

made in JAPAN

日本製



MEISEIVC

Meisei Corporation 

—Specialists in the Manufacture of
Viscosity Controllers



Meisei

— a trusted, proven manufacturer specializing in viscosity controllers.

Meisei was the first manufacturer in the world to develop and commercialize the viscosity controller with a diaphragm pump. Ever since patenting the system and launching sales of viscosity controllers in 1987, Meisei has continuously gained experience and gathered data in the pursuit of developing viscosity controllers with greater accuracy, better quality, and longer service life.

This steady effort has resulted in many satisfied customers, both in Japan and abroad, who are using the viscosity controller.

Meisei is a specialist manufacturer of viscosity controllers. Our strengths lie in the wealth of sales experience, years of proven technology, and extensive after-sales support that only a specialist manufacturer can provide. Meisei will continue to be a market leader, offering our customers products and services that no other company offers.

営業 SALES

Based in Gifu Prefecture, our sales staff meet with customers in the world.

技術 TECHNOLOGY

Japanese products with made-in-Japan quality.

サポート SUPPORT

Customer inquiries are supported by our entire sales, manufacturing, and operations staff.

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粘度コントローラ



Benefits

Advantages of Using Viscosity Controllers in Managing Viscosity

- 1** **Reduced printing and coating defects**
Preventing printing defects helps improve quality and productivity.
- 2** **Savings on ink and paint costs**
Proper dilution prevents use of more ink than is necessary.
- 3** **Automation of production lines**
Automation allows reductions in line personnel and helps prevent printing defects due to human error.



*Upgraded model (newly released)

The viscosity controller controls a liquid's viscosity by decreasing the pump's pulsation rate as the viscosity increases, and increasing the pulsation rate as the viscosity decreases.



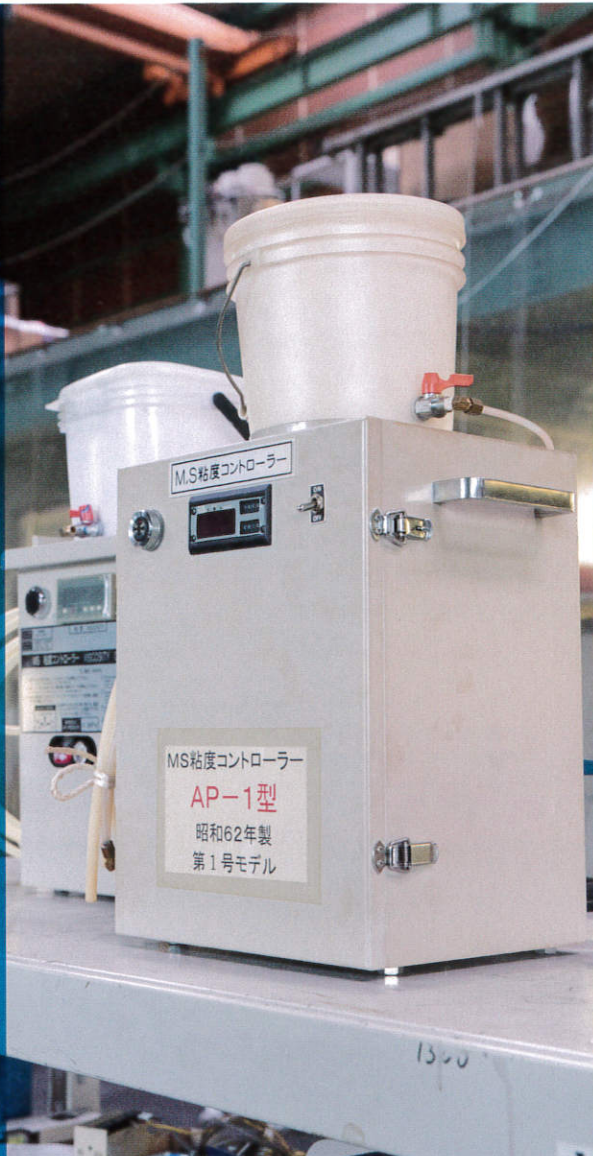
SINCE
1987

First in the world
to commercialize
the viscosity controller.

