Material : SUS304



(Unit : mm)

Gauge	MN 1/4"	MN 1/2"	MN 1"	MN 1.5"	I.D (mm)	O.D (mm)
	B=6.35mm	B=13.0mm	B=25.4mm	B=38.1mm		
12G	MN-12G-1/4"	MN-12G-1/2"	MN-12G-1"	MN-12G-1.5"	2.40	2.76
13G	MN-13G-1/4"	MN-13G-1/2"	MN-13G-1"	MN-13G-1.5"	1.99	2.40
14G	MN-14G-1/4"	MN-14G-1/2"	MN-14G-1"	MN-14G-1.5"	1.50	1.82
15G	MN-15G-1/4"	MN-15G-1/2"	MN-15G-1"	MN-15G-1.5"	1.37	1.82
16G	MN-16G-1/4"	MN-16G-1/2"	MN-16G-1"	MN-16G-1.5"	1.20	1.63
17G	MN-17G-1/4"	MN-17G-1/2"	MN-17G-1"	MN-17G-1.5"	1.04	1.50
18G	MN-18G-1/4"	MN-18G-1/2"	MN-18G-1"	MN-18G-1.5"	0.84	1.27
19G	MN-19G-1/4"	MN-19G-1/2"	MN-19G-1"	MN-19G-1.5"	0.70	1.05
20G	MN-20G-1/4"	MN-20G-1/2"	MN-20G-1"	MN-20G-1.5"	0.60	0.91
21G	MN-21G-1/4"	MN-21G-1/2"	MN-21G-1"	MN-21G-1.5"	0.51	0.82
22G	MN-22G-1/4"	MN-22G-1/2"	MN-22G-1"	MN-22G-1.5"	0.41	0.71
23G	MN-23G-1/4"	MN-23G-1/2"	MN-23G-1"	MN-23G-1.5"	0.33	0.63
24G	MN-24G-1/4"	MN-24G-1/2"	MN-24G-1"	MN-24G-1.5"	0.30	0.56
25G	MN-25G-1/4"	MN-25G-1/2"	MN-25G-1"	MN-25G-1.5"	0.25	0.52
26G	MN-26G-1/4"	MN-26G-1/2"	MN-26G-1"	MN-26G-1.5"	0.24	0.45
27G	MN-27G-1/4"	MN-27G-1/2"	MN-27G-1"	MN-27G-1.5"	0.20	0.41
28G	MN-28G-1/4"	MN-28G-1/2"	MN-28G-1"	MN-28G-1.5"	0.19	0.39
30G	MN-30G-1/4"	MN-30G-1/2"	MN-30G-1"	MN-30G-1.5"	0.15	0.31

(MOQ = 12pcs/1pkg)

» **Needle Guide Series**

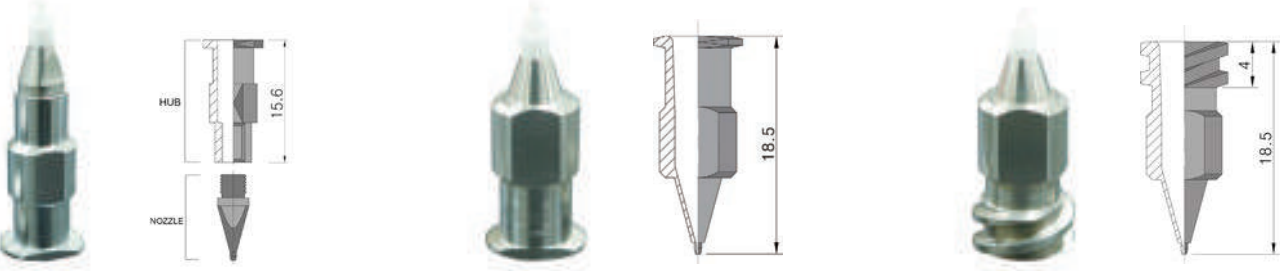


* Material : Stainless Steel 304

- Designed to hold needles securely.
- Available for PN/MN/TN types, offered in multiple gauge sizes.
- Marking format: P/M/TNG - G (Gauge)
- Optional custom guides in special materials (contact sales).

Model		
PNG	MNG	TNG
For PN Series	For MN Series	For TN Series
PNG-13G	-	-
PNG-14G	-	TNG-14G
PNG-15G	-	-
PNG-16G	-	TNG-16G
PNG-17G	-	-
PNG-18G	-	TNG-18G
PNG-19G	-	-
PNG-20G	-	TNG-20G
PNG-21G	MNG-21G	-
PNG-22G	MNG-22G	TNG-22G
PNG-23G	MNG-23G	-
PNG-24G	MNG-24G	-
PNG-25G	MNG-25G	TNG-25G
PNG-26G	MNG-26G	-
PNG-27G	MNG-27G	TNG-27G
PNG-30G	-	-

» **PCN (Precision Nozzle) Series** Equipped with a ceramic tip for high precision, reliability, and ultra-fine dispensing.



· Hub and nozzle tip are separable, enabling easy tip replacement in case of clogging or breakage.

