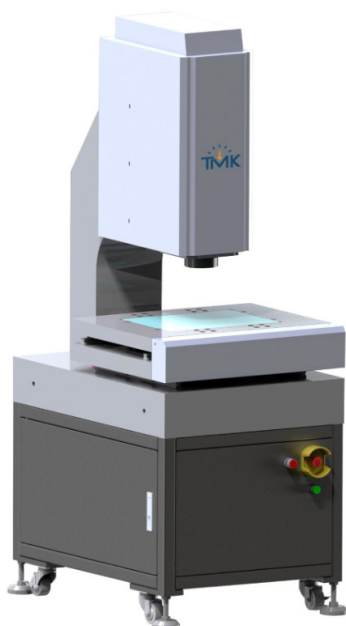# AUTOMATIC VISION MEASURING SYSTEMS (CNC-VMS)

The C Series Manual Video Measuring Systems are ideal when quick measurements for quality control are needed. It provides you fast & accurate measurement of complex precision parts.

The machine is able to work with touch probes & non/contact measuring sensors, which give more possibilities and efficiency to the series.

FEATURES

- Integrated machine, stable, safe and reliable.
- Quick AF, automatic adge.
- Wonderful programming and automatic measurement function.
- Grinding grade screw transmission, accurate position, high movement precision, high precision granite base, working platform, pillar, ensure machine stability.
- Three-axis servo closed-loop control system.
- Software is convenient in operation, and conforming to international Microscope Office software operating habits.

SPECIFICATIONS

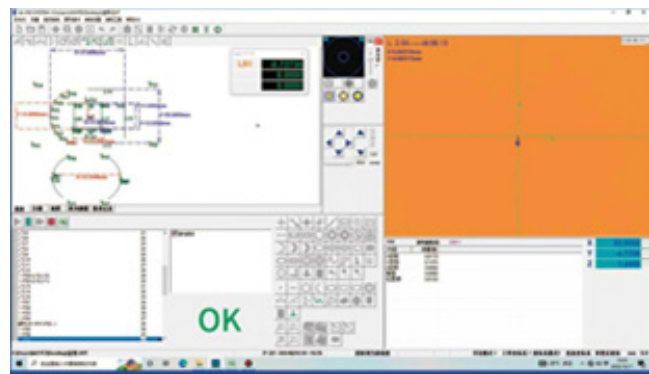| MODEL	VMS-300A	VMS-400A	VMS-500A
X-Y-Z stroke	300x200x200	400x300x200	500x400x200
Granite size	580x360	720x490	900x610
Stage glass size	348x238	448x340	548x448
Max loading weight	20kg		
Overvation & image	CMOS 1/2" color digital camera (1.3MP) Zoom lens: 0,.7-4,5X Monitor manification: 25-180X TMK 3D CNC Measure sorfware		
X/Y accuracy	2.5 ± L/200 µm		
Z accuracy	3 ± L/200 µm		
Working distance	90mm		
View field	1.2-8.2mm		
Ilumination unit	White LED transmission light source White LED 4 ring and 8 area programmable light source		
Instrument power sources	AC220/50Hz		
Dimensions	782x882x1617mm	875x1142x1591mm	1015x1372x1596mm
Net weight	310kg	408kg	510kg

OPTIONAL

Optional probe can have 3D measure function, intuitive 3D graphic display, let user improve the efficiency of probe measurement.

Confocal white light sensor is selected for laser laser, and the machine is upgraded to laser scanning measurement system.

Measure coordinate of point	Measure length, withd and diameter of key slot
Measure center coordinate and axis length of elipse	Measure angle of 2 lines
Measure length of open curve	Measure length and diameter of arc
Measure distance of 2 elements	Measure width and diameter of ring.
Measure center coordinate, diameter and area of circle	Measure distance between 2 points
Measure length, withd and area of rectangle.	Measure focus distance of surfce
Measure length and area of closed curve	

TMK