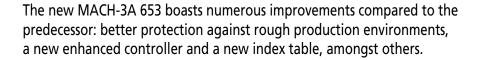


MACH-3A 653



MACH-3A 653 – the high throughput in-line CNC CMM

Measuring as quick as it can get: The new MACH-3A 653 with horizontal spindle and index table is developed for ultra-fast in-line measurement in production environments. It achieves outstanding throughput at a compact foot print.





Specifications		MACH-3A 653	
Measuring range	X	600 mm	
	Υ	500 mm	
	Z	280 mm	
Guide method		Linear mechanical guide for each axis	
Drive speed	CNC MODE	Moving speed: each axis 8~700 mm/s (Max. composed speed: 1212 mm/s)	
		Measuring speed: 1~30 mm/s (TP7M / SP25M), 1~20 mm/s (TP20)	
	J/S MODE	Moving speed: 0~80 mm/s	
		Measuring speed: 0~3 mm/s	
		Fine speed: 0.05 mm/s	
Driving acceleration		6860 mm/s² (Max. composed acceleration: 11882 mm/s²)	
Scale		Linear encoder	
Resolution		0.0001 mm	
Dimensions (Height×Width×Depth)	Main unit Controller	1925 × 1374 × 1280 mm 1533 ×556 ×761mm	
Machine mass	Including controller and stand	1400 kg	

Accuracy*

Temperature range	TP7M (φ 4×20 mm)	TP20 (φ 3×10 mm)	SP25M (φ 4×50 mm)
19 ~ 21°C	2.5 + 3.5L / 1000	2.7 + 3.5L / 1000	2.2+3.5L / 1000
15 ~ 25°C	2.8 + 4.2L / 1000	3.0 + 4.2L / 1000	2.5+4.2L / 1000
10 ~ 30°C	3.2 + 5.0L / 1000	3.4 + 5.0L / 1000	2.9+5.0L / 1000
5 ~ 35°C	3.5 + 5.7L / 1000	3.7 + 5.7L / 1000	3.2+5.7L / 1000
5 ~ 40°C	3.9 + 6.5L / 1000	4.1 + 6.5L / 1000	3.6+6.5L / 1000

^{*} $E_{0,MPE}$ according to ISO 10360-2:2009, results in μ m, L = measured length in mm)



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