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High Precision | Smart Software | R&D Team

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VISION MEASURING MACHINES

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ABOUT JINUOSH

CUSTOMER FIRST QUALITY CONTROL TEAM WORK

Guangdong Jinuosh Technology Co., Ltd. is a hightech enterprise egaged in the research and development,production and sales of optical microscope, precision measuring instruments experimental equipment and various optica components and components, with a technical teamand management team specializing in the development of advanced products and proces research.

Always follow: "customer first, quality first perfect" quality policy, wholeheartedly for domesti and foreign customers to provide beautiful shape,excellent performance, reasonable price,user satisfaction's testing equipment products, the products are mainly exported,our company has won the trust and praise of many customers by providing allround assistance, high quality and sincere service. The company has gradually established the leading position in the testing instrument industry in China.In the domestic and international markets to establish a good brand, with its strong strength and good reputation in the industry, to become the world's top brands of excellent partners.

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CATALOGUE



E Series

MANUAL VISION MEASURING MACHINE



Feature

- ◆ Green bottom light source will makes the imaging effect clearer.
- ◆ Can find the specific position of the measured workpiece through the laser pointer, can adapt to the complex workpiece measurement.
- ◆ High resolution HD color camera.
- ◆ Z axis measuring to enable 3D features.
- ◆ High precision granite base, column, to ensure high stability and rigidity.
- ◆ Automatic Edge Grab: This feature detects the edges of the part you're measuring automatically, making it quick and easy to measure complex shapes without mistakes.
- ◆ Imaging instrument measuring instrument software, powerful, simple measurement.

Specification

Model	E200	E300	E400	E500
Measuring range(mm)(X · Y · Z)	200×100×200	300×200×200	400×300×200	500×400×200
Measuring Accuracy (μm)	2.5+L/200	2.5+L/200	2.5+L/200	2.5+L/200
Z Accuracy (μm)	3.0+L/50	3.0+L/50	3.0+L/50	3.0+L/50
Image and Measuring	CCD	1/2 "GIGE Color Camera,1.3MP		
	Lens	Manual zoom lens 0.7-4.5X		
	Magnification	40X~250X		
	Working distance	90mm		
	Lens position identifier	Double laser pointer		
	Software	JINUOSH M-VM SYSTEM software		
Linear scale resolution	0.5μm			
Driving system	Manual control of X/Y/Z axes			
llumination	White LED ring light source + Green LED transmission parallel light source			
Weight	95KG	135KG	210KG	283KG
Dimension(mm)(L · W · H)	720×470×860	740×580×930	890×650×1070	1040×740×980

*L= is the measured length ,unit mm



M Series

SEMI-AUTO VIDEO MEASURING SYSTEM



Feature

- ◆ Z axis CNC automatic control.
- ◆ Lens: multi-position motorised zoom lens.
- ◆ High precision granite base, column, to ensure high stability and rigidity.
- ◆ A variety of data processing, display, input, output functions.
- ◆ Auto Focus: The machine automatically keeps the part you're measuring in clear view, so you don't have to adjust it yourself. This ensures the measurements are sharp and accurate.
- ◆ Software operate is convience. Metrologists can program routines faster, easier, and in less time.

