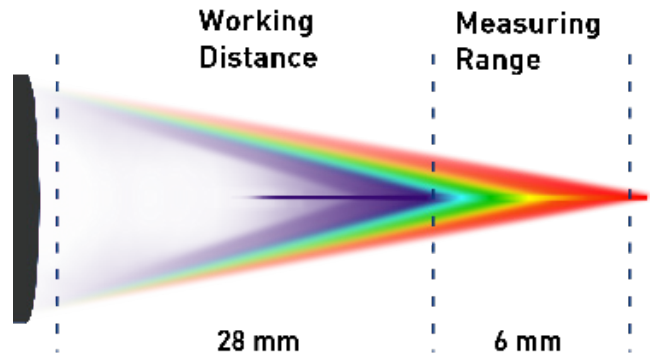
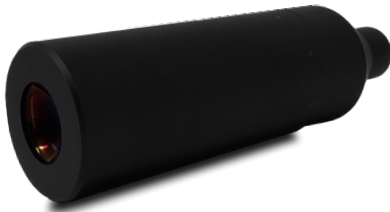


# OP 6000

LONG  
WORKING  
DISTANCE

# MARPOSS STIL

## Chromatic Confocal Sensor Head



OP 6000 offers outstanding performance:

- Long working distance
- Optimal photometric coefficients
- Multiple applications (roughness, thickness, autofocus and more)

Slope Angle



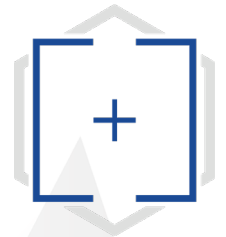
$\pm 22^\circ$

Accuracy



$\pm 0.35 \mu\text{m}$

Resolution



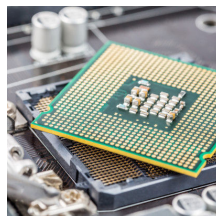
1.2  $\mu\text{m}$

### DESIGNED FOR

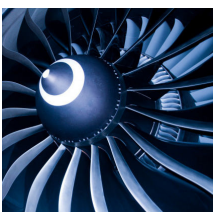
Glass



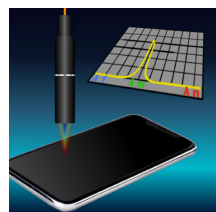
Semiconductors



Aerospace

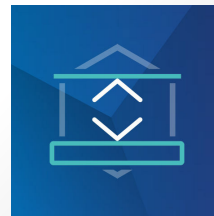


Metrology



### PERFECT FOR

Distance



Dimension



Thickness



Shape



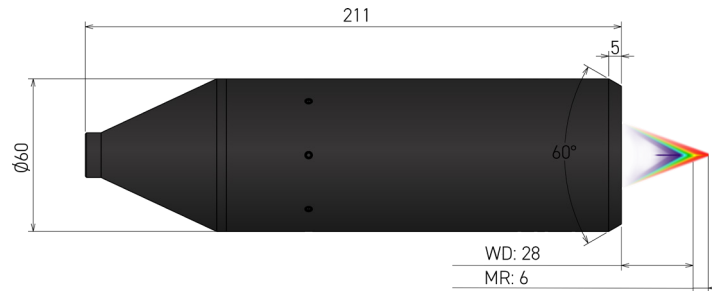
# OP 6000

LONG  
WORKING  
DISTANCE

# MARPOSS STIL

## Chromatic Confocal Sensor Head

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

Product	Unit	OP 6000
Order code		03PS1400004
Measuring Range	mm	6
Working Distance	mm	28
Numerical aperture		0.39
Max. slope angle	°	± 22
Axial model		Axial
Max. linearity error**	µm	± 0.35
Static noise**	nm	200
Axial resolution**	µm	1.2
Lateral resolution	µm	6.25
Spot size	µm	12.5
Photometric efficiency		49
Min. measurable thickness***	µm	150
Length	mm	211
Diameter	mm	60
Weight	g	795

\*\* 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, PRIMA +, OPTIMA +
- LIGHTMASTER

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\* Specifications are subject to modifications

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