

Hyper QV Pro

SERIES 363 – CNC Vision Measuring System

FEATURES

- White LED transmitted stage light.
- LED coaxial light with variable light colour.
- Programmable four-quadrant LED ring light with variable light colour.
- CNC operation.
- Triangular pattern focussing for low-contrast surfaces.
- Programmable magnification changer 1X, 2X and 6X.
- High-precision objective lens system 1X, 2.5X and 5X.
- High-resolution CCD black and white camera.
- Resolution of the QUICK VISION HYPER: 0.02 μm (0.00002 mm)
- One-click tool technology for optimum edge detection.
- User-friendly QVPAK software.

- A 3D CNC Vision Measuring System offering superb accuracy in the 1.0 μm class (measuring 100 mm) and high functionality.
- The fixed bridge, moving table design is used for the ultimate in rigidity.
- Programmable ring lighting provides the flexibility in lighting direction, angle and intensity, no matter the slope of the workpiece surface, that enables achievement of maximum surface contrast for best imaging resolution, and hence accuracy.
- A programmable power turret provides control of magnification for optimal viewing.



Hyper QV404PRO

SPECIFICATIONS

Model		Hyper QV302PRO	Hyper QV404PRO	Hyper QV606PRO
Code No.		363-114	363-134	363-154
Measuring range	X	300 mm	400 mm	600 mm
	Y	200 mm	400 mm	650 mm
	Z	200 mm	250 mm	250 mm
Resolution		0.02 μm		
High-resolution CCD camera		B&W		
Accuracy* ¹	E _{1xy}	$\pm(0.8+0.2L/100)$ μm		
	E _{1z}	$\pm(1.5+0.2L/100)$ μm		
	E _{2xy}	$\pm(1.4+0.3L/100)$ μm		
Illumination	Surface	LED, RGB		
	Contour	LED, white		
	Programmable ring light	LED, RGB		
Magnification changing system		Programmable power turret		
Max. drive speed	XY axes	200 mm/s		
	Z axis	200 mm/s		
Stage glass size		399 x 271 mm	493 x 551 mm	697 x 758 mm
Max. workpiece height		200 mm	250 mm	250 mm
Max. stage loading		15 kg	30 kg	40 kg
Dimensions (W x D x H)		859 x 951 x 1609 mm	1027 x 1407 x 1778 mm	1309 x 1985 x 1794 mm
Mass* ²		360 kg	579 kg	1450 kg

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

*² Including machine stand.