

**LEGEX 500 / 700 / 900 / 1200**

Model				LEGEX				
				574	774	776	9106	12128
Measuring range	X axis		510	710	710	910	1210	
	Y axis		710			1010	1210	
	Z axis	[mm]	455		605		805	
Workpiece	max. height	[mm]	595		745		1060	
	max. mass	[kg]	200	500		800	1000	
Workpiece clamping	Number of threaded bores M8		17	16		28	29	
Length measuring accuracy DIN EN ISO 10360-2:2002	MPE <sub>E</sub> at 18°C - 22°C *1	TP7MEP, MTP2000	[μm]; L in [mm]	0,45 + 0,1 L/100			0,8 + 0,15 L/100	
		SP25M, SP80		0,45 + 0,1 L/100			0,8 + 0,15 L/100	
		MPP300Q		0,35 + 0,1 L/100			0,6 + 0,15 L/100	
Probing error DIN EN ISO 10360-2:2002	MPE <sub>P</sub>	TP7MEP, MTP2000	[μm]	0,6			0,8	
		MPP300Q		0,45			0,6	
		SP25M, SP80		0,6			0,8	
Scanning probing error DIN EN ISO 10360-4:2002	MPE <sub>THP</sub> / MPT	MPP300Q	[μm] / [s]	1,4 / 150			1,8 / 150	
		SP80, SP25M		1,4 / 120			1,8 / 150	
Resolution of length measuring systems			[mm]	0,00001				
Guidance			Air bearings on all axes					
Vibration clamping			incorporated					
Drive speed	CNC mode	each axis/ composite speed	[mm/s]	8 - 120 / max. 200				
		Joystick		0 - 80				
	slow	0,01						
Max. acceleration		each axis/ composite speed	[mm/s <sup>2</sup> ]	588 / 981				
Measuring speed	CNC mode		[mm/s]	1 - 3				
Measuring stage	Material			Cast iron (ceramics coating: optional)				
	Dimensions		[mm]	550 x 750	750 x 750	950 x 1050	1250 x 1250	
Air consumption	[l/min] bei [MPa]		30 / 0,4					
Air source	[l/min] bei [MPa]		40 / 0,5 - 0,8					
Dimensions (controller not included)	Width	[mm]	1436	1686		1886	2186	
	Depth	[mm]	2540	2596		3200	3622	
	Height	[mm]	2595	2585	2885	3030	3590,5	
Mass incl. stand and controller			[kg]	3500	5000	5100	6500	10500

\*1: Temperature gradients: 0.5 K / h, 1 K / 24h; vertical 1 K / m, horizontal 1 K / m

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Products of this series come equipped with a safety system for the detection of potential function-impairing vibration to the measuring system. Activation of the security system leads to a time-delayed system shut-off. Uninterrupted functioning of the measuring device may be secured with a timely release of the security system by Mitutoyo service personnel.