· The taper type features an integrated hub and nozzle tip structure. It offers excellent material flow and enables ultra-precise dispensing.

· With a screw-type coupling and an integrated hub-and-nozzle tip structure, the design offers convenient assembly with other components while ensuring ultra-precise dispensing.

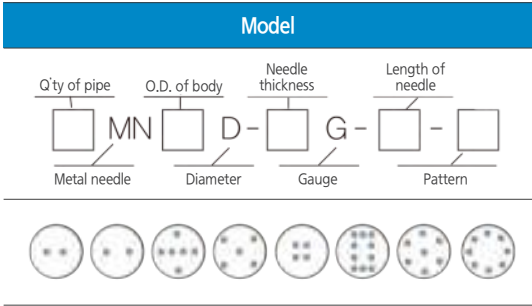
Nozzle Tip	Model			I.D (mm)	O.D (mm)
	PCNA	PCNB	PCNC		
Ceramic	PCNA-007	PCNB-007	PCNC-007	0.07	0.15
	PCNA-010	PCNB-010	PCNC-010	0.10	0.20
	PCNA-015	PCNB-015	PCNC-015	0.15	0.25
	PCNA-020	PCNB-020	PCNC-020	0.20	0.30
	PCNA-025	PCNB-025	PCNC-025	0.25	0.35
	PCNA030	PCNB-030	PCNC-030	0.30	0.40
	PCNA-035	PCNB-035	PCNC-035	0.35	0.45
	PCNA-040	PCNB-040	PCNC-040	0.40	0.50
	PCNA-045	PCNB-045	PCNC-045	0.45	0.55
	PCNA-050	PCNB-050	PCNC-050	0.50	0.60
Stainless Steel	PSNA-020	-	-	0.20	0.30
	PSNA-025	-	-	0.25	0.35
	PSNA-030	-	-	0.30	0.40
	PSNA-035	-	-	0.35	0.45
	PSNA-040	-	-	0.40	0.50
	PSNA-045	-	-	0.45	0.55
	PSNA-050	-	-	0.50	0.60
	PSNA-060	-	-	0.60	0.70
	PSNA-070	-	-	0.70	0.80
	PSNA-080	-	-	0.80	0.90
	PSNA-090	-	-	0.90	1.00
	PSNA-100	-	-	1.00	1.10
	PSNA-120	-	-	1.20	1.30

» 2PIN, 3PIN Needle Series Enhances dispensing time and process efficiency with simultaneous 2- or 3-point dispensing. Pipe configurations, including inner diameter and length, can be customized to meet your specific requirements.

