



Pressure, Flow,
Level & Temperature Products

Safety and process control sensors



**PRECISION
SENSORS**



- 100% passive
- No software needed
- Up to 40 million cycle
- ISO 13849



Flow switch

For gases and liquids

Up to 250 deg. C
No friction. No seals
No power required



SIL3
Safety Integrity Level

We match your specification, exactly!

Get your design right, the first time

Compliance with global safety requirements

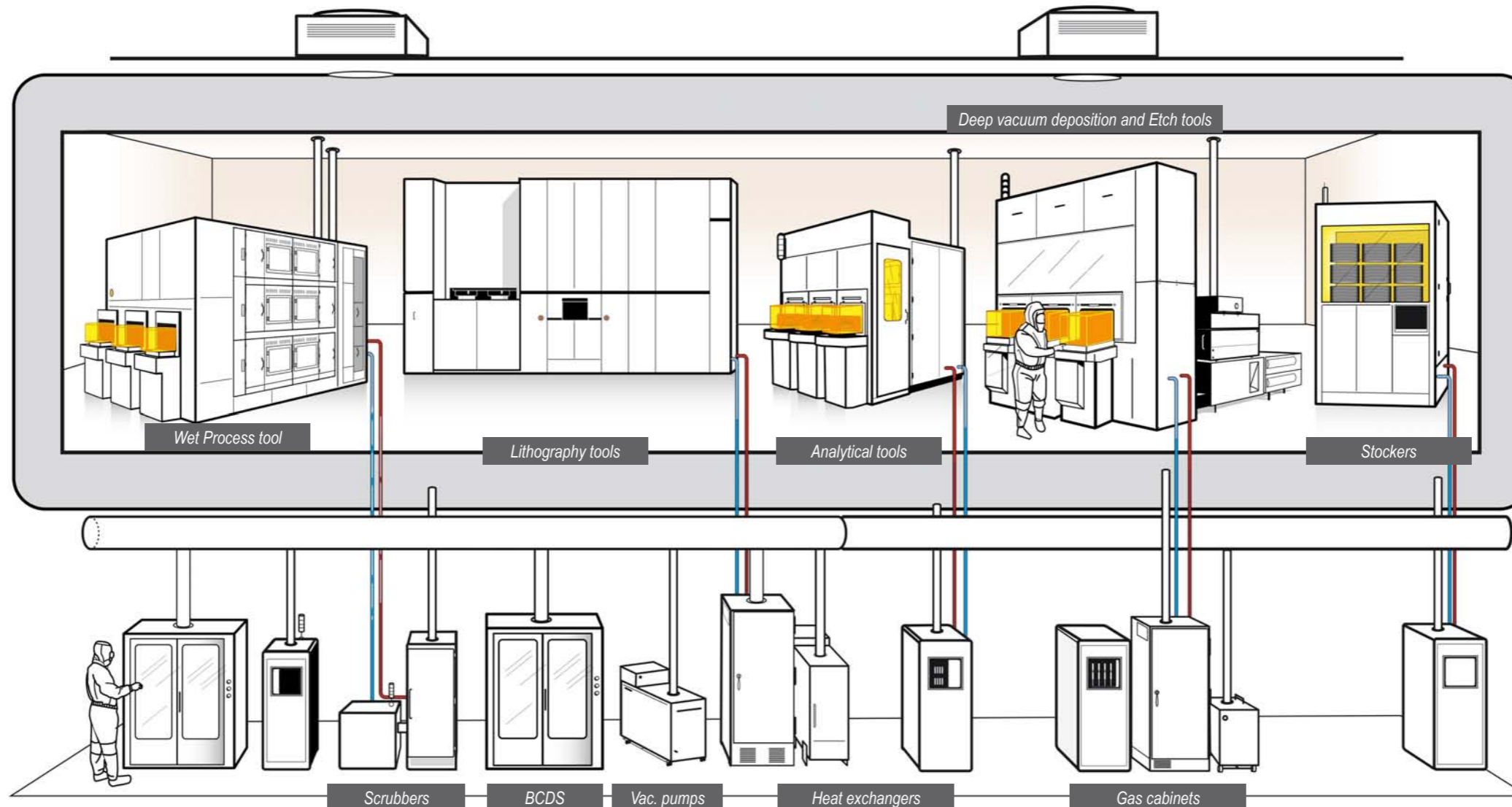
- 100% analog device
- Software free
- 200,000 hours MTTF
- SIL 2 capable
- UL rated