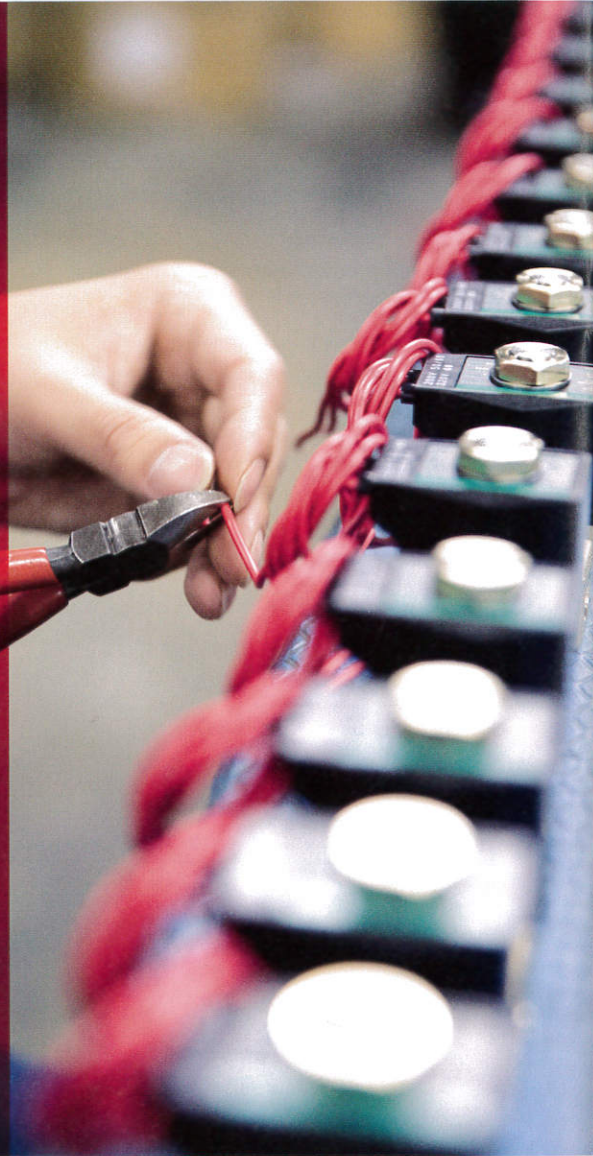


MEISEI VC Four Reasons for Recommendation

Assurance from the Developer



Uncompromising Japanese Quality



POINT 1

A specialized manufacturer who was the first to develop the viscosity controller.

We developed and patented the world's first diaphragm-pump viscosity controller in 1986. Since then, as a specialized manufacturer, Meisei has maintained top share for viscosity controllers in Japan with more than 80% of the domestic market.

These units are used widely in the gravure printing, flexographic printing, dry laminating, coating, marking, and painting industries. A total of 81 viscosity controller models are available to handle a wide variety of different fluids.