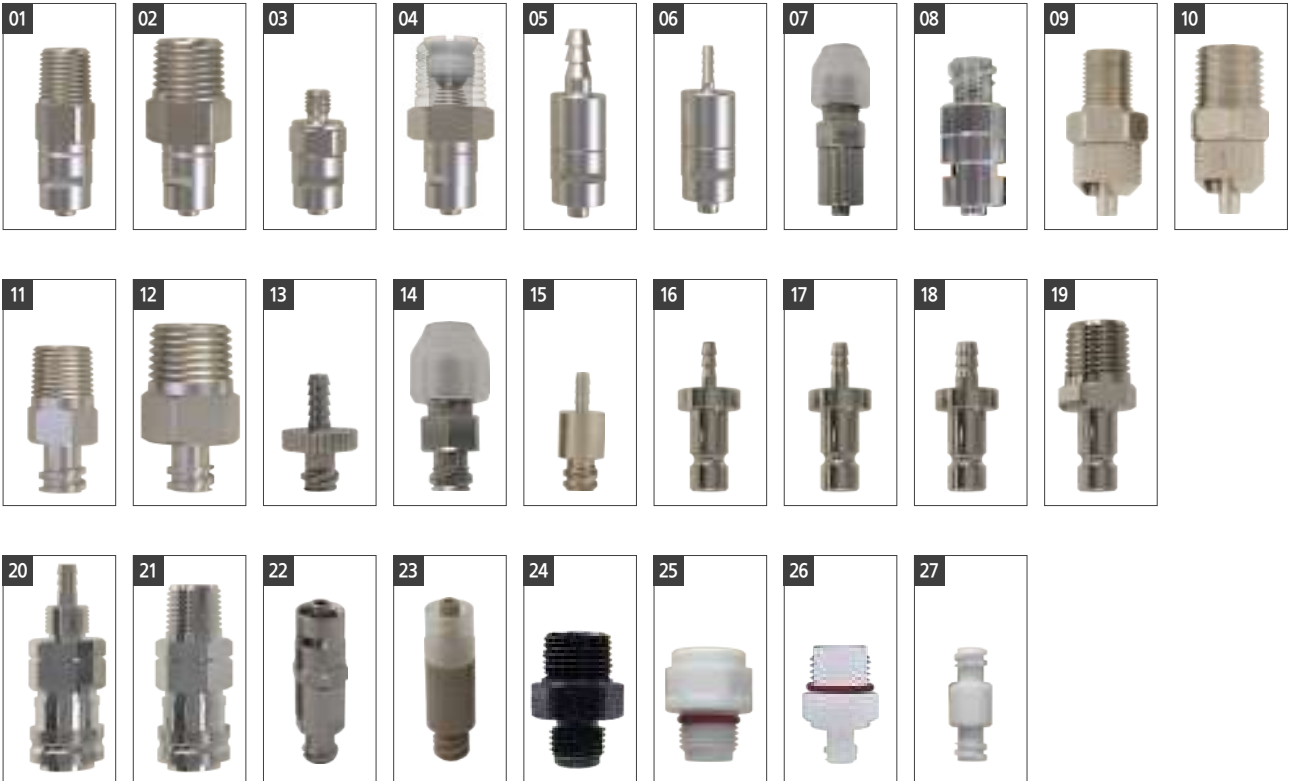


* Material : Stainless Steel 304

» SN (Shower Needle) Series Multi-point dispensing in a single shot shortens dispensing time and increases process efficiency. Pipes can be customized in inner diameter and length according to customer requirements.



» SLIT Nozzle Series An optimized solution for uniform and precise dispensing over wide areas. Applicable to various processes such as OCR and TIM. Customized design and manufacturing available, tailored to process conditions and material properties. (For design and manufacturing inquiries, please contact our sales representative.)



No.	PART NAME	PART#	DESCRIPTION	MATERIAL	REMARK
1	NEEDLE ADAPTER	NA-T1-SUS	BSPT1/8	Stainless Steel303	
2	NEEDLE ADAPTER	NA-T2-SUS	BSPT1/4	Stainless Steel303	
3	NEEDLE ADAPTER	NA-M5-SUS	M5	Stainless Steel303	
4	NEEDLE ADAPTER	NA-T2-CHK	BSPT1/4 CHECK V/V TYPE	Stainless Steel303	
5	NEEDLE ADAPTER	NA-H4	BARB TYPE Ø6 HOSE	Stainless Steel303	
6	NEEDLE ADAPTER	NA-H2	BARB TYPE Ø4 HOSE	Stainless Steel303	
7	NEEDLE ADAPTER	NA-T1-H2	BSPT1/8, Ø4 TEFLON HOSE	Stainless Steel303	Sleeve, Nut
8	NEEDLE ADAPTER	NA-LL	LUER LOCK TYPE	Stainless Steel303	
9	NEEDLE ADAPTER	SNA-T1-SUS	TO SHOWER NEEDLE, BSPT1/8	Stainless Steel303	
10	NEEDLE ADAPTER	SNA-T2-SUS	TO SHOWER NEEDLE, BSPT1/4	Stainless Steel303	
11	LUER LOCK ADAPTER	LLA-T1	LUER LOCK TYPE, BSPT1/8	Stainless Steel303	
12	LUER LOCK ADAPTER	LLA-T2	LUER LOCK TYPE, BSPT1/4	Stainless Steel303	
13	LUER LOCK ADAPTER	LLA-H4	LUER LOCK TYPE, Ø6 HOSE	Stainless Steel303	
14	LUER LOCK ADAPTER	LLA-T1-H2	LUER LOCK TYPE, BSPT1/8, Ø4 HOSE	Stainless Steel303	Sleeve, Nut
15	LUER LOCK ADAPTER	LLA-H2	LUER LOCK TYPE, Ø4 HOSE	Stainless Steel303	
16	AUTO JOINTER	PH-H2	PLUG, Ø4-2.5 AIR HOSE	Stainless Steel303	
17	AUTO JOINTER	PH-H3	PLUG, Ø6-3.5 AIR HOSE	Stainless Steel303	
18	AUTO JOINTER	PH-H4	PLUG, Ø6-4 AIR HOSE	Stainless Steel303	
19	AUTO JOINTER	PM-T2	PLUG, BSPT1/4	Stainless Steel303	
20	AUTO JOINTER	SHN-H4	SOCKET, FEMALE, Ø6-4 AIRHOSE	Stainless Steel303	SOCKET SEAL : VITON
21	AUTO JOINTER	SM-T2	SOCKET, FEMALE, BSPT1/4	Stainless Steel303	SOCKET SEAL : VITON
22	CHECK VALVE	CHK-LL-SUS	CHECK V/V, LUER LOCK TYPE	Stainless Steel303	
23	CHECK VALVE	CHK-LL-PEEK	CHECK V/V, LUER LOCK TYPE	PEEK	
24	CARTRIDGE ADAPTER	CA-T3	BSPT3/8	POM	
25	CARTRIDGE ADAPTER	CA-NT2-POM	NPT 1/4	POM	
26	CARTRIDGE ADAPTER	CA-LL	CARTRIDGE to BARREL	POM	
27	BARREL to BARREL ADAPTER	-	BARREL to BARREL	ACETAL	

Inline Automatic Dispenser System Optimized for Various Materials and Processes

The PRO'S 100 is a high-precision inline dispenser system that accommodates a wide range of materials, including urethane, silicone, epoxy, acrylic, and UV. It is designed for complex processes such as Conformal Coating, Under-fill/Side-fill, Dam & Fill, UV Bonding, Epoxy Molding, and TIM.