Specification

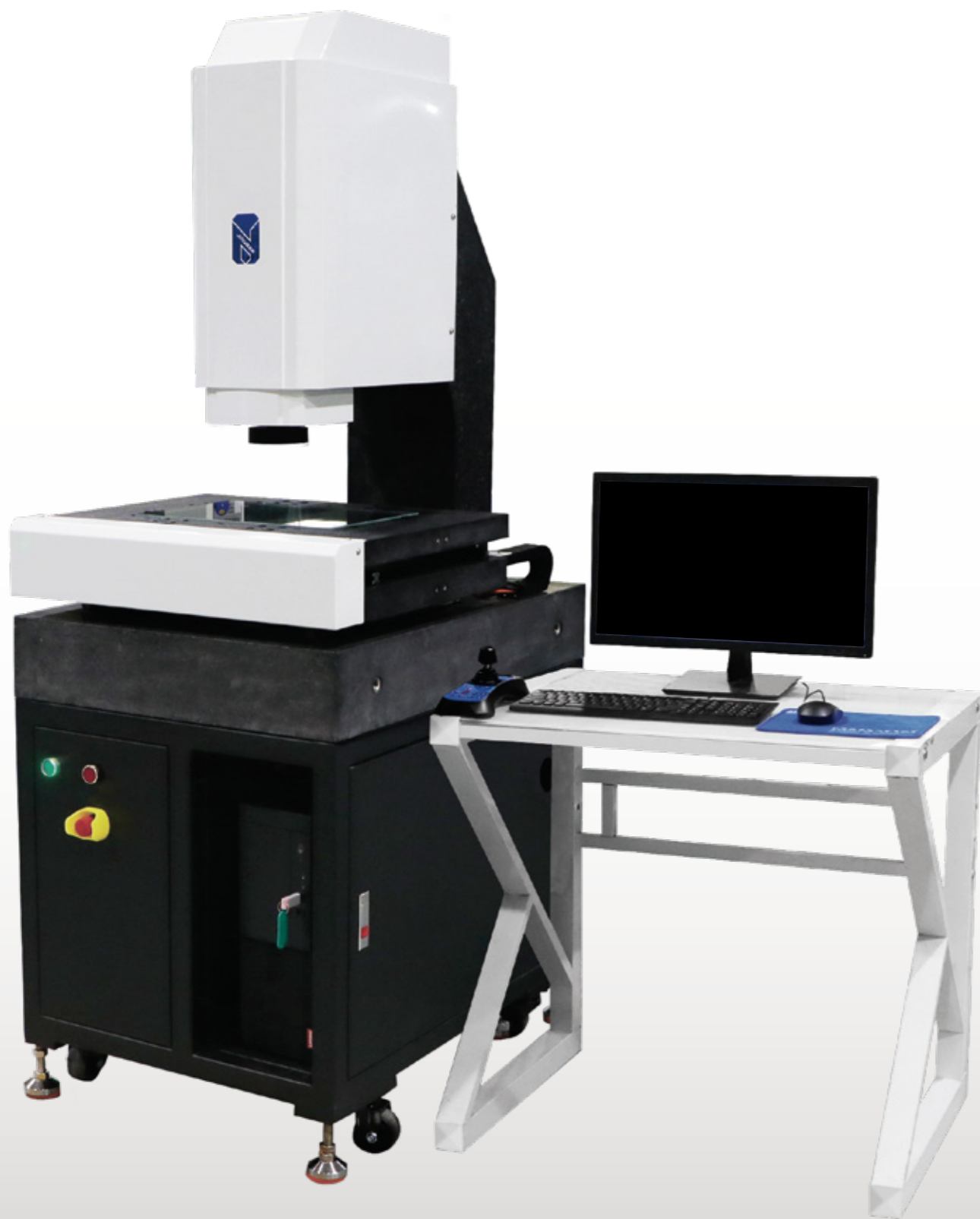
Model	M2010H	M3020H	M4030H	M5040H
Measuring range(mm)(X · Y · Z)	200×100×200	300×200×200	400×300×200	500×400×200
Measuring Accuracy (μm)	3.0+L/200	3.0+L/200	3.0+L/200	3.0+L/200
Z Accuracy (μm)	5.0+L/50	5.0+L/50	5.0+L/50	5.0+L/50
Image and Measuring	CCD	1/2" CMOS color camera		
	Lens	Automatic zoom lens 0.7-4.5X		
	Magnification	40X-250X		
	Working distance	90mm		
	Software	JINUOSH M-VM SYSTEM software		
Linear scale resolution	0.5μm			
Driving system	X/Y axes: Manual control Z axes: CNC control, close-loop AC Servo driving system, mouse control			
Illumination	White LED Transmitted Illumination			
Weight	152KG	228KG	336KG	410KG
Dimension(mm)(L · W · H)	480×780×1650	590×795×1650	660×950×1690	750×1100×1650

*L= is the measured length ,unit mm



C Series

AUTO VIDEO MEASURING SYSTEM



Feature

- ◆ Integrated machine, stable, safe and reliable.
- ◆ Quick AF, automatic edge.
- ◆ 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.

Specification

Model	C300	C400	C500
Measuring range(mm)(X · Y · Z)	300×200×200	400×300×200	500×400×200
Measuring Accuracy (μm)	2.0+L/200	2.3+L/200	2.3+L/200
Z Accuracy (μm)	5.0+L/100	5.0+L/100	5.0+L/100
Image and Measuring	CCD	1/2 "GIGE Color Camera,1.3MP	
	Lens	Automatic zoom lens 0.7-4.5X	
	Magnification	40X~250X	
	Working distance	90mm	
	Software	Jinuosh 3D Automatic Measurement Software	
Linear scale resolution	0.5μm		
Driving system	CNC control, close-loop AC Servo driving system, joystick, mouse control		
Illumination	White LED 3-ring 8-area programmable ring light source & White LED transmission light source		
Weight	320KG	420KG	620KG
Dimension(mm)(L · W · H)	850×630×1770	950×730×1770	1100×880×1770

*L= is the measured length ,unit mm



C Series

BRIDGE TYPE

AUTO VIDEO MEASURING SYSTEM



Specification

Model	C650	C850	C1000	C1200
Measuring range(mm)(X · Y · Z)	550×650×200	650×850×200	800×1000×200	1000×1200×200
Measuring Accuracy (μm)	3.0+L/200	3.0+L/200	3.0+L/150	5.0+L/150
Z Accuracy (μm)	5.0+L/100	5.0+L/100	5.0+L/100	5.0+L/100
Image and Measuring	CCD	1/2 "GIGE Color Camera,1.3 MP		
	Lens	Automatic zoom lens 0.7-4.5X		
	Magnification	40X~245X		
	Working distance	90mm		
	Software	JINUOSH A-VM SYSTEM software		
Linear scale resolution	0.5μm			
Driving system	CNC control, close-loop AC Servo driving system, joystick, mouse & keyboard control			
Illumination	White LED 3 ring 8 region programmable ring light source, White LED transmission light source			
Weight	760KG	960KG	1200KG	1500KG
Dimension(mm)(L · W · H)	1450×1150×1700	1800×1250×1700	1920×1420×1700	2250×1650×1700

