



COORD3 UNIVERSAL CNC CMM MACHINE

Category: Manual Video Measuring Machine

FEATURES AND BENEFITS

- Ultra-rigid mechanical structure for maximum accuracy in scanning
- Highly responsive structure to environmental temperature changes
- CAD FEA-assisted design of the extruded aluminum alloy crossmember to minimize inertial effects at maximum dynamics
- Monolithic granite support surface with integral dovetailed slide rail
- Grid of M8 holes for fixing equipment on the support surface
- Sliding system on pneumostatic pads with ultra-rigid isostatic support on all measuring axes
- Z-axis pneumatic balancing
- High-resolution (0.1-micron) carrier-scrolling optical scales with dynamic signal processing
- Digital trajectory control system for metrological performance optimization
- Hysteresis-free toothed belt drive system on all axes
- Passive environmental vibration isolation system
- Easy access to the measurement volume
- Vector positioning speed up to 866mm/sec
- Vector acceleration up to 1500mm/sec²

CMM UNIVERSAL

PERFORMANCE

Models	T _p : 18÷22 °C											Max. 3D Pos. Speed	Max. 3D Accel.
	PH10M/MQ/T/PH20-TP20			PH10M/MQ/T-TP200			PH10M/PH10MQ-SP25M-REVO-SP80						
	MPE _{EO/50} ⁽¹⁾	MPL ₅₀ ⁽²⁾	MPE(PFTU) ⁽³⁾	MPE _{EO/50} ⁽¹⁾	MPL ₅₀ ⁽²⁾	MPE(PFTU) ⁽³⁾	MPE _{EO/50} ⁽¹⁾	MPL ₅₀ ⁽²⁾	MPE(PFTU) ⁽³⁾	MPE _{Tij} ⁽⁴⁾	MPT _{Tij} ⁽⁵⁾		
	[μm]	[μm]	[μm]	[μm]	[μm]	[μm]	[μm]	[μm]	[μm]	[μm]	[sec]		
xx.07.07	1,9 + 3,0 L/1000	1,9	2,0	1,8 + 3,0 L/1000	1,7	1,8	1,5 + 3,0 L/1000	1,4	1,7	3,0	90	866	2000
xx.09.08	1,9 + 3,0 L/1000	1,9	2,0	1,8 + 3,0 L/1000	1,7	1,8	1,5 + 3,0 L/1000	1,4	1,7	3,0	90	866	2000
xx.10.08	2,0 + 3,0 L/1000	2,0	2,1	1,9 + 3,0 L/1000	1,8	1,9	1,7 + 3,0 L/1000	1,6	1,7	3,4	90	866	2000
xx.10.09	2,2 + 3,0 L/1000	2,2	2,2	2,0 + 3,0 L/1000	1,9	2,0	1,9 + 3,0 L/1000	1,8	1,9	4,0	90	866	1500
xx.10.10	2,5 + 3,0 L/1000	2,5	2,5	2,4 + 3,0 L/1000	2,3	2,4	2,4 + 3,0 L/1000	2,3	2,4	4,8	90	866	1200
xx.12.10	2,7 + 3,0 L/1000	2,7	2,7	2,5 + 3,0 L/1000	2,4	2,5	2,4 + 3,0 L/1000	2,3	2,4	4,8	90	866	1200
xx.15.10	2,8 + 3,5 L/1000	2,8	2,8	2,6 + 3,5 L/1000	2,5	2,6	2,5 + 3,5 L/1000	2,4	2,5	5,0	90	866	1000
xx.15.13	3,5 + 3,5 L/1000	3,5	3,5	3,0 + 3,5 L/1000	2,9	3,0	3,0 + 3,5 L/1000	2,8	3,0	5,8	90	800	900