It supports various options for precise and convenient dispensing, including a variable-width conveyor for transporting and aligning products of different sizes. It also features vision-based auto-correction, CAD data teaching, and automatic needle correction and cleaning functions.

The system can be flexibly configured according to your work environment and product specifications by choosing the optimal dispenser module, vision system, and conveyor type. The standard control method is PC control via a touch monitor.

» Features

- Compatible with various materials and processes
- Delivers high-precision dispensing
- Flexible dispenser modules and system configuration
- Intuitive control system
- Compact design

Section	Item	Specification	Note
Equipment	Size(WxDxH)	1210 x 1210 x 1700 (mm)	
	Pass Line	850 ± 50 (mm)	
	Conveyor Length	1200 mm	
	Controller	PC(C++), 24" Wide Monitor	
	Exhaust	Ø100, Normal type	
	Power / Air	220V AC50/60Hz, Max. 0.5MPa	
Dispenser	Purge	Paper cup	
	Dipping & Cleaning	Ultra Sonic Cleaner	
	Needle Center Point	Applying by case	
	Needle Align Sensor	Optical sensor	
	Black(UV) Light	For visual inspection of dispensing	for Conformal Coating
	Process	Coating/Gap filler/Molding/Sealant/Jetting etc	Precision process : Lift chuck required
	Vision Teaching & Align	Vision camera	
Robot	X,Y,Z axis	Servo & Ball screw	
	Portable Load	10kg	
	Speed	Max.500~1000mm/sec	
	Repeatability	± 0.02 mm	G7 grade standard
	Max.Dispensing area	600(X) x 500(Y) x 100(Z) (mm)	Single type
Conveyor	Belt type	Timing belt(Polyurethane)	
	Operation direction	Left → Right	based on operator
	Width adjustment	Auto (Servo motor)	
	Max. Feeding area	Max. 400(W) x 420(D) (mm)	
	Product size (width variable)	150 ~ 420mm	
	Motor	Geared motor	
Optional	2-Head - Fix/Pitch variable, Dispenser Tilt & Rotate, Up-down Lift Chuck, Reverse module(reverse), Barcode scanning Material circulation system, Heating for tank&hose, MES, Ionizer(for the prevention of static electricity.) Flow monitoring, Laser application width measuring device, Material switching system		



Dispensing under vacuum conditions enables simultaneous material dispensing and degassing.
Delivers bubble-free, flawless dispensing within the dispensing chamber.

DSiV-1C



» Features

- Dispensing in a vacuum environment enhances product quality and ensures structural integrity, delivering superior results.
- Vacuum dispensing provides highly efficient degassing for flawless results.
- A programmable vacuum/dispensing cycle allows users to freely adjust dispensing conditions to match their products.
- A single-chamber vacuum system is also available for small-batch production and research use.
- High-precision digital vacuum gauges ensure accurate pressure monitoring and control inside the chamber.
- An anti-drip valve prevents material dripping during vacuum operation.
- A dedicated camera enables real-time monitoring of the dispensing and degassing process.

DSiV-3C



Item	Specifications	Note
Vacuum Chamber Size(WxDxH)	800(W) x 1400(D) x 880(H) [mm] (C.B.C)	In/Outlet
	1200(W) x 1400(D) x 880(H) [mm] (C.B.C)	Dispenser
Vacuum Level	-50.0kPa ~ -80.0kPa	-101.3kPa(g)
Main Controller	PLC	
Operating Method	Touch Panel, Teaching Pendant	
Dispensing Robot	3-Axis Cartesian Robot (St.=X450, Y=500, Z:80[mm])	[Maker] X-Y Axis : ROBOSTAR Z-axis : TAEHA Belt conveyor : TAEHA
	LM Guide & Ball Screw	
Repeatability	± 0.02 mm	
Anti Drip	Anti Drip Valve	Air cylinder type
Purge	Purge cup over flow sensor	capacitive sensor
Dry Air	0.5~0.6MPa (5~6 bar)	One touch fitting (Ø8)
Power	3P, AC220V 50/60Hz 9kW	Case by case
Vacuum Pump	VSV-100 (100/120m³/h)	VALUE Vacuum
Size	3000(W) x 1400(D) x 1750(H) [mm]	DSiV-3C
	1200(W) x 1400(D) x 1750(H) [mm]	DSiV-1C

