

QV WLI

SERIES 363 – CNC Vision Measuring System with White Light Interferometry

- Both non-contact measurement and minute 3D evaluation in single machine.
- High-precision hybrid measurement system with built in WLI (White Light Interferometer) head.
- Large format style, evaluation series with built in vibration isolation stand.

Hyper QV WLI 404PRO



FEATURES

- Combined non-contact measurements with vision system and White Light Interferometer (WLI).
- Easy alignment and positioning with the vision sensor.
- Full QVPAK functionality with vision system.
- Enhanced functionality with WLI system for high-resolution topography evaluation.
- Large measuring range up to 600 x 650 x 240 mm.

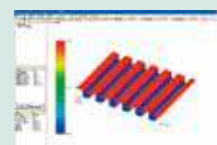


QV WLI objective lenses 10X and 25X

Application examples



2D top view (Vision system)



3D image (WLI sensor)



Section analysis

SPECIFICATIONS

Model		HYPER QV WLI 404 PRO	HYPER QV WLI 606 PRO
Code No.		363-701	363-711
Measuring range using vision sensor	X (vision sensor)	400 mm	600 mm
	X (WLI sensor)	315 mm	515 mm
	Y	400 mm	650 mm
	Z	240 mm	240 mm
Resolution		0.01 μm	
High-resolution CCD camera		B&W	
Accuracy* ¹	E _{1xy}	$\pm(0.8+0.2L/100) \mu\text{m}$	
	E _{1z}	$\pm(1.5+0.2L/100) \mu\text{m}$	
	E _{2xy}	$\pm(1.4+0.3L/100) \mu\text{m}$	
Illumination	Surface	Colour LED	
	Contour	White LED	
	Programmable ring light	Colour LED	
Magnification changing system		Programmable power turret	
Stage glass size		493 x 551 mm	697 x 785 mm
Max. stage loading		25 kg	35 kg
Dimensions (W x D x H)		1027 x 1407 x 1775 mm	1309 x 1985 x 1797 mm
Mass (main unit)		1160 kg	2275 kg

*¹ Programmable power turret: 1X, objective set: 2.5X, L = measured distance between two arbitrary points (mm).