



QV ACCEL Series 363-CNC Vision Measuring System

Series QV



FEATURES

Moving-bridge type structure

Designed with primary focus on measurement efficiency, the machine adopts a more rigid construction and drives the X and Y axes at 400mm/s (QVEXCEL 808,ACCEL1010).

The moving-bridge type structure also eliminates the need for a moving stage. This facilitates a more simplified design of the workpiece fixture, resulting in a significant reduction in the man-hours required for fixture fabrication and inspection.

Model No and Type	QV ACCEL 808PRO	QV ACCEL 1010PRO	QV ACCEL1212PRO	QV ACCEL 1517PRO
Range X-Axis	0-32in 0-800mm	0-40in 0-1000mm	0-50in 0-1250mm	0-60in 0-1500mm
Range Y-Axis	0-800in 0-32mm	0-1000 in 0-40mm	0-1250in 0-50mm	0-1750in 0-70mm
Range Z-Axis	0-6in 0-150mm	0-6in 0-150mm	0-4in 0-100mm	0-4in 0-100mm
Resolution	0.1µm	0.1µm	0.1µm	0.1µm
High-sensitivity CCD camera	BW	BW	BW	BW
Accuracy (20°C 1.0°C)	E1xy-(1.5+3L/1000)µm E1z-(3.0+4L1000)µm E2xy-(2.5+4L/1000)µm	E1xy-(1.5+3L/1000)µm E1z-(3.0+4L1000)µm E2xy-(2.5+4L/1000)µm	E1xy-(2.2+3L/1000)µm E1z-(4.0+5L1000)µm E2xy-(3.5+4L/1000)µm	E1xy-(2.2+3L/1000)µm E1z-(4.0+5L1000)µm E2xy-(3.5+4L/1000)µm

Max.Drive Speed	X/Y400 150mm/s	X/Y400 150mm/s	X/Y300 150mm/s	X/Y300 150mm/s
Illumination	Surface-LED,white Contour-LED,White PRL-LED,white (4 divisions)	Surface-LED,white Contour-LED,White PRL-LED,white (4 divisions)	Surface-LED,white Contour-LED,White PRL-LED,white (4 divisions)	Surface-LED,white Contour-LED,White PRL-LED,white (4 divisions)
Magnification change system	Programmable power (1x ,2x ,6x) turret	Programmable power (1x ,2x ,6x) turret	Programmable power (1x ,2x ,6x) turret	Programmable power (1x ,2x ,6x) turret
Stage glass size	34.8x37.7in 883x958mm	46.7x46.7in 1186x1186mm	56.7x56.7in 1440x1440mm	67.5x77.5in 1714x1968mm
Dimension	58x67.5x62in 1475x1716x1578mm	75.3x82x63in 1912x2086x1603mm	85.3x92x61in 2166x2340x1554mm	96x113x61in 2440x2868x1554mm
Mass	5654lbs 2570kg	6490lbs 2950kg	7920lbs 3600kg	9900lbs 4500kg