

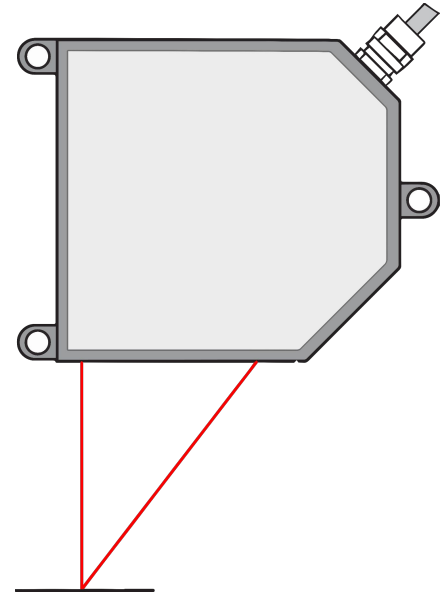
compatible
with:InSpec
Classic

InSpec

DISTANCE SENSORS

LSM4

- Available with a measurement range of 2 or 10 mm.
- Supported by the latest generation of Vertex and Excel machine models.
- Can be installed in specular or diffuse configuration.
- Collects data as it moves between two programmed XYZ locations.
- Ideal for surfaces' flatness and Z-distance measurements.
- Allows for measurements of darker, more diffuse and more angled surfaces compared to VAS sensors



LSM4-2:

Capable of doing higher accuracy measurements. Has a small diametrical spot size which benefits small feature measurements.

LSM4-10:

Offers a comfortable working distance and measurement range, which makes this sensor suitable for measurements of a variety of parts.

Technical Specifications	LSM4-2	LSM4-10
Modes	Diffuse, Specular	Diffuse, Specular
Range [mm]	2	10
Working Distance [mm]	25	35
Spot Size [µm] (center of measuring range)	Ø 23	32 x 45
Resolution [µm] (depends on the surface)	0.03	0.15

Product information is subject to change without prior notice as a result of ongoing technical development.

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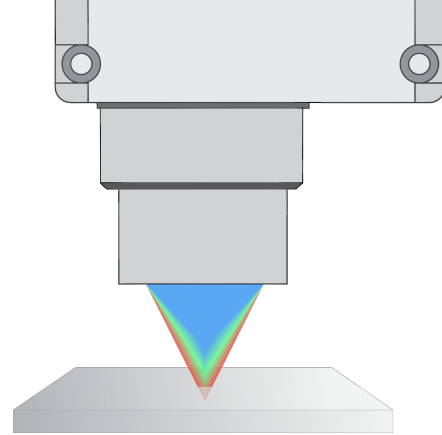
VAS-500

Vertical Axial Scanner

compatible
with:



InSpec
Classic



- Available with a measurement range of 500 μm and working distance of 12.7 mm.
- Collects data as it moves between two programmed X,Y,Z locations, ideal for surfaces' flatness and Z-distance measurements.
- Small spot size, ideal for measuring surfaces such as glass, polished metal, ceramic and coatings.
- Includes an automated calibration process in InSpec Classic.
- Allows for measurements close to vertical features or inside small holes compared to LSM sensors.

Technical Specifications	VAS-500
Measurement range [μm]	500
Working distance [mm]	12.7
Resolution on axis [nm]	20
Spot size [μm]	5
Max. slope angle (mirror surface) [$^{\circ}$]	45

Supported Machines		
Vertex	261	
Vertex	341	342
Excel	511	512
Excel	701	702
Excel	901	902
Excel	1301	1302
Excel	1701	1702
Excel	2500	

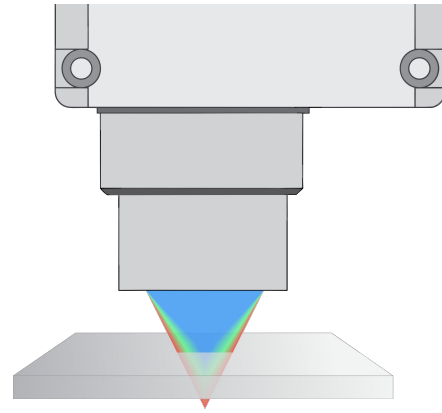
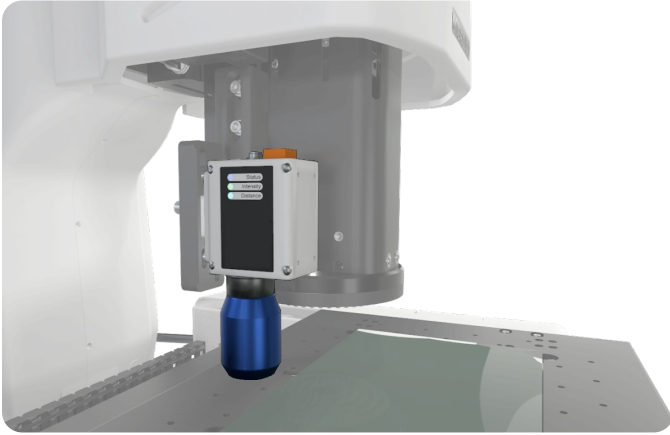
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VAS FOR INSPEC

Vertical Axial Scanner

compatible
with:



- Available in three versions with a measurement range of 0.5 , 4 or 10 mm.
- Collects data as it moves between two programmed X,Y,Z locations, ideal for surfaces' flatness and Z-distance measurements.
- Small spot size, ideal for measuring surfaces such as glass, polished metal, ceramic and coatings.
- Includes an automated calibration process in InSpec.
- Allows for measurements close to vertical features or inside small holes compared to LSM sensors
- Multiple surface measurements of transparent materials

Technical Specifications	VAS-500	VAS-4000	VAS-10000
Measurement range [μm]	500	4000	10000
Working distance [mm]	12.7	37.5	71.5
Resolution on axis [nm]	20	160	400
Spot size [μm]	5	8	16
Max. slope angle (mirror surface) [$^{\circ}$]	45	20	14
Measurable thickness [mm]	0.03 - 0.75	0.14 - 6.0	0.38 - 15.0

Supported Machines		
Vertex	261	
Vertex	341	342
Excel	511	512
Excel	701	702
Excel	901	902
Excel	1301	1302
Excel	1701	1702
Excel	2500	

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