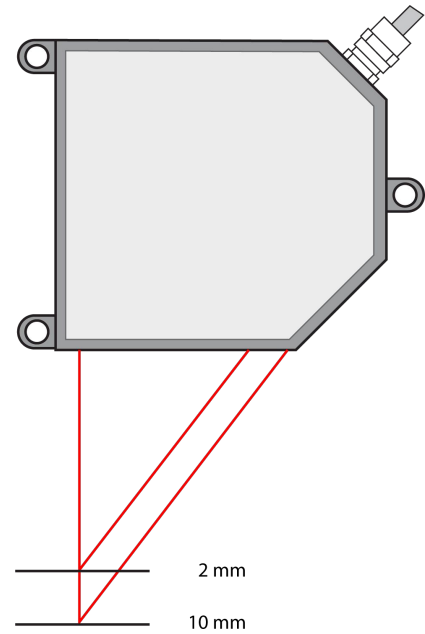


# DISTANCE SENSORS

## LSM4

- Micro-Vu Measuring Systems are equipped and ready to incorporate laser triangulation sensors.
- Available specular and diffuse modes configurations.
- Collects data as it moves between two programmed XYZ locations, ideal for surfaces' flatness and Z distance measurements.
- The LSM4-10 and LSM4-2 are supported by the Vertex 261, 341, 342, Excel 511, 512, 701, 702, 704 models.



### Technical Specifications

	LSM4-10	LSM4-2
Modes	Diffuse, Specular	Diffuse, Specular
Range [mm]	10	2
Working Distance [mm]	35	25
Spot Size [ $\mu\text{m}$ ]	32 x 45	$\emptyset$ 23
Resolution* [ $\mu\text{m}$ ]	0.15	0.03

\*Resolution depends on the material surface.  
Spot Size at mid of measuring range.

#### LSM4-10:

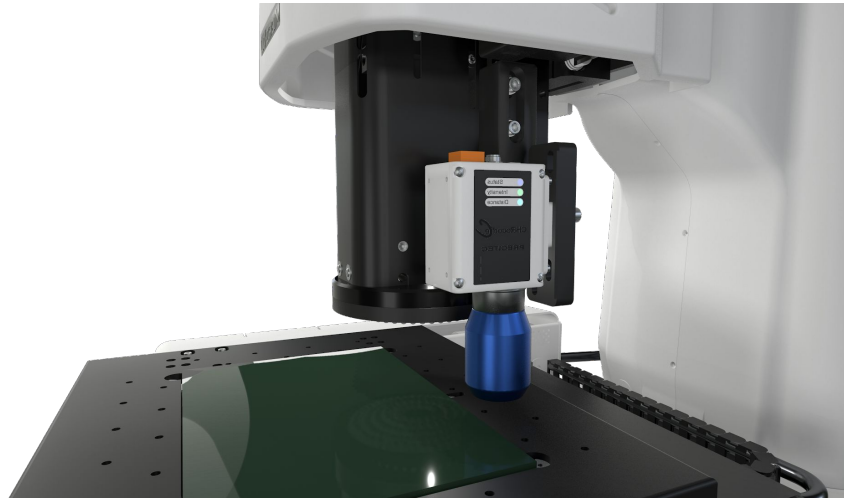
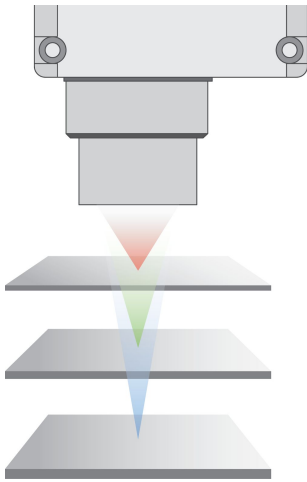
Offers a comfortable working distance and measurement range, which makes this sensor suitable for measurements of a variety of parts.

#### LSM4-2:

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

# VAS-500

## Vertical Axial Scanner



- Micro-Vu Measuring Systems are equipped and ready to incorporate the Vertical Axial Scanner.
- Available with a measurement range of 500  $\mu\text{m}$  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.
- The VAS-500 is supported by the Vertex 261, 341, 342, Excel 511, 701, 901, 1301, 1701 and 2500 models.
- Small spot size, ideal for measuring surfaces such as glass, polished metal, ceramic and coatings.
- Includes an automated calibration process in InSpec Metrology Software.

### Technical Specifications

Measurement range [ $\mu\text{m}$ ]	500
Working distance [mm]	12.7
Resolution on axis [nm]	20
Spot size [ $\mu\text{m}$ ]	5
Max slope angle (mirror surface) [ $^{\circ}$ ]	45

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