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POINT 2

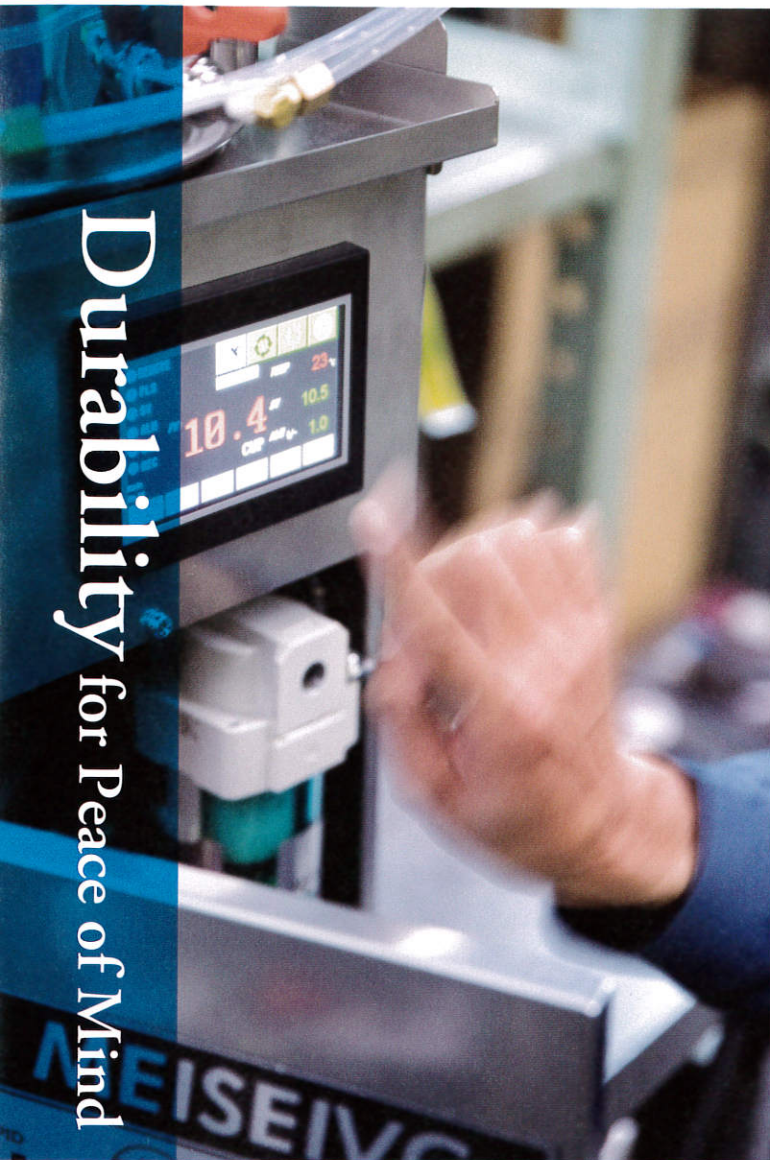
All facets of production, from designing and developing parts to assembly, are performed in Japan.

Our specialized viscosity controller parts are designed and developed in-house by Meisei engineers and manufactured entirely in Japan. We leverage our expertise acquired through achievements in over thirty years of development, enabling us to improve the durability and precision of all our components independently. This permits repairs in which just one part is replaced.

