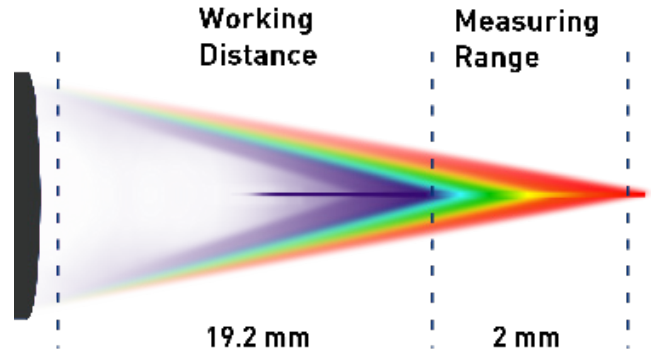


# EVEREST K2

NEW  
2020

**MARPOSS**  
STIL

## Chromatic Confocal Controller



- Multiple applications, from roughness to 3D topography (Swiss Army knife equivalent)
- Large Numerical Aperture (up to 0.7) to measure high slopes and tilted samples
- Several measuring ranges at millimeters scales

### Slope Angle



$\pm 42^\circ$

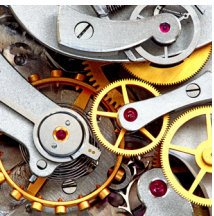
### Accuracy



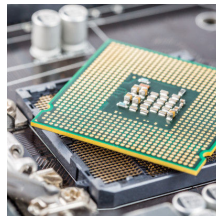
$\pm 0.15 \mu\text{m}$

## DESIGNED FOR

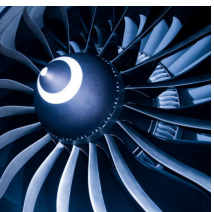
### Mechanics



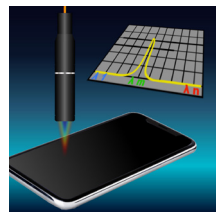
### Semiconductors



### Aerospace



### Metrology



## PERFECT FOR

### Distance



### Roughness



### Thickness



### Shape



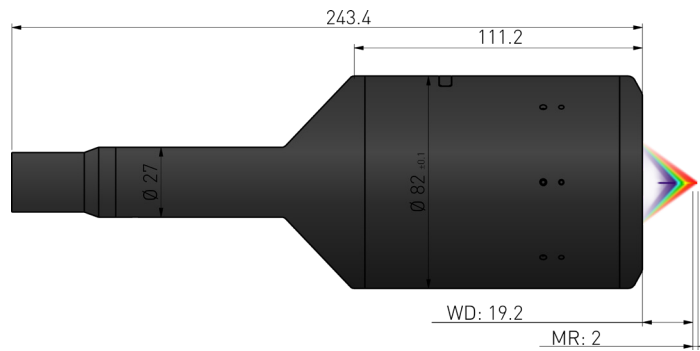
# EVEREST K2

NEW  
2020

# MARPOSS STIL

## Chromatic Confocal Controller

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

Product	Unit	EVEREST K2
Order code		03PS0472001
Measuring Range	mm	2
Working Distance	mm	19.2
Numerical Aperture		0.67
Max. slope angle	°	± 42
Axial model		Axial
Max. linearity error**	µm	± 0.15
Static noise**	nm	75
Axial resolution**	µm	0.45
Lateral resolution	µm	3.8
Spot size	µm	7
Photometric efficiency		52
Min. measurable thickness***	µm	100
Length	mm	243.4
Diameter	mm	82
Weight	g	1250

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

\*\*\* These are typical values 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
- LIGHTMASTER
- STIL-DUO

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\* Specifications are subject to modifications

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