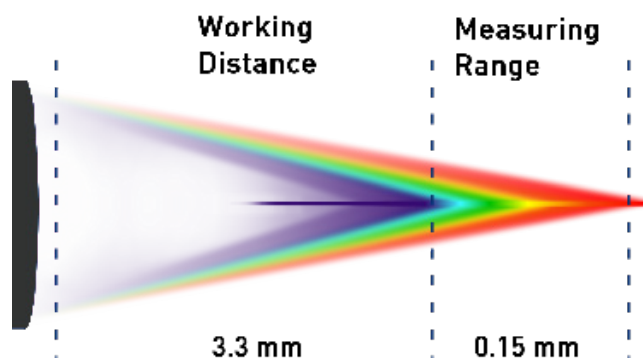


# CL1-MG210

NEW  
2020

**MARPOSS**  
STIL

## Chromatic Confocal Controller



CL1-MG210 stands out for high precision roughness measurement on all materials.

It is used in many high-tech industries such as semiconductors, 3C or research laboratories.

The new CL1-MG210 offers outstanding performance:

- Universal diameter (27mm)
- Axial resolution (from nanometer to micrometer scales)
- A few hundred grams for easy OEM integration
- Reference for roughness measurements (norm ISO25178-602)
- Optimal lateral resolution (from less than 1 $\mu$ m)
- Maximal Numerical Aperture (>0,7)

All materials



Industrial

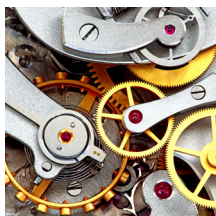


Accurate measurement

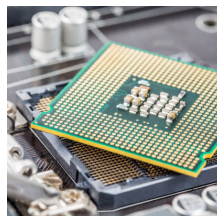


## DESIGNED FOR

Mechanics



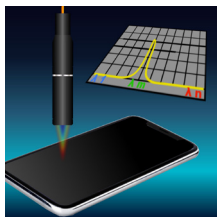
Semiconductors



Glass



Metrology

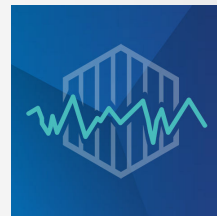


## PERFECT FOR

Distance



Roughness



Thickness



Shape



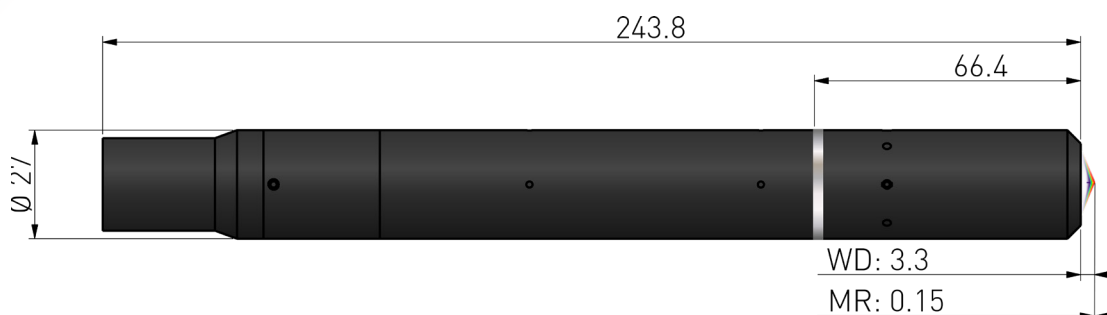
# CL1-MG210

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## Chromatic Confocal Controller

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

Product	Unit	CL1-MG210
Order code		03PS0112101
Measuring Range	mm	0.15
Working Distance	mm	3.3
Numerical aperture		0.71
Max. sample slope	°	± 42
Axial model		Standard
90° folded model		Option
Max. linearity error**	µm	± 0.025
Static noise**	nm	7
Axial resolution**	µm	0.042
Lateral resolution	µm	1.1
Spot size	µm	2.7
Photometric efficiency		5
Min. measurable thickness***	µm	7.5
Length	mm	243.8
Diameter	mm	27
Weight	g	268

\*\* 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

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\*Specifications are subject to modifications

CLMG-121-N1-0822