

Photoresist dispensing pumps

PDS-105R

New

**High accuracy,
Compact size,
Low cost**



High accuracy

Repeatability of $\pm 0.3\%$ (F.S.) is obtained thanks to a stepping motor drive design.

Compact size

260mm in height (330mm for our existing pumps)
50mm in width (60mm for our existing pumps)

Low cost

The Increased number of molded plastic parts results in a reduced production cost.

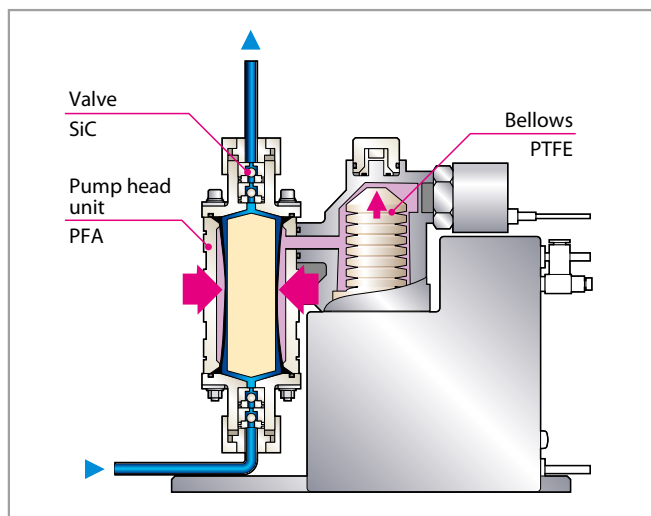
Contamination free

Optimized tube/phragm design eliminates the possibility of wear particle generation from sliding parts and the possibility of clotting that may occur in dead spaces.



Leading the Semiconductor Manufacturing Process With
Next Generation Fluid Handling Technology

Construction and materials



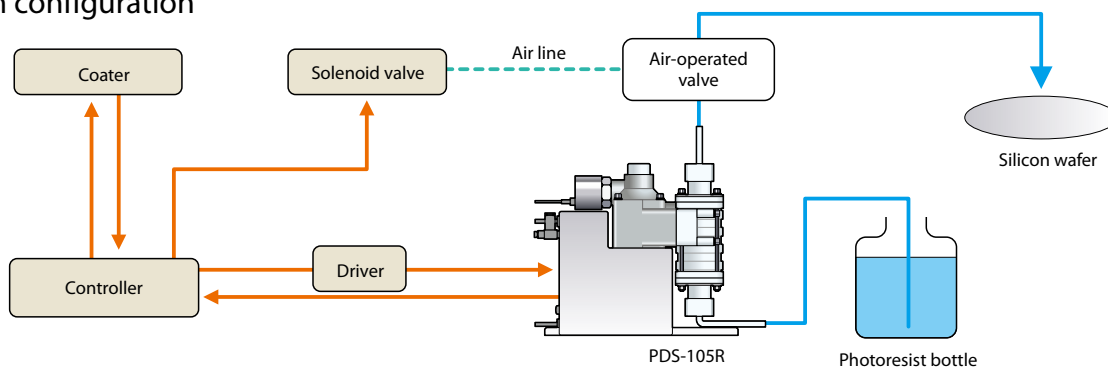
Specification

Model	PDS-105R
Max. discharge capacity	5.0 mL/shot
Discharge speed	0.1 - 4.0 mL/sec
Suction speed	0.1 - 3.0 mL/sec
Max. discharge pressure	0.15 MPa
Repeatability	±0.3 % or below (F.S.)
Max. allowable viscosity	100 mPa·s

Above specification may be changed by installation, handling liquid, etc.
For detail, please contact us.

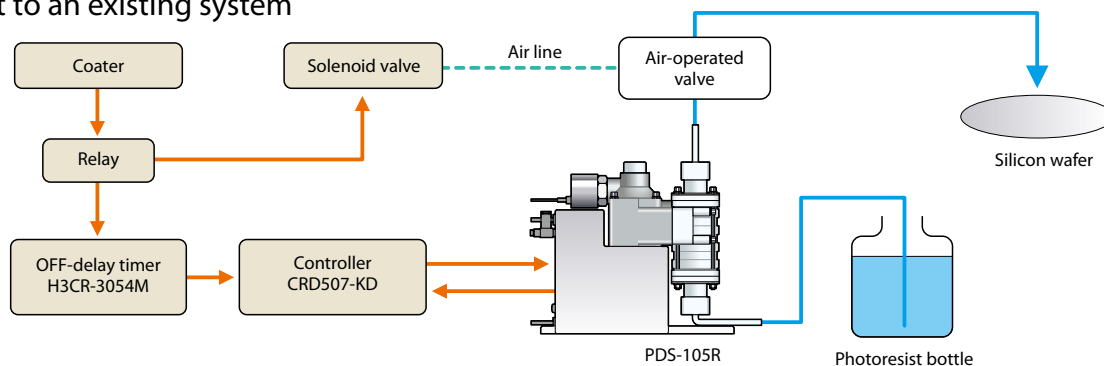
System flow

System configuration



NOTE: Use an optional driver. Purchase separately. Contact our sales reps for applicable controller in advance. For the other peripheral devices, provide by yourself.

Retrofit to an existing system



NOTE: The controller and the OFF-delay timer are available as options. Provide other peripheral devices such as relays, switches and a DC power supply by yourself.
The PDS-105R runs just while receiving an electric signal from the coater.