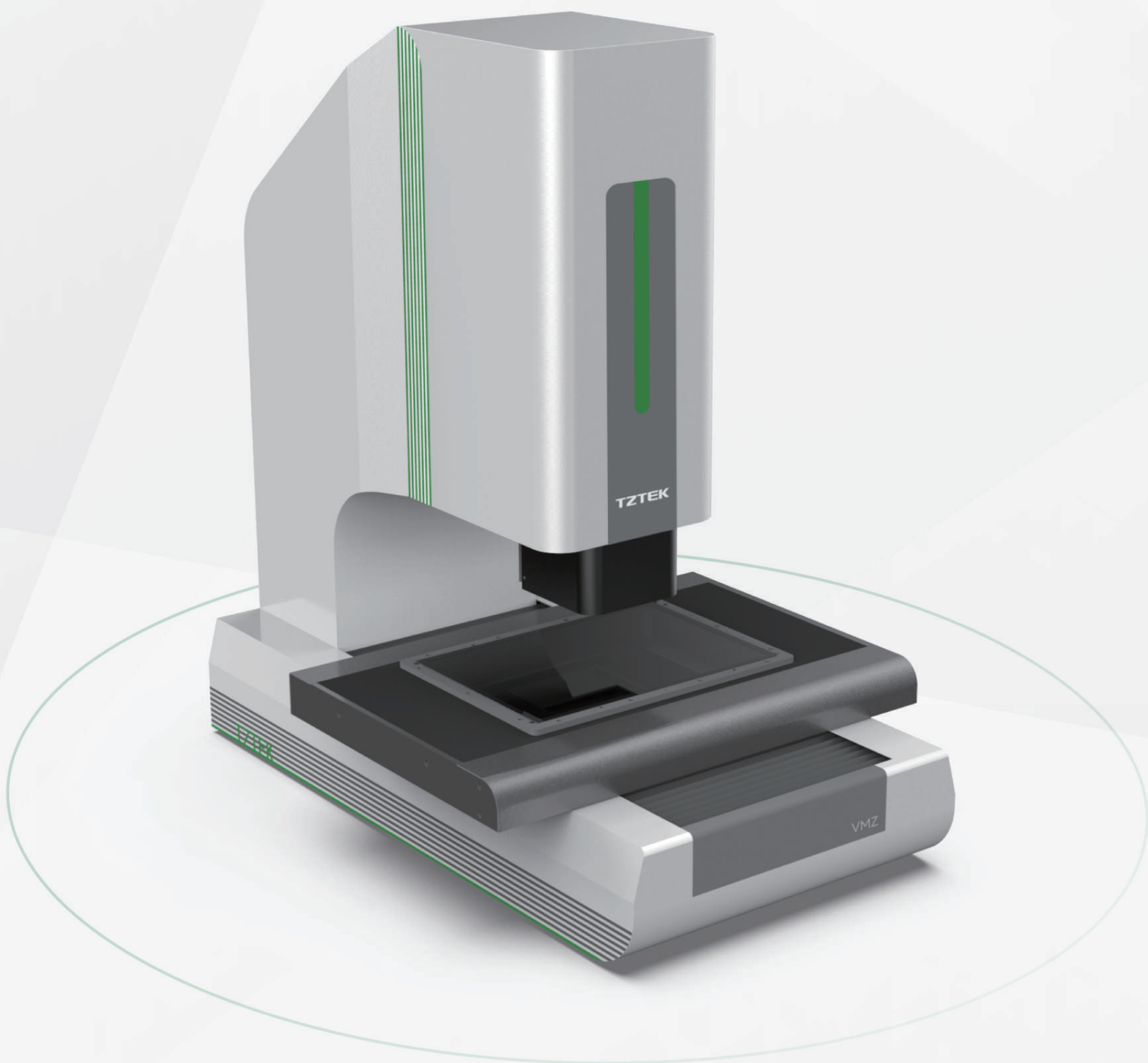


VMZ Zenith Video Measuring Machine

VMZ Zenith Video Measuring Machine with a sub-micron accuracy, is designed specially for high accuracy measurement scenarios like semiconductor, microassembly and optical communication.



TZTEK Technology Co.,Ltd

Stoke Code: 688003

E-mail: sales@tztek.com

Tel: (0086) 400-885-2280

Web: www.tztek.com

Add: No.188 Wutaishan Road, New District, Suzhou, Jiangsu, P.R.China



Official Website

Features

- Optional microscope lens with high magnification of 25-6360x
- Programmable surface light, profile light and coaxial light, available illumination configuration to meet different applications
- Several optional optics for various measuring requirements
- Application of nanoscale ultra-low expansion coefficient scale, ensuring high precision and stability
- Granite structure provides high precision and stability
- Optional chromatic confocal sensor

Specification

Model		VMZ432-T1	VMZ432-T2			VMZ432-T3	
Travel(mm)		400×300×200 ^[1]					
External Dimensions (mm)		800×1240×1762					
Mass (kg)		420	450				
Max. Stage Loading (kg)		25					
Optics		Auto zoom lens		Microscope lens	Auto zoom lens	Microscope lens	
Magnification ^[2]		25-338×		1131×/2829×	52-680×		
Measuring Range(mm)	Single lens	380×300					
	Lens coincidence	-	325×300				
Accuracy ^[3] (μm)	X/Y linear	E1=(0.7+L/300)					
	XY area	E2=(0.8+L/300)					
	Z linear	E1=(2.8+L/300)	E1=(2.8+L/150)	E1=(0.9+L/150)	E1=(2.8+L/150)		
Illumination	Profile	LED cold light, 256 brightness adjustable					
	Surface	Programmable 6 rings 8 segments LED cold light 256 brightness adjustable	LED cold light 256 brightness adjustable	-	LED cold light 256 brightness adjustable		
	Coaxial	LED cold light, 256 brightness adjustable					
Camera		High definition industrial color digital camera					
Drive system		4-axis CNC servo control system					
Speed (mm/s)	XY	100					
	Z	50					
Guide		Ultra high precision linear guide rail					
Scale		0.01μm ultra-high precision scale					
The Min Unit (μm)		0.01					
Image Processing		Advanced TZTEK image processing method: 256 gray level, 20:1 sub- pixel processing technology					
Software		Vispec (VMZ Version)					
Environment		Temperature20℃±2℃, 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.

[2] Magnification is approximate and depends on the size and resolution of the monitor.

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

[4] Optional objective lens 10×、20×、50×.