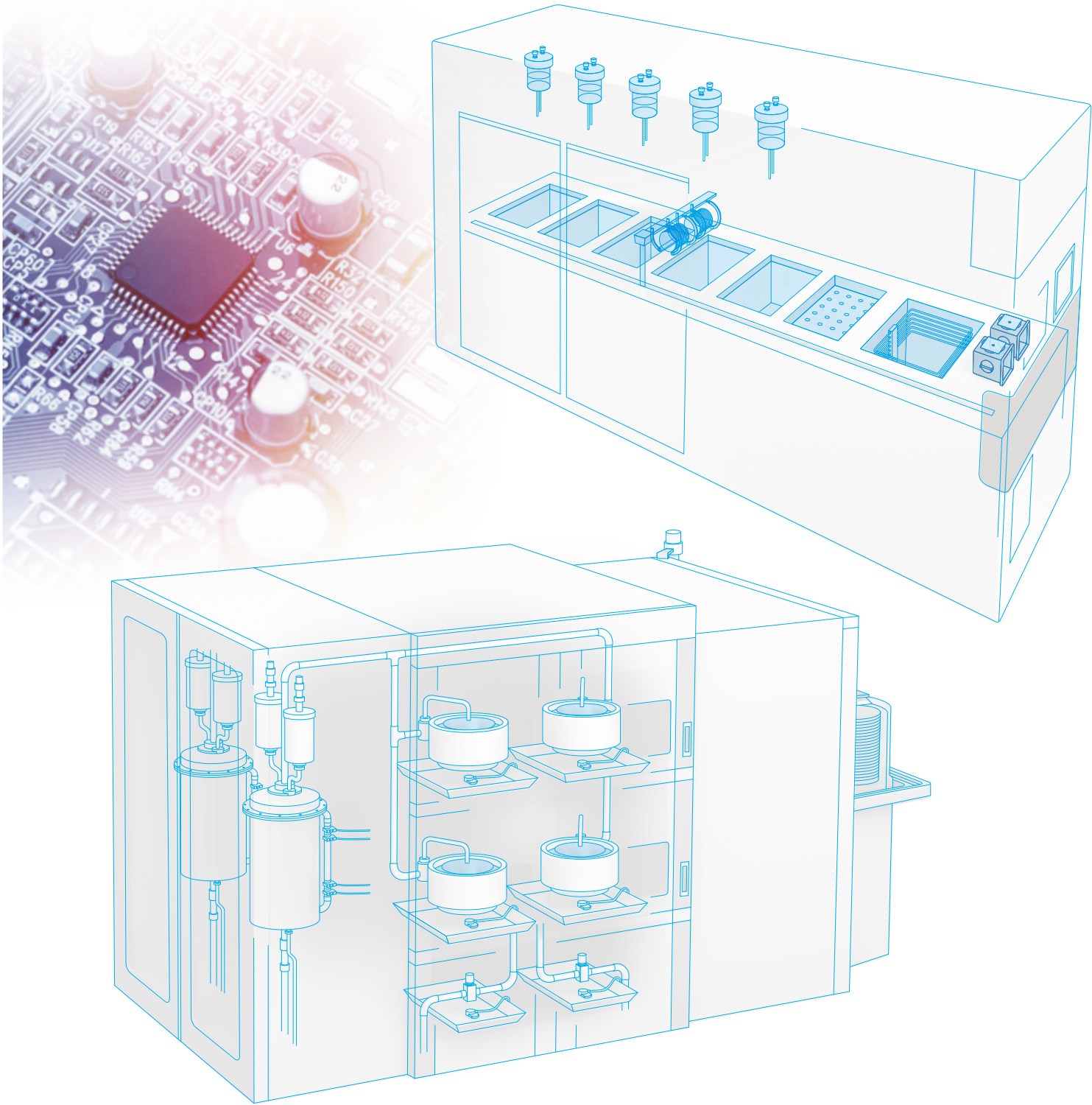




Equipment and Application Overview

• Semiconductors • Wafer Cleaning Equipment



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For the challenges confronting the semiconductor industry
—higher quality, higher productivity,
preventive maintenance—
we provide a wide variety of solutions.