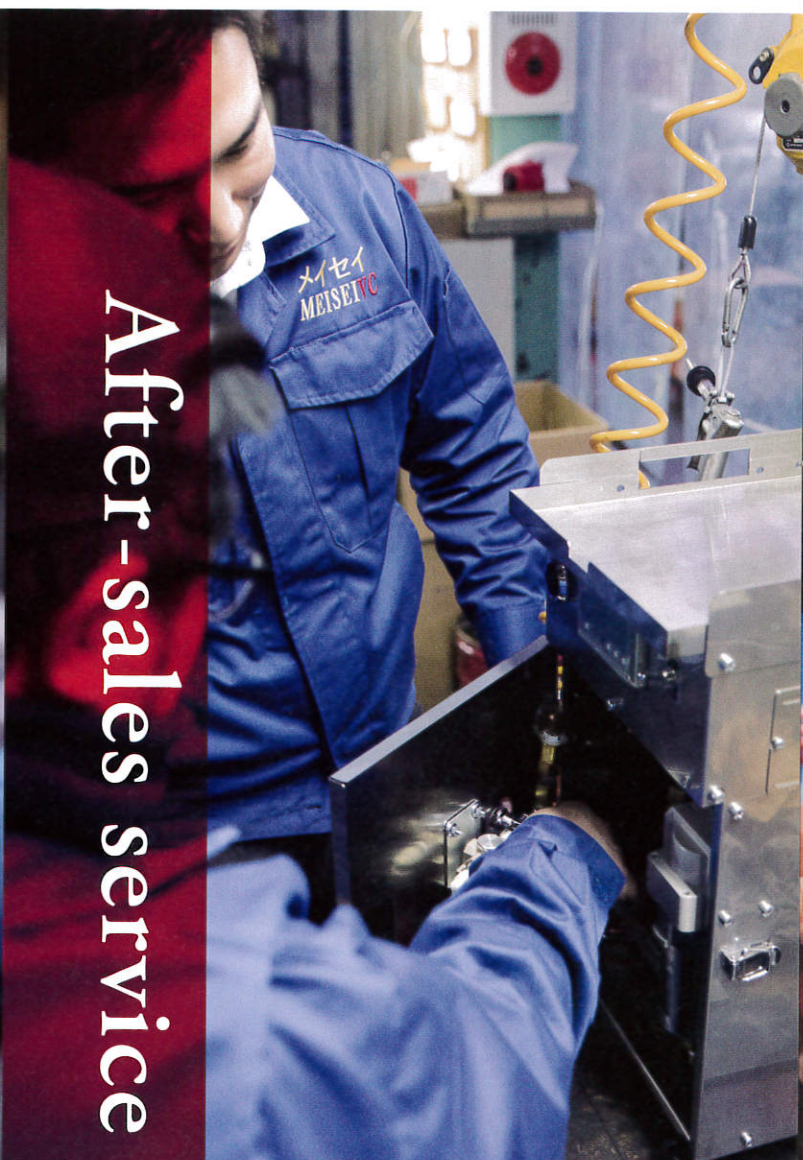
Maintaining the Japanese attitude of taking good care of things, we manufacture products that can be used over the long haul.

日本製

...ding Meisei Viscosity Controllers



Durability for Peace of Mind



After-sales service

POINT 3

Product development and improvement involves rigorous endurance tests.

The action of the pump—the heart of the viscosity controller—is crucial in maintaining stable performance and accuracy. For this reason, our viscosity controllers are commercialized only after we confirm their safety and reliability by subjecting our test viscosity controllers to continuous operation, 24 hours a day for 365 days. We're confident that where durability is concerned, we are second to none. Daily operation of the test machines leads to the improvement of current products and the development of new products. We maintain the will to improve as we constantly strive to make better products.

POINT 4

Distributors' Technicians Overseas Also Trained in Japan.

As a global, specialized manufacturer, we have established agents in various countries with staff trained at our head office in Japan. This ensures the same level of support abroad as in Japan. Specialist repair technicians disassemble the machines one unit at a time. Rather than using the cheaper method of swapping assemblies, our exacting repairs involve replacement of individual parts. In addition, we provide usage advice based on repair records maintained according to each serial number, as we strive to ensure our customers can enjoy worry-free use for many years to come.

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■ List of Viscosity Controller Models by Viscosity and Ink Usage

Viscosity range	Low viscosity	Standard viscosity	Flexo-ink viscosity	Medium viscosity	High viscosity
	← Thin Thick →				
Example Uses	<ul style="list-style-type: none"> ● Silicon ● LCD displays 	<ul style="list-style-type: none"> ● Gravure printing ● Adhesives 	<ul style="list-style-type: none"> ● Varnishes ● Flexographic inks 	<ul style="list-style-type: none"> ● Adhesives ● Glues ● Gaskets 	<ul style="list-style-type: none"> ● License plates ● Adhesives ● Bonding adhesives ● Hose markings
Viscosity range	Ultra-low viscosity	Standard-low viscosity	Medium viscosity		High viscosity
CPS	5 to 30 CPS	30 to 100 CPS	100 to 300 CPS		300 to 1000 CPS
Zahn Cup measuring	No.2: 26 to 30 sec.	No.3: 13 to 30 sec.	No.4: 13 to 30 sec.		No.5: 16 to 60 sec.
Iwata Cup measuring	NK-2: 7.7 to 8.4 sec.	NK-2: 8 to 22 sec.	NK-2: 22 to 64 sec.		

