

# NEW PRODUCT INFORMATION

## QUICK VISION WLI SERIES

Combination machine with vision and White Light Interferometer measuring system



**NEW-STYLE**  
Vision Measuring Systems

### **F**eatures

- › Combined non contact measurements with vision system and White Light Interferometer (WLI)
- › Easy alignment and positioning with vision sensor
- › Full QVPAK functionality with vision system
- › Enhanced functionality with WLI-system for high resolution topography evaluation.
- › Measuring range (X-, Y-, Z-axis): 400 x 400 x 240 mm



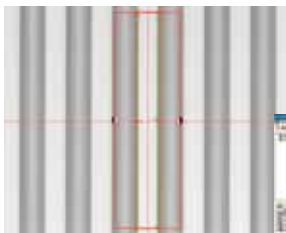
QV WLI objectives 10X and 25X

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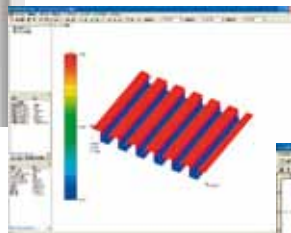
## Specifications

Model		Hyper QV WLI 404 PRO	Hyper QV WLI 606 PRO
Stroke (X × Y × Z)	Vision Head	400 x 400 x 240 (mm)	600 x 650 x 240 (mm)
	WLI Head	315 x 400 x 240 (mm)	515 x 650 x 240 (mm)
WLI Head			
Tube lens		2x	
Field of view (HxV)		10X lens: approx 0.32 x 0.24 (mm) / 25X Lens: approx 0.128 x 0.096 (mm)	
Repeatability		2σ ≤ 0.2 μm	
Z-axis measuring range		200 μm	
Vision head			
Magnification change mechanism		PPT 1x-2x-6x	
CCD Camera		B&W	
Illumination unit	Surface	Halogen or color LED	
	Contour	Halogen or white LED	
	PRL	Halogen or color LED	
Measurement accuracy	E <sub>1</sub> , X-, Y-axis	(0,8+2L/1000) μm	
	E <sub>1</sub> , Z-axis	(1,5+2L/1000) μm	
	E <sub>2</sub> , X-, Y-plane	(1,4+3L/1000) μm	
Main unit			
Minimum reading		0,01 μm	
Maximum stage loading		25 kg	35 kg
Guiding method		Linear motion bearing	
Main unit dimension WxDxH		1350 x 1790 x 1445	1310 x 1900 x 1990

## Application example



2D top view  
(Vision system)



3D image (WLI sensor)



Section analysis

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