RDU-200

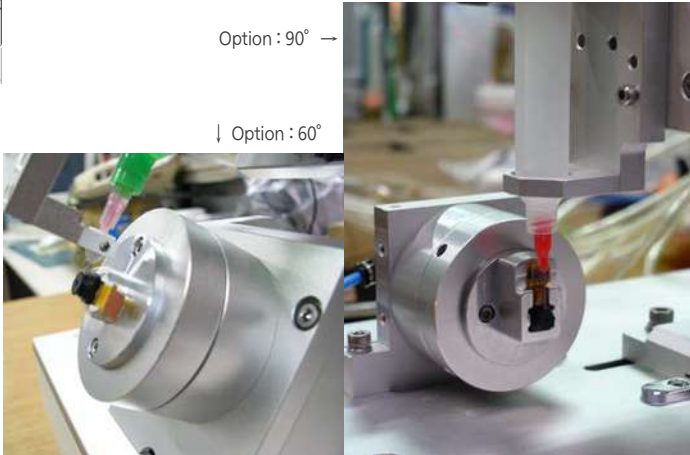
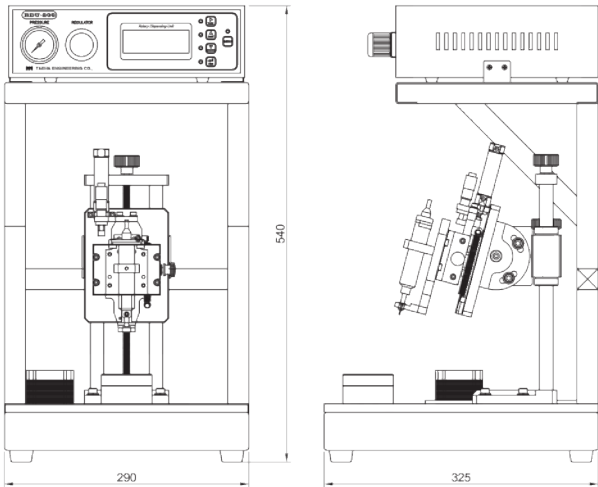
A cost-effective, versatile system developed for various circular dispensing applications.



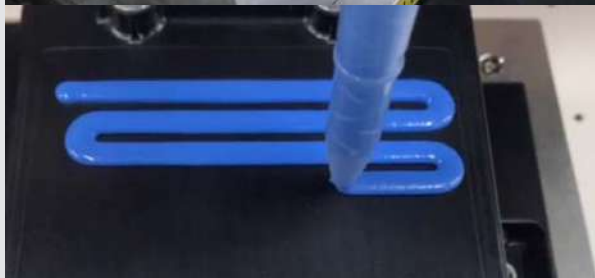
RDU-200

- Dedicated circular dispensing system: rotates the workpiece on a turntable and dispenses fluid materials along the circumference with precise volume control.
- A single input signal automatically controls drive, movement, vertical motion, rotation, and stop, ensuring stable circular dispensing.
- The RDU-200 integrates our proprietary material control technology and expertise, delivering the highest-quality circular dispensing with ease.
- Equipped with an electronic vacuum function to prevent dripping after dispensing.
- Micrometer adjustment on the UP/DOWN unit allows fine-tuning with high precision.
- Compact design for easy installation.

Power	AC220VAC, 50/60Hz, 250VA
Controller	Microprocessor
Display	20x4 Dot Matrix Screen
Driving device	Stepping Motor
Vacuum	Electronically Driven Vacuum
Air Cylinder	30mm stroke (Up-down)
Turn Table	Min 10 rpm ~ Max 300 rpm
Shot Range	Ø150
Size(WxDxH)	290x325x540(mm)
Weight	15kg



Automotive
Bio
Electronic
Electrical
Chemical
Cosmetic
Display
Machinery
Semiconductor



 **TAEHA Corporation**
Professional Quality in Liquid Dispensing

The TFM Series is a high-precision filling system that fills various industrial containers with materials, achieving a precision of $\pm 1\%$ and a bubble-free finish. Backed by long-standing dispensing expertise, Taeha provides integrated management from design to manufacturing. This approach ensures an optimal filling solution that delivers both precision and stability.



The TFM Series is designed to achieve void-free, accurate, and uniform filling. It provides a simple and efficient work environment, ensuring a stable and consistent filling process with a lineup of dispensing devices tailored to various material conditions.

Going beyond simple material transfer, this high-precision system safely injects the set amount at an optimal speed. This prevents over- or under-filling, ensuring consistent quality.

The automated system supports intuitive control and simple setup, while real-time monitoring of the injection status maximizes operational reliability. Its simple structural design makes operation and maintenance easy, enhancing overall user convenience.



» BARREL FILLING (Single-process type)



Size (WxDxH)	600 x 660 x 1000 (mm)
Power	AC220V, 50/60Hz, 700W
Operation	PLC, 7" Touch Monitor, Switch
Air Pressure	0.5MPa, Ø6
Application	1K Barrel 5cc, 10cc, 30cc, 50cc
Filling type	Outlet Bottom
Viscosity	1,000 ~ 1,000,000 cP



» BARREL FILLING (4-process type)



Size (WxDxH)	400 x 400 x 900 (mm)
Power	AC220V, 50/60Hz, 700W
Operation	PLC, Switch
Air Pressure	0.5MPa, Ø6
Application	1K Barrel 10cc, 30cc, 50cc, 70cc (4-process)
Filling type	Outlet Bottom
Viscosity	1,000 ~ 1,000,000 cP