Amount of Sub tank ink	Models			
1ℓ		VA-03	VA-03-M	VA-03-P-H
2ℓ				VA-05-P-H
3ℓ				
5ℓ		VA-05	VA-05-M	
6ℓ				VA-10-P-H
8ℓ				
10ℓ	VA-10-P-L	VG-10	VA-10-M	
15ℓ				VA-15-P-H
18ℓ				
20ℓ	VA-15-P-L	VG-15	VA-15-M	
30ℓ				VA-20-P-H
35ℓ				
40ℓ		VG-20	VA-20-M	
50ℓ				
60ℓ				
70ℓ				
100ℓ				

■ Other Products



MS Filter

Removes dirt and iron powder from the ink, reduces doctor streaks and printing defects! Sack-type filter attaches to the pump's discharge port.



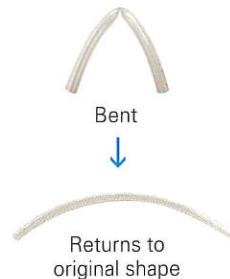
Sub-Tank Filter

Set above the tank, this filter removes foreign matter from ink as it returns to the tank.



Pneumatic Agitator

Agitates liquids using an air-driven motor. Available in four models: for cans, pails, and drums, and according to the tank's outer diameter.



Double-Structure Hose

Liquid delivery hose is solvent-proof, flexible, and kink-free.



Zahn Cup (Viscosity Meter) [Stainless Steel]

Simple instrument used for measuring viscosity of liquids. Cup (capacity approx. 43 mL) Orifice (hole) at bottom of cup Handle approx. 300 mm long

Q & A

Q1

Why are Meisei viscosity controllers more expensive than other brands?

A1

If our viscosity controllers were not so accurate and durable, they would be mere circulation pumps. To achieve that accuracy and durability, Meisei has accumulated over 30 years of research, which we use to improve every individual part of the viscosity controller. While this has enabled us to attain durability and accuracy incomparable with that of other companies, our use of special parts increases the cost of the main unit somewhat. However, considering the number of years they can be used after purchase, Meisei products are overwhelmingly less costly.

Q2

What is the difference between Meisei's automatic cleaning system and other companies'?

A2

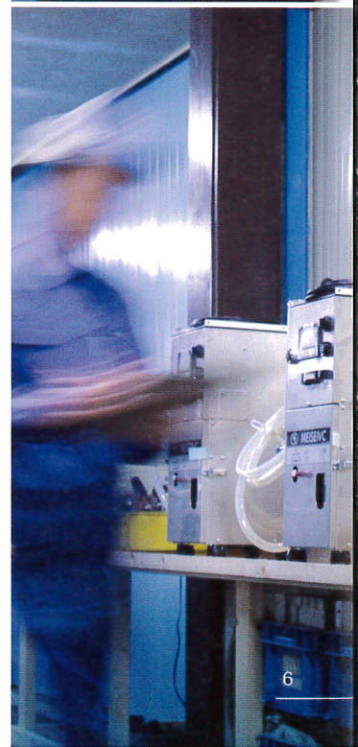
Meisei's automatic cleaning system was already operational twenty years ago. The current automatic cleaning system has been developed over the many years since then. In comparison with other companies' systems, this significantly reduces the amount of solvent used and the time required for cleaning.

Q3

Is it true that the oil tank becomes empty?

A3

At Meisei, we fully understand the importance of oil. With our latest models, not only have we enlarged the oil tank, we have also vastly improved the oil recovery rate to 99%, so the oil almost never is fully depleted.



MEISEI VC



Company's Profile

Company name: Meisei Corporation
Chairman: Katsuro Takahashi
President: Minoru Hasegawa
Established: July 21, 1983
Location: 762-8 Ima Aza Tatsuno, Kani-City,
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Contact: TEL: 0574-65-1666 FAX: 0574-65-1667
Business lines: manufacture and sales of MS viscosity controllers,
ink filters, ink stirring rods, and circulation pumps

Overseas Affiliated Companies

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