

# 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	705-11-3020	705-11-4030	705-11-5040
Stroke (X, Y, Z), mm	300×200×200	400×300×200	500×400×200
Stage glass size, mm	370×270	420×320	520×420
Maximum stage loading	20kg		
X/Y Linear Accuracy	(2.0 + L/200) µm	(2.3 + L/200) µm	
Z Accuracy	(5 + L/100) µm		
X, Y, Z Resolution	0.5 µm		
Observation and Image	1/2" GIGE Color Camera 1.3MP		
	Zoom Lens: 0.7X ~ 4.5X auto zoom lens		
	Monitor magnification: 40X ~ 250X		
	PI 3D Automatic Measurement software		
	Working distance: 90 mm		

MODEL	705-11-3020	705-11-4030	705-11-5040
Illumination unit	White LED 3 ring 8 region programmable ring light source White LED transmission light source		
Dimensions, mm	White LED transmission light source	950×730×1770	1100×880×1770
Net Weight	320 kg	420 kg	620 kg
Dimensions	782 x 882 x 1617mm	875 x 1142 x 1591mm	1015 x 1372x1596mm
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, width and diameter of key slot
 Measure center coordinate and axis length of ellipse	 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, width and area of rectangle	 Measure focus distance of surface
 Measure length and area of closed curve	