» INDEX TUBE FILLING



Size (WxDxH)	1100 x 1100 x 1600 (mm)
Power	AC220V, 50/60Hz, 1.2kW
Operation	PLC, 7" Touch Monitor, Switch
Air Pressure	0.5MPa, Ø6
Application	The form of tube
Filling type	Inlet Top
Viscosity	1,000 ~ 1,000,000 cP



» 1K CARTRIDGE FILLING (3-process type)



Size (WxDxH)	770 x 500 x 1200 (mm)
Power	AC220V, 50/60Hz, 700W
Operation	PLC, 7" Touch Monitor, Switch
Air Pressure	0.5MPa, Ø6
Application	1K Cartridge 6oz(170cc) (3-process)
Filling type	Outlet Bottom
Viscosity	1,000 ~ 1,000,000 cP



» 2K CARTRIDGE FILLING (Dual-process type)



Size (WxDxH)	600 x 450 x 900 (mm)
Power	AC220V, 50/60Hz, 500W
Operation	PLC, 7" Touch Monitor, Switch
Air Pressure	0.5MPa, Ø6
Application	2K Cartridge 50cc
Filling type	Outlet Top
Viscosity	1,000 ~ 1,000,000 cP



» 2K CARTRIDGE FILLING (Desktop)



Size (WxDxH)	1280 x 900 x 1935 (mm)
Power	AC220V, 50/60Hz, 2kW
Operation	PLC, 7" Touch Monitor, Switch
Air Pressure	0.5MPa, Ø6
Application	2K Cartridge 50cc
Filling type	Inlet Top
Viscosity	1,000 ~ 1,000,000 cP



The collapsible ecopaCC cartridge offers an eco-friendly solution by making transportation easier and saving storage space. It is fully compatible with existing mixers and dispensers, without any impact on material quality or performance.



The TFM-EP Series is a dedicated filling system for ecopaCC® cartridges, providing the optimal solution for high-speed, accurate filling of various materials into sustainable cartridges. With a simple adapter change-no additional equipment modification required-it supports both 3:1 and 1:1 ratios as well as 600cc cartridges, creating an efficient work environment.

The automated design ensures easy setup and operation, while the intuitive control interface maximizes user convenience. Its streamlined structure simplifies operation and maintenance, and real-time monitoring of the filling process enhances stability and reliability.

In addition, the vacuum ejector is more compact and lightweight than conventional vacuum pumps, reducing energy consumption and simplifying maintenance, which significantly improves installation and operational efficiency.

» ecopaCC CARTRIDGE FILLING SYSTEM

Size (WxDxH)	550 x 350 x 835 (mm)
Power	AC220V, 50/60Hz, 700W
Operation	PLC, 7" Touch Monitor, Switch
Air Pressure	0.5MPa, Ø6
Application	2K ecopaCC Cartridge 600cc (1:1, 3:1)
Filling type	Outlet Top
Viscosity	1,000 ~ 1,000,000 cP

With over 30 years of expertise in dispensing and advanced motion control technology, we deliver fully customized factory automation dispensing solutions tailored to customer needs.

Desktop Robot (Semi-Automatic)



» Features

- Automated dot and line dispensing for various materials through programmable control
- A multifunctional desktop robot ideal for dispensing and assembly of electronic and small precision components
- Integrated mechanical and control unit design to minimize installation space



〈 PTC Heater Surface-Dispensing System 〉

Cartesian Robot (Automatic)



» Features

- Wide range of models available, selectable by working area and payload capacity
- Flexible configurations using single-axis modules combined in various forms
- Equipped with AC servo motors for simple control, high reliability, and easy maintenance
- Repeatability of ± 0.02 mm with payload options ranging from 21 kg to 100 kg



〈 Inline Automatic Dispensing System with Cartesian Robot 〉

Articulated Robot



» Features

- Utilizes sensors and vision technology to recognize and perform precise tasks
- Incorporates advanced safety features to minimize human error and potential risks
- Simplifies the management of complex and demanding work environments with the Workcell Manager
- Smart setup function automatically measures installation angle, tool position, and weight for fast installation and immediate deployment on site



〈 Oscillator Fixing Process Equipment 〉

SCARA Robot



» Features

- Achieves top-level cycle times with high-output AC servo motors and a rigid mechanical structure
- User-friendly software enables equipment settings and fine adjustments even during operation
- Independent Z- and R-axis motor control allows high-precision continuous path (CP) drive and simplified control

» Application

- Various processes such as dispensing, screw fastening, etc.