Absolute pressure switch

Loss of vac. detection
Process pressure monitoring
Factory set point
Up to 180 deg. C

SIL3
Safety Integrity Level



Pressure transducer



Process gas pressure monitoring
Sensor die accuracy
+/-0.14%FS
Compound range
100% analog design



Gage pressure switch

Over pressure detection
Tool health monitoring
Factory set point
40 million cycle



SIL3
Safety Integrity Level



Temperature sensor

Custom design temperature sensor
Switch or PT100
All media
PFA and 316L



Ultra-low differential pressure sensor

Ultra-low pressure monitoring
Stability down to 5 Pa
Enabling exhaust cost reduction
Auto diagnostic: Software Free



Differential pressure sensor

Option for stainless steel

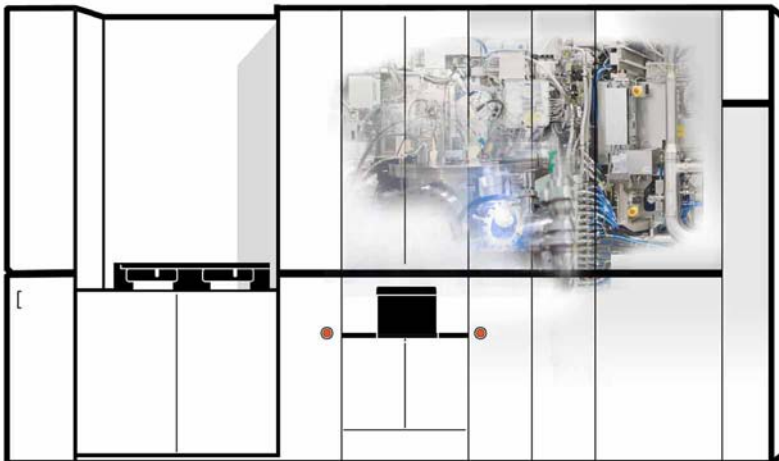


Electronic switch

3-in-1 device
Window mode switch
Absolute and gage
Gas boxes and IGS

SIL2
Safety Integrity Level





Providing ultimate health monitoring and safety to \$100 million Dollar type capital equipment

Performance

Low Pressure Monitoring

Auto-diagnostic
Software free
5 Pa sensitive

Transducer (Three-in-One)

Display, Switch & Transducer
200,000 h. MTTF

Pressure switches

Up to 40 million cycle

Credentials

Top-5 largest OEM safety solution supplier

Vac., Wet, Hot, Litho, Dry
CMP, All media

Recent Design Wins! For next generation OEM platforms

Running in 100% of 300 mm fabs.
Worldwide

One Aerospace Quality system AS9100: rev.D

Financial value

Cost effective, with proven design.

Sil-2 and Sil-3 capable components

Space savings with combo designs

Up to 5-year warranty

Proprietary parts to DEMs

SIL-3 Capable Functional Safety rated devices: tangible benefits

Inherently, such SIL-3 capable components contribute to make **your tool more reliable** and to **increase uptime and availability**. Sometimes to reduce direct costs as well.

Additionally, SIL-3 capability will improve your companies' **ability to achieve product certification** resulting in **improved time-to-market** and customer acceptance at proposal and integration.

By law, we all have to comply with safety certifications: SIL-3 capability makes possible to reach most stringent semiconductor's industry requirements.

SIL-3 capability requires a complete and systematic analysis for potential unsafe failure modes. The allowable limit for unsafe failures is just 1 dangerous failure per 1,000,000 operating hours! SIL-3 capability requires strict adherence to quality systems processes resulting in consistent management and manufacturing processes.

Specifications subject to change, for information only. Do not use for design purposes.



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AS9100D
CERTIFIED
ISO 9001

