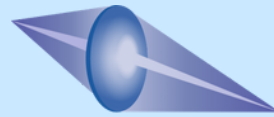


# Multi Scale Topographer

Precision surface measurement at micro to macro scale

Co-developed by



**OPTICAL  
PERSPECTIVES**

## Core Capabilities



High-resolution  
surface  
topography



Non-contact  
optical  
measurement



Interferometer  
grade analysis



Real-time  
data output

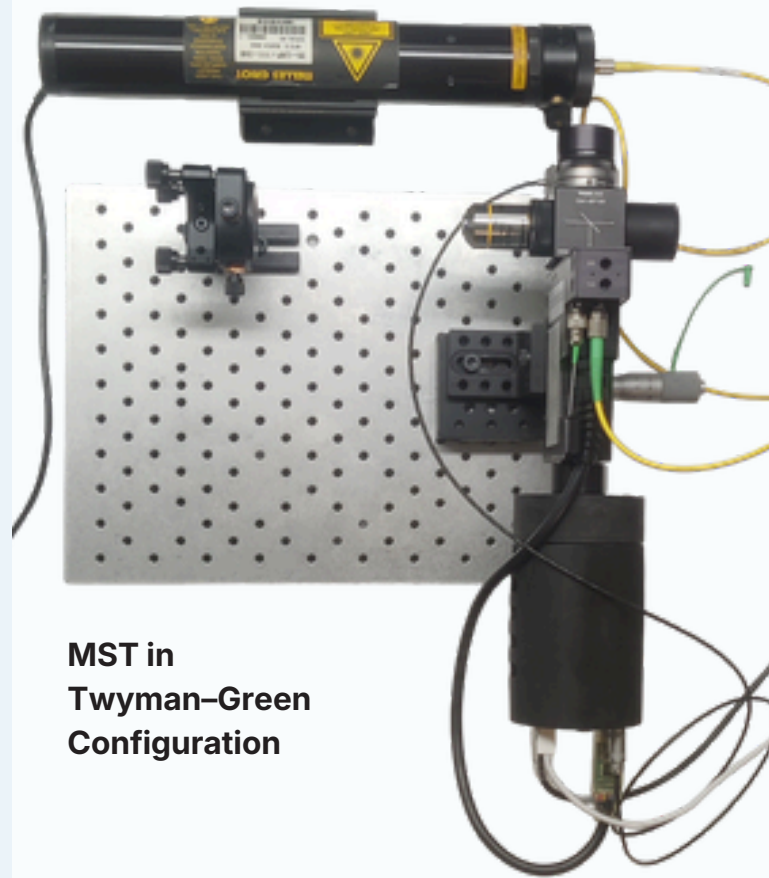
## Why This Collaboration Works?

Optical Perspectives  
(Optics & Metrology)

- PSM platform & optics
- Optical system design & integration
- Measurement & PSM expertise

KostaCLOUD  
(Systems & Software)

- Electronics & Software
- Phase unwrapping & Zernike fitting
- Real-time ODS data streaming



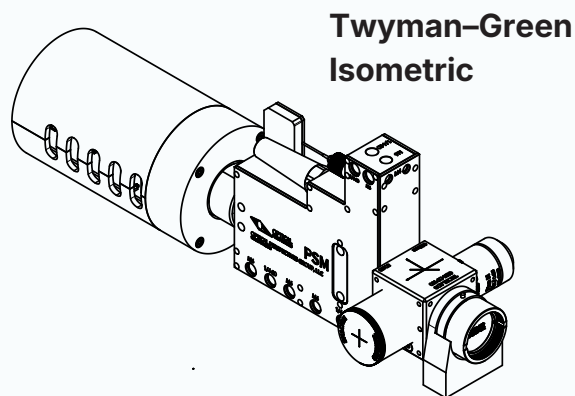
**MST in  
Twyman-Green  
Configuration**