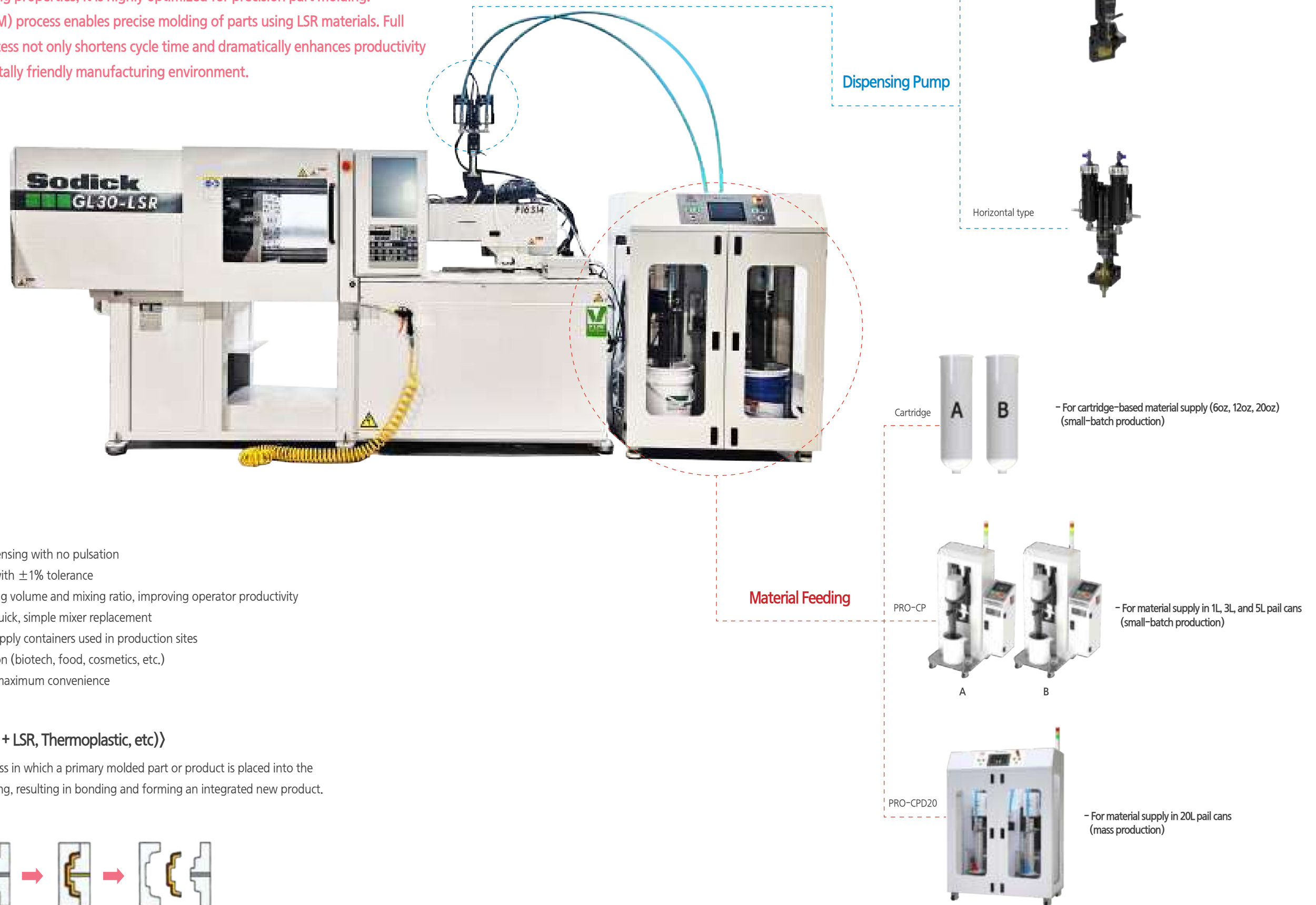


〈 Robotic Automated Quantitative Measurement System 〉

Liquid Silicone Rubber (LSR) is a thermosetting material that cures rapidly at high temperatures, offering exceptional heat resistance and flexibility.

It provides proven biocompatibility for applications in medical and infant products, and with outstanding chemical resistance and insulating properties, it is highly optimized for precision part molding.

The Liquid Injection Molding (LIM) process enables precise molding of parts using LSR materials. Full automation of the molding process not only shortens cycle time and dramatically enhances productivity but also ensures an environmentally friendly manufacturing environment.

