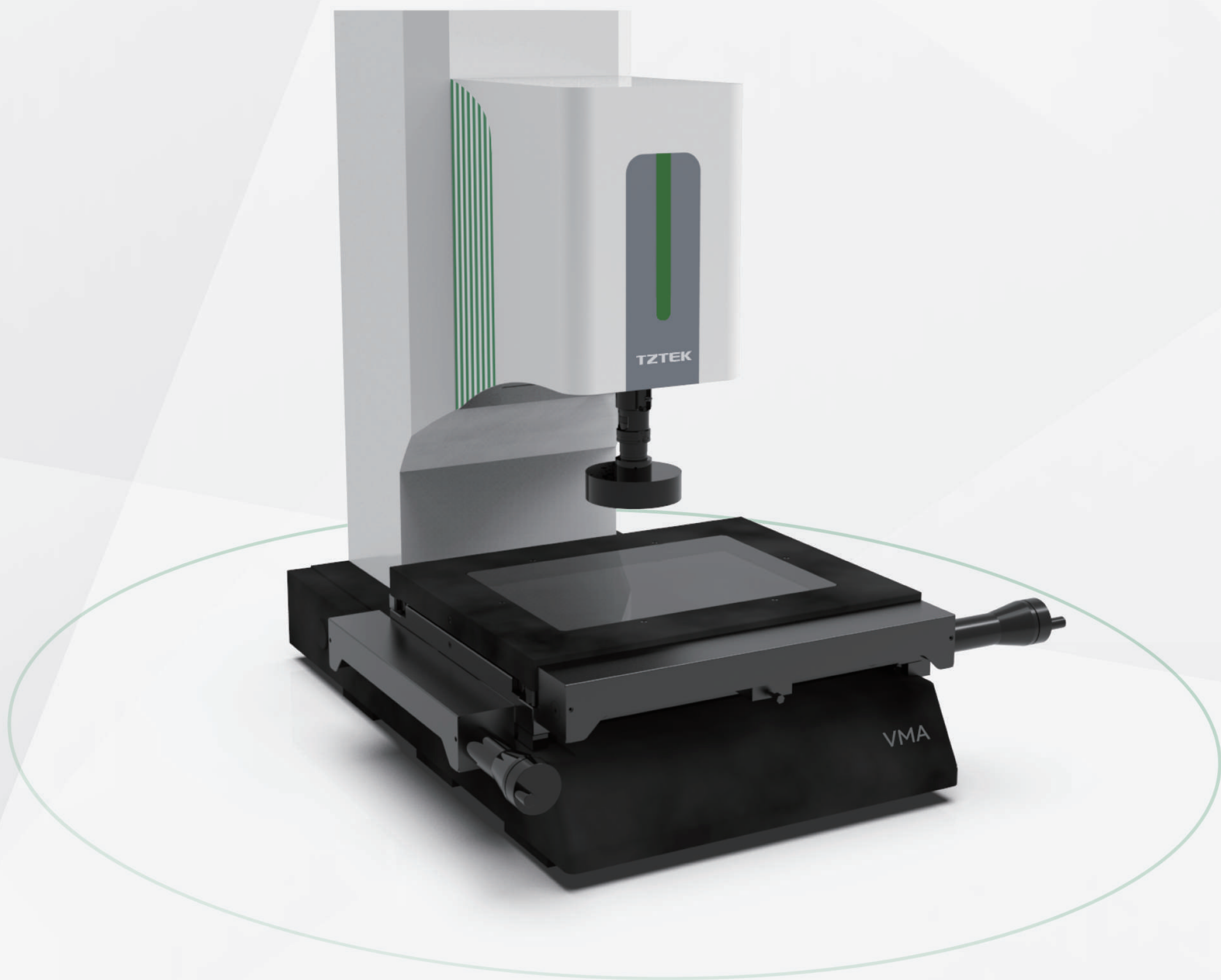


VMA Semi-auto Video Measuring Machine

VMA Semi-auto Video Measuring Machine is easy to use and has report output function. It can measure points, lines, circles and other elements. It is suitable for the measurement of many kinds and small batches of products.



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Features

- Manual zoom lens, magnification identified automatically with software
 - Magnification 25-160×
 - Programmed ring surface light, Profile light, etc.
 - Z axis with motor to automatic focusing, height measurement and lifting
- Auto-focusing, auto-illumination, automatic edge capturing
 - Granite structure that provides high precision and stability
 - Optional contact probe, coaxial light etc.

Specification

Model		VMA2515	VMA3020	VMA4030
Travel (mm) ^[1]		250×150×150	300×200×200	400×300×200
External Dimensions (mm)		604×880×1470	683×880×1580	720×980×1470
Mass (kg)		235	305	395
Max. Stage Loading (kg)		25		
Accuracy ^[2] (μm)	X/Y linear	E1=(2.7+L/200)		
	XY area	E2=(3.0+L/200)		
Optics		Electronics boxout lens, 6.5:1 continuous zooming		
Magnification ^[3]		25-160×		
Illumination	Profile	LED cold light, 256 brightness adjustable		
	Surface	LED cold light, 256 brightness adjustable		
	Coaxial ^[4]	Optional, LED cold light, 256 brightness adjustable		
Camera		Industrial color digital camera		
Guide		Cross roller guide		
Scale		1.0 μm		
The Min Unit (μm)		0.1		
Image sensor		Advanced TZTEK image processing method: 256 gray level, 20:1 sub-pixel processing technique		
Software		Vispec (VMA Version)		
Environment		Temperature20℃±2, Humidity30-80%		
		Vibration<0.002 g, below 15 Hz		
Power		100-240 vac, 50/60 Hz, 1 phase, 100 W		

[1] The measurement range does not include Z-axis

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

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

[4] Coaxial lighting is available for option. The specification is same as profile lighting

0.5×or 1.5× or 2×additional lens are available for option with the magnification 13-80× or 37-240×or 50-320×.