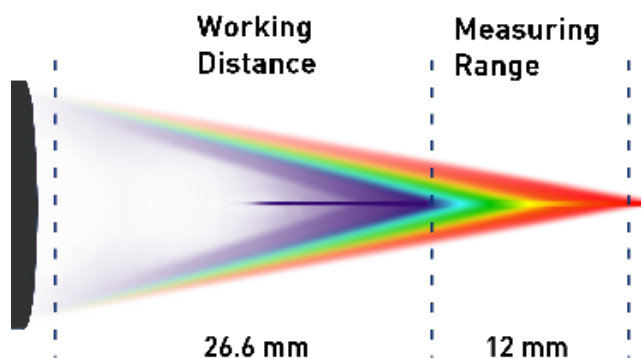


# CL5 - MG20

NEW  
2020

**MARPOSS**  
STIL

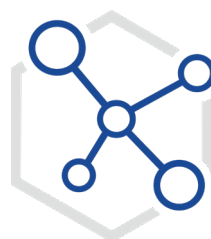
## Chromatic Confocal Controller



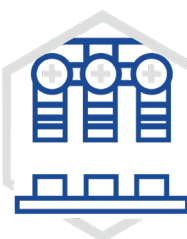
The new CL5-MG20 offers outstanding performance:

- Universal diameter (27mm)
- Axial resolution (from nanometer to micrometer scales)
- A few hundred grams for easy OEM integration
- Measurement of distances at the submicrometer scale
- Discretization of transparent single or multi-layer thicknesses
- Suitable for measurement through a protective window or transparent walls

All materials



Industrial



Accurate measurement

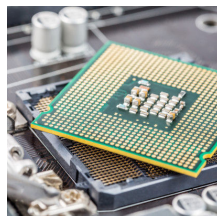


## DESIGNED FOR

Mechanics



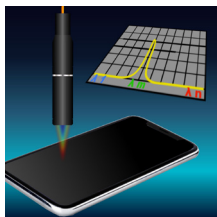
Semiconductors



Glass



Metrology

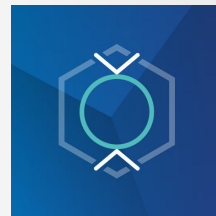


## PERFECT FOR

Distance



Dimension



Thickness



Shape



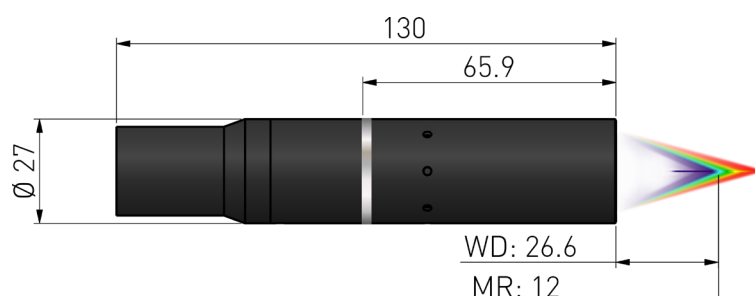
# CL5 - MG20

NEW  
2020

**MARPOSS**  
STIL

## Chromatic Confocal Controller

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

Product	Unit	CL5-MG20
Order code		03PS0152001
Measuring Range	mm	12
Working Distance	mm	26.6
Numerical aperture		0.2
Max. sample slope	°	± 14
Axial model		Standard
90° folded model		Option
Max. linearity error**	µm	± 0.55
Static noise**	nm	425
Axial resolution**	µm	2.55
Lateral resolution	µm	14
Spot size	µm	40
Photometric efficiency		108
Min. measurable thickness***	µm	550
Length	mm	130
Diameter	mm	27
Weight	g	160

\*\* With CCS electronics (PRIMA & OPTIMA+)

\*\*\* Typical value considering a layer of glass, i.e. considering a refractive index n=1.51

### ASSOCIATED WITH

#### OPTICAL FIBER



- Standard cladding
- Stainless steel cladding
- Armored fiber

#### CONTROLLER



- ZENITH
- PRIMA, - OPTIMA +
- PRIMA 2
- STIL-DUO

[www.stil-sensors.com](http://www.stil-sensors.com)

[info@stil-sensors.com](mailto:info@stil-sensors.com)

+33 (0)4 42 39 66 51

Some of the items supplied by STIL S.A.S., or parts of them, may be subject to export control if exported outside the European Union, or may be subject to restrictive measures adopted by the competent national, supranational or international authorities. Buyer of the items delivered by STIL S.A.S. shall comply with all applicable export control and sanctions laws and regulations.

\*Specifications are subject to modifications

CLMG-520-N1-0822