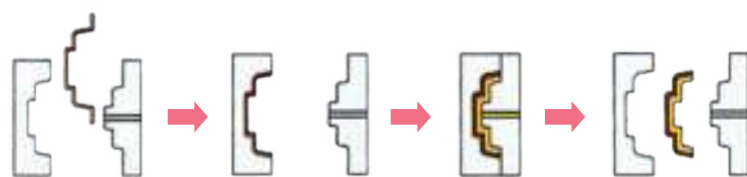


» Features

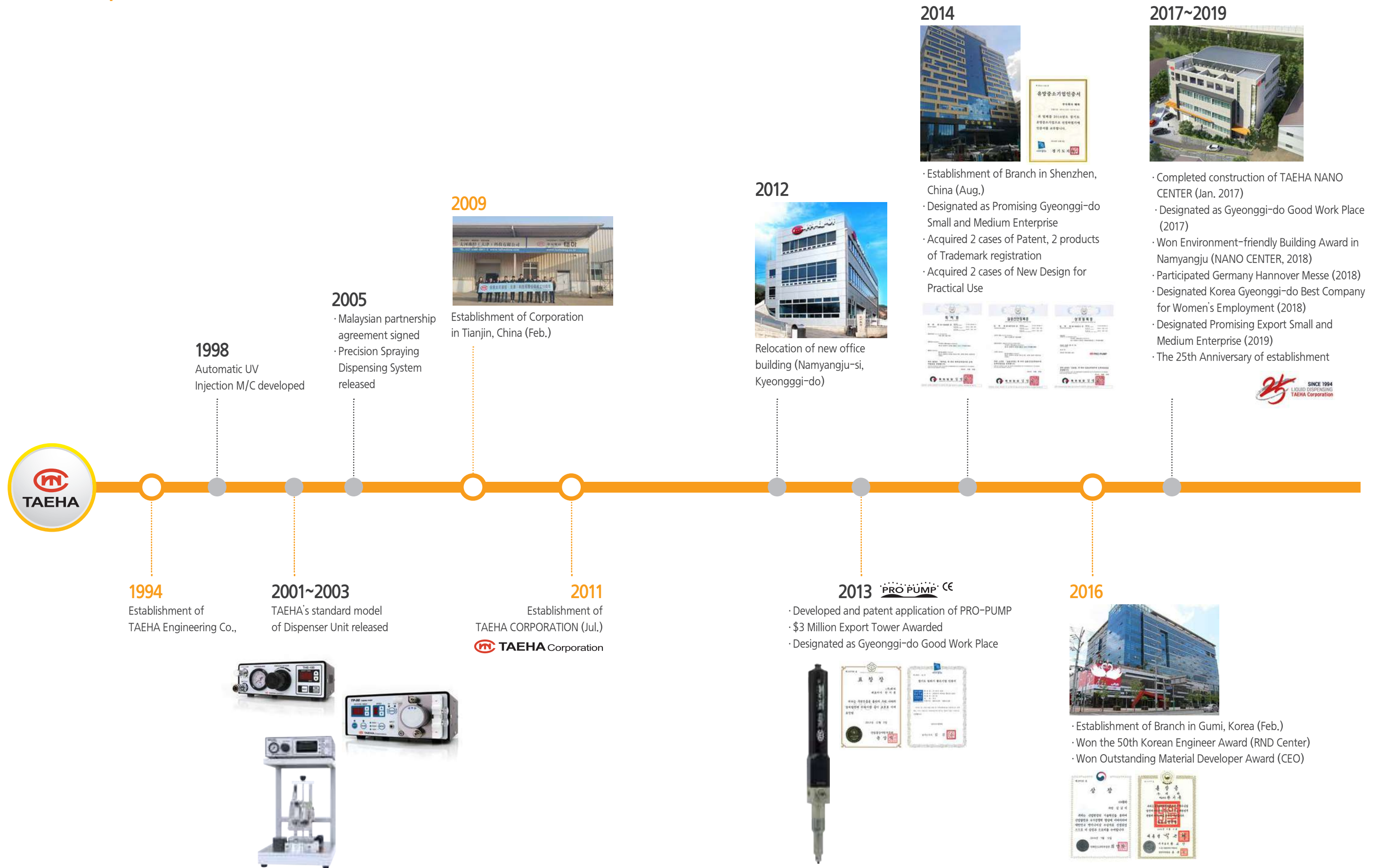
- Compact design ensures stable dispensing with no pulsation
- Highly precise and accurate dosing with $\pm 1\%$ tolerance
- Easy and precise control of dispensing volume and mixing ratio, improving operator productivity
- Minimizes material loss and allows quick, simple mixer replacement
- Flexible compatibility with various supply containers used in production sites
- Ideally suited for cleanroom operation (biotech, food, cosmetics, etc.)
- Easy maintenance and cleaning for maximum convenience

〈Double Injection Molding (LSR + LSR, Thermoplastic, etc)〉

A multi-stage injection molding process in which a primary molded part or product is placed into the mold and undergoes secondary molding, resulting in bonding and forming an integrated new product.



“From the past of TAEHA”



“Now and beyond of TAEHA”



2023

- 2023 Designated as Global SME 1,000+
- 2023 Completed construction of TAEHA NANO CENTER II
- 2023 \$10 Million Export Tower Awarded



2025

- 2025 Designated as Venture Enterprise
- 2025 Awarded the Ministerial Commendation from the Ministry of Trade, Industry and Energy

Challenging Precision Dispensing

Creating the Solutions of Tomorrow

2020-2021

- 2020 Designated as Youth-Friendly SME
- 2020 Designated as Technology Excellence Company
- 2020 Designated as Promising Gyeonggi-do Small and Medium Enterprise
- 2021 \$7 Million Export Tower Awarded



2024

- 2024 Designated as Youth-Friendly SME
- 2024 The 30th Anniversary of establishment
- 2024 Designated as Promising SME by the Ministry of Employment and Labor



TAEHA Corporation

The Leader in Dispensing Technology for an Advanced Future.
TAEHA is committed to continuous growth and development, striving to contribute to a sustainable future.

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- ◀ Technical Sales Dept.
- ◀ Production I Dept.
- ◀ Application Business Dept.

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- ◀ Quality Renovate Team
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- ◀ Production I, II Dept.
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