

High speed, high accuracy, saves space

Helps improve accuracy of wafer eccentricity measurement



Laser sensors

Product name

Discrete sensor

High-Accuracy Position Sensors

Model No.

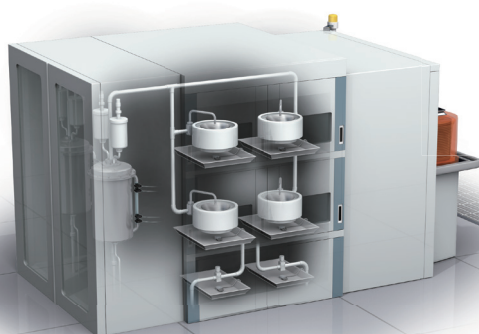
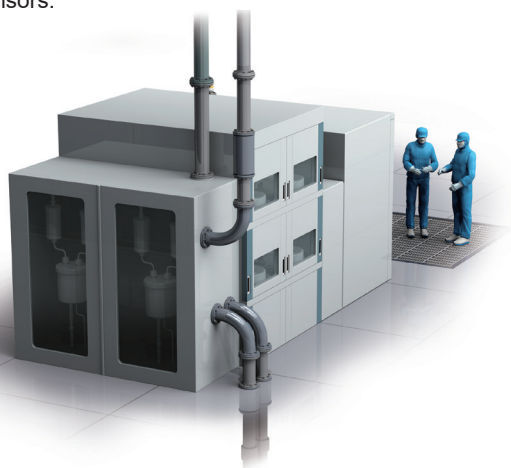
K1G-___

Process and equipment name

Single wafer cleaning equipment

Current Situation

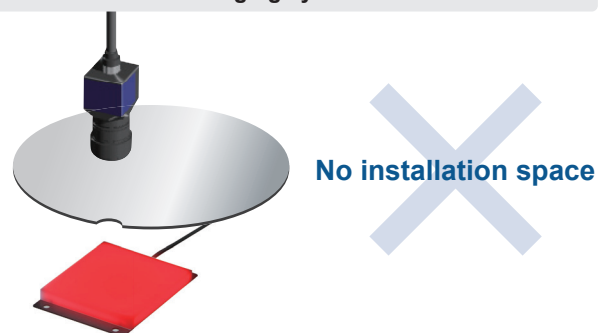
- Special cleaning processes require high-accuracy wafer positioning.
- Noncontact positioning is desirable.
- With many cleaning chambers, there is not much space for sensors.



Current Issues

- Compact sensors using the light intensity method are not accurate enough.
- There is no room for high-accuracy 1D measuring devices or image sensors.
- With many chambers, sensors that are as inexpensive as possible are needed.

Imaging system



No installation space

Light intensity method



Insufficient accuracy

Solution 1

Best-in-class accuracy captures high-accuracy wafer eccentricity data

Azbil's unique FDN algorithm and super-resolution technology achieve a resolution of 0.1 μm .

Solution 2

Fastest-in-class measurement obtains wafer eccentricity data at many more points

Dual-processor multitasking quadruples the processing speed of previous models.

Solution 3

Smallest and lightest sensor head in its class can be installed in very small spaces

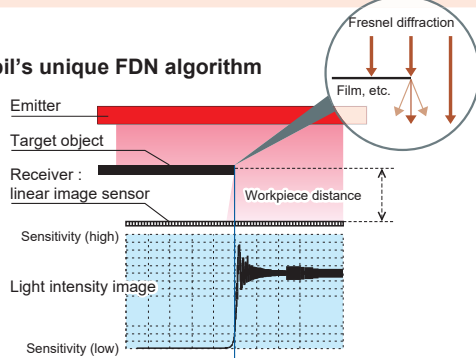
Ultrathin sensor head is a mere 20×8×50 mm — install it almost anywhere!

Solution 4

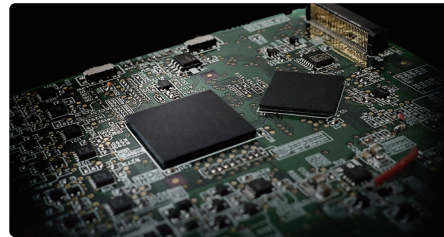
A multichannel controller at a reasonable price

Controller can be connected to up to 4 sensor-head channels, cutting costs when many sensors are used in the same piece of equipment.

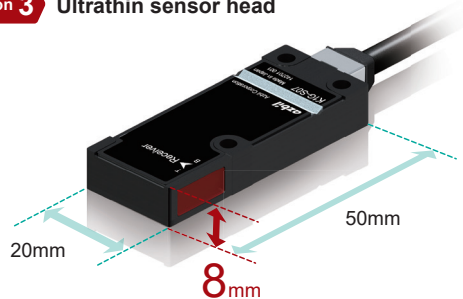
Solution 1 Azbil's unique FDN algorithm



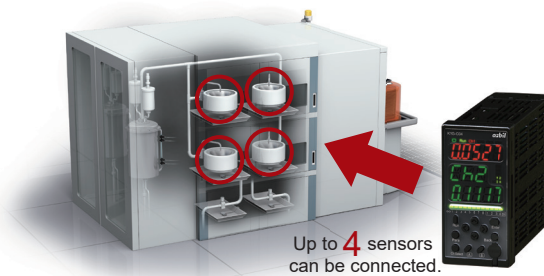
Solution 2 Dual-processor multitasking



Solution 3 Ultrathin sensor head



Solution 4 Multichannel controller for lower cost



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Azbil Corporation
Advanced Automation Company

Yamatake Corporation changed its name to Azbil Corporation on April 1, 2012.

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1st Edition : Nov. 2019-AZ