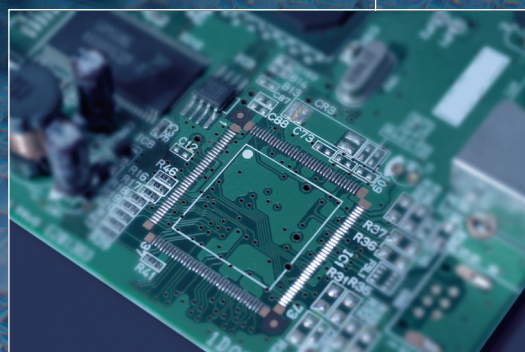


High Affinity with the Controller and High-Dimension Dispensing Control Achieved

Cutting-edge High-precision & Multi-function dispenser in the industry released!
 Easy and smooth coating via the communication between the machine and the external controller realized.

DS-3500

- ◆ Innovated automatic internal pressure compensation technology against the common sense in the industry.
Flow Matic™ installed (under patent application).



• Features of DS-3000 Series

DS-3500

- High-precision internal pressure automatic compensation achieved via the new-type "Flow Matic" technology.
- Internal pressure can be compensated by such simple operations like setting the viscosity of the liquid agent, size and length of the dispensing nozzle.
- The pressure setting is doubled compared to the previous model, with a wider range of coating viscosity.

Other Common Features (DS-3500/DS-3000)

- Stable dispensing can be achieved even upon long-time continuous operation.
- Easy setting of dispensing pressure and time (which can be done externally via a computer).
- Equipped with RS-232C or I/O parallel communication functions.
- Liquid dropping can be prevented via the automatic vacuum control.
- Configured with the function for monitoring the remained amount of the liquid agent in the cylinder

Equipped with Flow Matic™

NEW



Table Top Robot
Combination Example



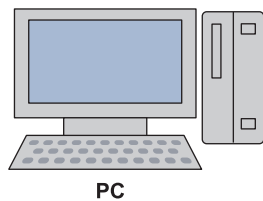
High-precision & Multi-function Dispenser

DS-3500

High-precision & Multi-function Dispenser

DS-3000 Series

The affinity with the machine controller

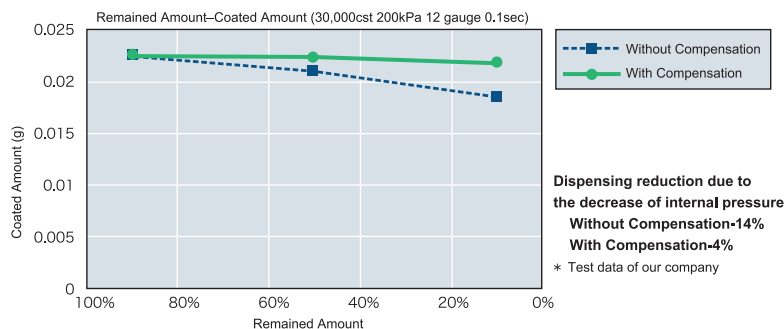


PLC

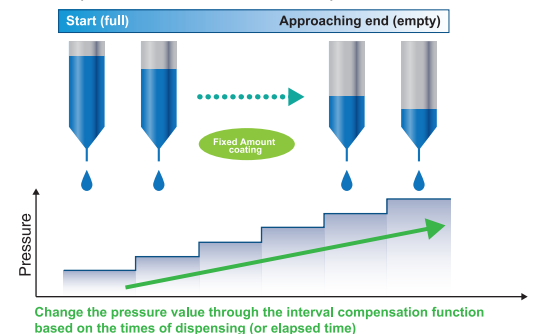
DS-3000 Series

Connected with PLC and PC, easy for external control
Simple programming can be achieved via the special software

High-precision dispensing can be achieved by the unique internal pressure compensation technology "Flow Matic™" of our company (only for DS-3500)



One-time setting of internal pressure simple compensation via the automatic uniform dispensing function (common for DS-3000 series)



DS-3500/DS-3000

Firstly-issued new-type automatic internal pressure compensation technology- Flow Matic™ (DS-3500)

Doubled pressure setting range against the previous model (DS-3500)

Automatic vacuum control

Temperature Compensation Function

Equipped with an air pressure stabilizing device

High-precision & Multi-function Dispenser DS-3500



High-functioning Dispenser DS-3000



DS-1000

Previous model: PDM1000S
General-Purpose Dispenser



Compact and Light Amount

Easy operation

Specification

Model	DS-3500	DS-3000
Mode	Pressed by air	←
Pressure adjustment range	0.0-800.0kPa at 0.1 kPa stage	0.0-490.0kPa at 0.1 kPa stage
Discharge time range (Internal switching)	0.010-99.999sec. (when the timer is set at the fixed-amount dispensing mode)	←
Vacuum pressure	0.0- -88.0kPa	0.0, -2.0 ~ -20.0kPa
Pneumatic circuit	Air pressure stabilization device	←
Adaptable viscosity	Low, medium and high viscosity	←
Dispensing mode	Fix-amount dispensing via timer/continuous dispensing	←
Special functions	<ul style="list-style-type: none"> •Liquid dropping prevention (function at vacuum stage) •Automatic internal pressure compensation ("Flow Matic™") •Simple internal pressure compensation (Interval compensation function) •Remained amount monitoring (Interval compensation function) •Viscosity compensation (Interval compensation function) •Temperature compensation (optional: temperature sensor required) •Digital display of supplied pressure (0 ~ 900kPa at 1kPa stage) •Air supply pressure monitoring (alarming upon low air supply pressure) 	← N/A ← ← ← ← N/A N/A
Serial communication	RS-232C(2400, 4800,9600,19200,38400bps)	←
Parallel communication	16 systems input and 7 systems output	←
Storage capability	100ch × 100 addresses	←
Input power	AC100-240V	←
Air supply	Max. 0.9MPa (discharging pressure + 100 kPa) pure air	Max. 0.7MPa (discharging pressure + 100 kPa) pure air
Working temperature range	+5 ~ +40 °C (no frosting)	←
Dimension	250(W) × 220 (D) × 100(H)mm (excluding protruding portion)	←
Weight	4.2kg	←
Options	Foot switch, temperature sensor, communication cable, setting software, sound eliminator and remote switch	←

ote: The specification will be subject to change without notice.

Standard Accessories of DS-3000 series

•Power cable •air outlet single-touch connector • I/O connector •Connector for foot switch

A Nidec Group Company

Nidec
—All for dreams—

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