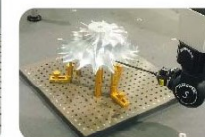
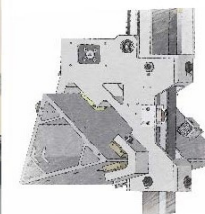


Tornado Series CMM

THE HIGH EFFICIENT SOLUTION
FOR WORKPIECE INSPECTION



Tornado series CMM is made of aviation grade aluminum alloy, which could be able to locate and measure workpiece at an extremely fast speed, meets customer requirements for high measurement efficiency.

Performance Characteristics

- Four-sided air-floating structure used in Y axis, eliminating the movement of torsion pendulum to ensure that the machine's high rigidity, and high stability.
- Y-axis drive near the movement center, the main support lighter, thereby reducing the weight of moving parts to ensure that the machine's high-speed and high stability.
- Precision triangular beam technology is applied to Axis X, with aviation grade aluminum alloy, featuring lower center of gravity, better mass-rigidity ratio and more reliable motion relative to rectangular and cross beams.
- Z-axis and carriage are all adopted to the aviation grade aluminum alloy material, ensuring the same expansion technology, working in more harsh temperature environment.

MODEL	STROKES			MEASURING ACCURACY		OVERALL SIZE			WORK ENVELOPE			WEIGHT	PART WEIGHT
	X	Y	Z	ISO10360 2:2009/GB/T16857.2 2006		Lx	Ly	Lz	Wx	Wy	Wz		
				S									
	mm	mm	mm	MPEE(um)	MPEP(um)	mm	mm	mm	mm	mm	mm	kg	kg
NCA454	400	500	400	2.1+3.3L/1000	2.2	1000	1240	2240	525	995	600	690	500
NCA564	500	600	400	2.1+3.3L/1000	2.2	1100	1310	2210	625	1095	600	720	500
NCA686	600	800	600	2.2+3.3L/1000	2.3	1200	1650	2660	730	1400	800	973	700
NCA8106	800	1000	600	2.2+3.3L/1000	2.3	1400	1850	2660	930	1600	800	1290	1000
NCA8156	800	1500	600	2.2+3.3L/1000	2.3	1400	2350	2660	930	2100	800	1620	1000
NCA10128	1000	1200	800	2.5+3.3L/1000	2.7	1700	2370	3150	1190	1814	1040	2520	1800
NCA10158	1000	1500	800	2.5+3.3L/1000	2.7	1700	2670	3150	1190	2114	1040	2950	1800
NCA10208	1000	2000	800	2.5+3.3L/1000	2.7	1700	3270	3150	1190	2614	1040	3650	1800
NCA121510	1200	1500	1000	3.0+3.3L/1000	3.0	1884	2750	3400	1390	2200	1200	4060	2000
NCA122010	1200	2000	1000	3.0+3.3L/1000	3.0	1884	3350	3330	1390	2700	1200	4700	2000
NCA152010	1500	2000	1000	3.3+3.3L/1000	3.3	2210	3350	3370	1690	2700	1200	5280	3000
NCA152510	1500	2500	1000	3.3+3.3L/1000	3.2	2210	3850	3400	1690	3200	1200	5950	3000
NCA153010	1500	3000	1000	3.2+4L/1000	3.2	2255	3910	3420	1690	3700	1200	6890	3000
NCA152512	1500	2500	1200	3.8+4L/1000	3.8	2210	3850	3870	1690	3200	1400	5950	3000
NCA153512	1500	3500	1200	3.8+4L/1000	3.8	2255	4410	3890	1690	4200	1400	7890	3000
NCA15**12	1500	XX	1200	3.8+4L/1000	3.8	2200	XX	3370	1690	XX	1400	XX	XX
NCA163515	1600	3500	1500	4.0+4L/1000	4.0	2360	4540	4520	1780	4330	1700	8640	3000
NCA16**15	1600	XX	1500	4.0+4L/1000	3.9	2200	XX	3370	1600	XX	1700	XX	XX
NCA203015	2000	3000	1500	5.0+4L/1000	5.0	2360	4240	4520	1780	3930	1700	9460	3000

- Power Voltage: 220V
- Air Pressure: 0.5-1.0Mpa
- Filter Accuracy: 0.3μm
- Air Supply: 0.3-0.45m³/min

- Temperature Range: 18-22°C
- Hourly Temperature Cycle: 1°C/h
- Thermal Gradient: 1°C/m
- Relative Humidity: 45%-75%