

## Technical Specifications Quick Vision Accel

Model		QVA 808 PRO	QVA 1010 PRO	QVA 1212 PRO	QVA 1517 PRO	QVA 2021 PRO	
Measuring range [mm]	X x Y x Z	300 x 800 x 150	1000 x 1000 x 150	1250 x 1250 x 100	500 x 1750 x 100	1000 x 2100 x 100	
Scales	Resolution [µm]	0,1					
	Type	Refletive linear encoders					
Driving method		DC servo motor and ball screw					
Guide method		Hard bearing					
Image processing unit		B/W CCD camera					
Illumination	Transmitted light	White LED					
	Coaxial light	White/Red/Green/Blue LED					
	Programmable ring light	White/Red/Green/Blue LED; 4 quadrants separately programmable					
Optical system		Programmable power turret (1x, 2x, 6x)					
Measuring accuracy [µm]	E1	X, Y	(1.5 + 0.003 L)	(1.5 + 0.003 L)	(2.2 + 0.003 L)	(2.2 + 0.003 L)	(3.5 + 0.005 L)
		Z	(1.5 + 0.004 L)	(1.5 + 0.004 L)	(2.5 + 0.005 L)	(2.5 + 0.005 L)	(4.0 + 0.005 L)
	E2	XY plane	(2.5 + 0.004 L)	(2.5 + 0.004 L)	(3.5 + 0.004 L)	(3.5 + 0.004 L)	(4.5 + 0.005 L)
Max. driving speed [mm/s]	X, Y	400		300			
	Z	150					
Stage glass size [mm]	W x D	883 x 958	1186 x 1186	1440 x 1440	1714 x 1968	2460 x 2460	
Max. workpiece mass [kg]		10	30	30	30	30	
Dimensions	W x D x H	1475 x 1716 x 1578	1912 x 2086 x 1603	2166 x 2340 x 1544	2440 x 2868 x 1554	3400 x 3950 x 1800	
mass [kg]	Main unit	2570	2950	3600	4500	9300	
Temperature range in which the accuracy is warranted [°C]		20 ± 1					