Applicable industry

Semiconductor

Manufacturing process

Front-end processes

Typical equipment

Wafer cleaning equipment

Equipment description: Removes impurities such as organic substances and metals from the wafer surface using solvents and chemicals. There is batch equipment (immerses multiple wafers in the processing layer) and single-wafer equipment.



FOUOP nitrogen purge flow control
[Product name] Digital mass flow controller
[Model No.] MQV_ _ _ _
Application examples (Doc. No.)
CP-PC-9000-006E



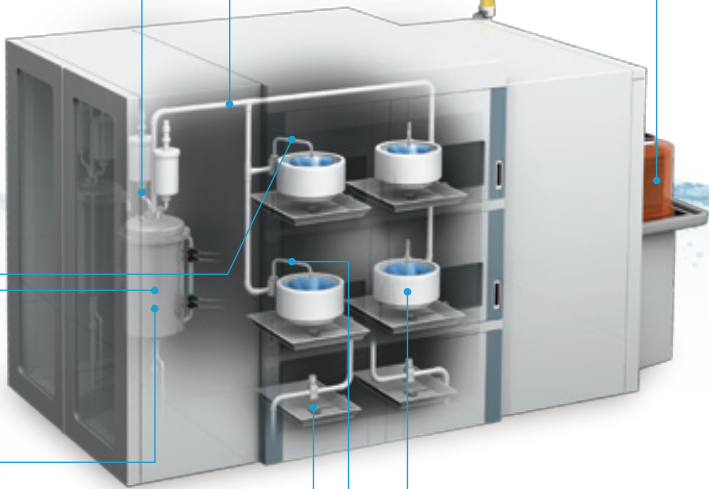
Chemical flow rate measurement
[Product name] Micro flow rate liquid flow meter
[Model No.] F7M
Application examples (Doc. No.)
CP-PC-9000-008E



Stroke detection for valves for IPA
[Product name] Flat U-shape fiber unit
[Model No.] HPF-T054-L05
Application examples (Doc. No.)
CP-PC-9000-007E



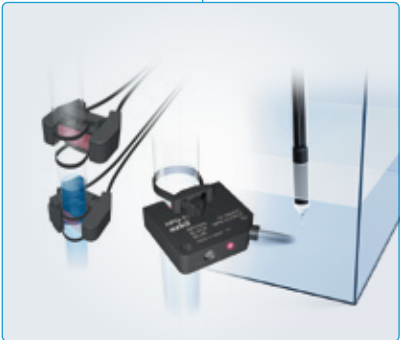
Batch type



Single wafer type



Detection of wafers remaining in a cleaning bath
[Product name] Chemical-resistant fiber-optic sensors
[Model No.] HPF-T029
Application examples (Doc. No.)
CP-PC-9000-004E



Liquid level detection
[Product name] Pipe-mounted liquid level switches with built-in amplifier / Pipe-mounted / tank-inserted fiber-optic liquid level sensors
[Model No.] HPQ-T_ / HPF-T032_ / HPF-T034 / HPF-D027 / HPF-D033
Application examples (Doc. No.)
CP-PC-9000-002E



Liquid leak detection
[Product name] Liquid-leak switch with built-in amplifier / Liquid-leak detection fiber-optic sensor
[Model No.] HPQ-D_ / HPF-D040
Application examples (Doc. No.)
CP-PC-9000-001E



Chemical solution temperature control
[Product name] Network Instrumentation Modules
[Model No.] NX- _ _ _
Application examples (Doc. No.)
CP-PC-9000-005E



N₂ flow control for chemical spray nozzle
[Product name] Digital mass flow controller
[Model No.] MQV_ _ _ _
Application examples (Doc. No.)
CP-PC-9000-009E



Wafer alignment
[Product name] High-accuracy position sensors
[Model No.] K1G_ _ _
Application examples (Doc. No.)
CP-PC-9000-003E