**Built For** • On-Machine Metrology • Quality control • Surface Finish & Topography

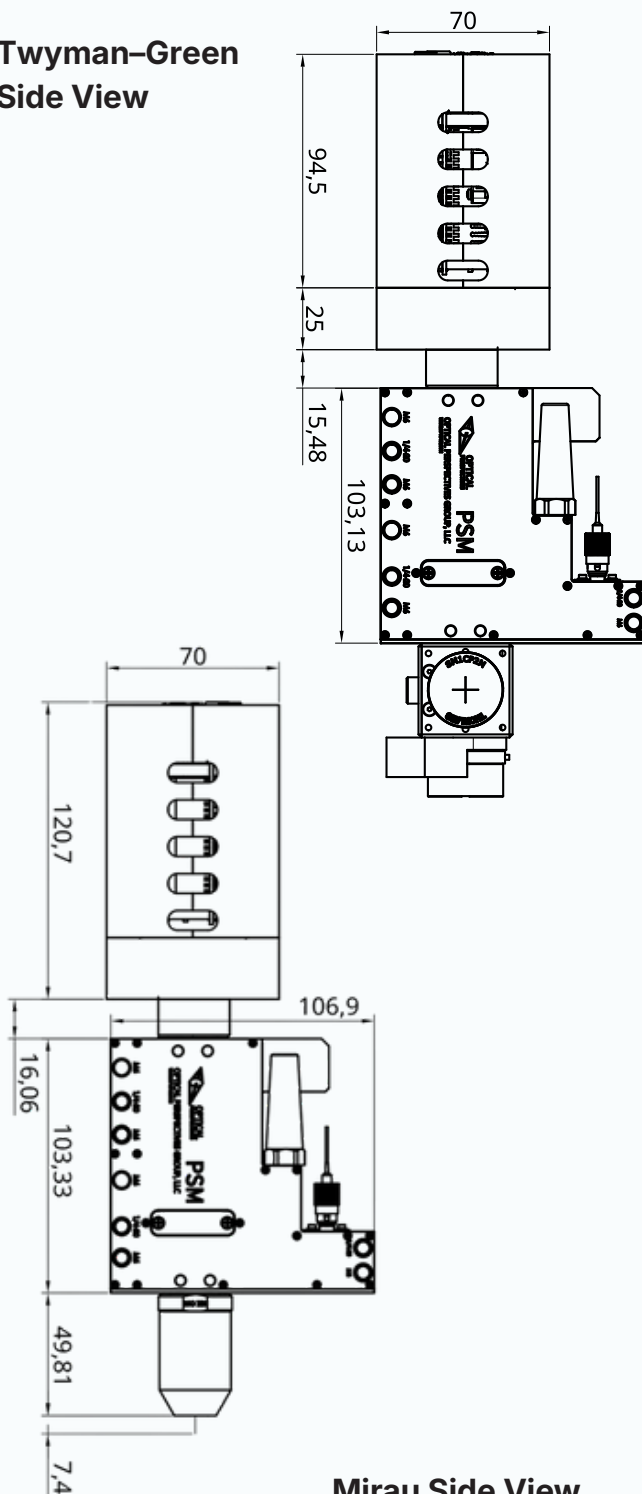
Delivering an interferometer-grade Multi Scale Topographer optimized for  
real-world manufacturing environments

# Specifications

System Type	Portable high resolution video interferometer
Objectives (Options)	Mirau, Michelson or Standard objective infinity corrected with Twyman-Green / Michelson setup
Working Distance	0 to $\infty$
Vertical Range	$\pm 4\mu\text{m}$
RMS Repeatability	down to 0.05nm
RMS Precision	down to 0.1nm
Sample Reflectivity	0-100%
CMOS Sensor	Sony IMX412 Color 7.857mm diagonal (1/2.3) 4056 x 3040 (max)
Internal Light Sources	Full field LED and laser diode source (optional replace)
External Light Source (FC/APC)	(Twyman-Green only) Fiber Coupled He-Ne Laser
Mounting Positions	Downward looking; upward looking; custom mounting options available
Mounting Options	1) Manual Tip/Tilt & Piston 2) XYZ, Tip, Tilt Motorized Translation Stage
Interface	Ethernet
Software	KostaCLOUD KostaCAM Interferometer
Mass	~2kg
Dimensions	306 x 107 x 70 mm
OEM Integration	API available for integration purposes



**Twyman-Green Side View**



**Mirau Side View**