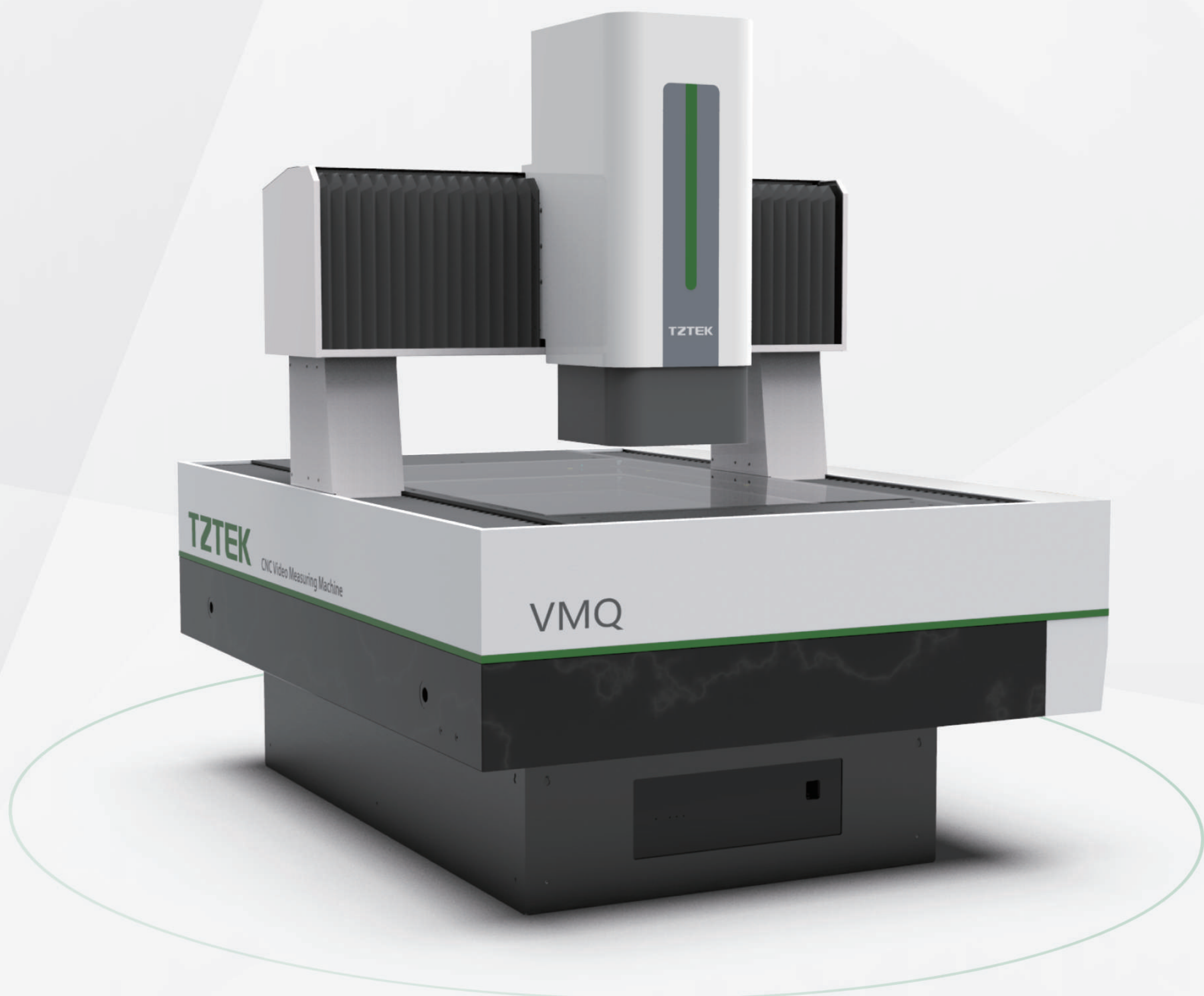


VMQ Gantry Quick Video Measuring Machine

VMQ Gantry Quick Video Measuring Machine combines advantages of a large travel range from a gantry measuring machine with large field of view from a quick measuring machine, allowing for fast, high-precision measurement of large workpieces.



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Features

- Large travel range, high accuracy, high efficiency and quick measurement
 - Large field of view, wide depth of view and high resolution
 - Automatic image registration, quick positioning of work pieces without assistance of fixture
 - Joystick is provided for easy operation
- Granite structure enables high precision and stability
 - Gantry mobile bridge structure with large travel range enables silent measurement, efficiency and safety
 - Optional chromatic confocal sensor, ring auxiliary light, manual/automatic pressure plate etc.

Specification

Model		VMQ452	VMQ682	VMQ8102
Travel(mm) ^[1]		400×500×200	600×800×200	800×1000×200
External Dimensions(mm)		1255 × 1532 × 1747	1455 × 1732 × 1747	1715 × 2212 × 1777
Mass (kg)		1500	1900	2900
Max. Stage Loading (kg)		80		
Accuracy ^[2] (μm)	FOV(mm)	φ100		
	Stage unmoving	2.8		
	Stage moving	E2=(4.0+L/200)		
	FOV(mm)	25x25		
	Stage unmoving	1.5		
	Stage moving	E2=(2.5+L/200)		
Optics		Dual telecentric lens with double FOVs		
Illumination	Profile	LED cold light, 256 brightness adjustable		
	Surface	Programmable 2 rings 4 segments LED cold light, each segment independently controlled		
	Coaxial	Optional, LED cold light, 256 level adjustable brightness		
Camera		High definition black & white industrial digital camera		
Drive system		4-axis CNC servo control system		
Speed (mm/s)	XY	500		
	Z	100		
Guide		3-axis precise linear guide		
Scale		0.5 μm		
The Min Unit (μm)		0.1		
Image Processing		Advanced TZTEK image processing method: 256 gray level, 20:1 sub- pixel processing technology		
Software		Vispec (VMQ Version)		
Environment		Temperature20°C±2°C, Humidity 30-80%		
		Vibration<0.002 g, below 15 Hz		
Power		200-240 vac, 50/60 Hz, 1 phase, 700 W		

[1]Customizable for other travel range like 16202, 12202

[2] L is the measured length in mm, determined by TZTEK's inspection method.