Model	C1600	C2000	C2600
Measuring range(mm)(X · Y · Z)	1200×1600×200	1400×2000×200	1600×2600×200
Measuring Accuracy (μm)	5.0+L/150	5.0+L/150	5.0+L/150
Z Accuracy (μm)	5.0+L/100	5.0+L/100	5.0+L/100
Image and Measuring	CCD	1/2"GIGE Color Camera,1.3MP	
	Lens	Automatic zoom lens 0.7-4.5X	
	Magnification	40X~245X	
	Working distance	90mm	
	Software	JINUOSH A-VM SYSTEM software	
Linear scale resolution	0.5μm		
Driving system	CNC control, close-loop AC Servo driving system, joystick, mouse & keyboard control		
Illumination	White LED 3 ring 8 region programmable ring light source, White LED transmission light source		
Weight	3500KG	5000KG	7000KG
Dimension(mm)(L · W · H)	2650×1850×1700	3050×2050×1700	3500×2700×1700

*L= is the measured length ,unit mm



G Series

COLUMN TYPE

AUTO VIDEO MEASURING SYSTEM



Feature

- ◆ Offers programmable multi lighting control, 7 ring 8 area surface light and coaxial lights.
- ◆ Green bottom light help increasing the contrast of the outline so improve the quality of the image and make it easier for the operator to identify the object.
- ◆ High precision granite base, working platform, pillar, ensure the long-term stability.
- ◆ Auto testing: automatic focus, automatic measurement, automatic edge, lamp light adjustment automatically, automatic switch ratio, ensure the high efficiency of measurement.
- ◆ High-speed image auto focus enables highly accurate height measurement.
- ◆ Non-Stop Automatic Measurement, Accurate measurement can be achieved despite variation in component positioning.

Specification

Model	G300	G400	G500
Measuring range(mm)(X · Y · Z)	300×200×200	400×300×200	500×400×200
Measuring Accuracy (μm)	1.5+L/200	1.7+L/200	1.7+L/200
Vector Accuracy (μm)	2.0+L/200	2.0+L/200	2.0+L/200
Z Accuracy (μm)	3.0+L/100	3.0+L/100	3.0+L/100
Repeatability (μm)	1.0	1.0	1.0
Image and Measuring	CCD	1/1.7 "GIGE Color Camera, 2 MP	
	Lens	Automatic zoom lens 0.7-4.5X	
	Magnification	40X~245X	
	Working distance	82mm	
	Software	JINUOSH A-VM SYSTEM software	
Linear scale resolution	0.1μm		
Driving system	CNC control, close-loop AC Servo driving system, joystick, mouse & keyboard control		
Illumination	White LED 7 ring 8 region programmable ring light source, Green LED transmission light source + coaxial light source		
Weight	310KG	420KG	620KG
Dimension(mm)(L · W · H)	640×910×1650	810×1200×1650	1100×1450×1650

*L= is the measured length , unit mm



G Series

BRIDGE TYPE

AUTO VIDEO MEASURING SYSTEM



Specification

Model	G650	G850	G1000	G1200
Measuring range(mm)(X · Y · Z)	550×650×200	650×850×200	800×1000×200	1000×1200×200
Measuring Accuracy (μm)	2.3+L/200	2.3+L/200	2.3+L/200	2.3+L/150
Vector Accuracy (μm)	3.0+L/150	3.0+L/150	3.0+L/150	3.0+L/150
Z Accuracy (μm)	3.0+L/100	3.0+L/100	3.0+L/100	3.0+L/100
Image and Measuring	CCD	1/1.7 "GIGE Color Camera,2 MP		
	Lens	Automatic zoom lens 0.7-4.5X		
	Magnification	40X~245X		
	Working distance	82mm		
Software	JINUOSH A-VM SYSTEM software			
Linear scale resolution	0.1μm			
Driving system	CNC control, close-loop AC Servo driving system, joystick, mouse & keyboard control			
Illumination	White LED 7 ring 8 region programmable ring light source, Green LED transmission light source + coaxial light source			
Weight	760KG	960KG	1200KG	1500KG
Dimension(mm)(L · W · H)	1450×1150×1700	1800×1250×1700	1920×1420×1700	2250×1650×1700

Model	G1600	G2000	G2600
Measuring range(mm)(X · Y · Z)	1200×1600×200	1400×2000×200	1600×2600×200
Measuring Accuracy (μm)	2.3+L/200	4.0+L/150	4.0+L/150
Vector Accuracy (μm)	3.0+L/150	4.5+L/150	4.5+L/150
Z Accuracy (μm)	3.0+L/100	3.0+L/100	3.0+L/100
Image and Measuring	CCD	1/1.7 "GIGE Color Camera,2 MP	
	Lens	Automatic zoom lens 0.7-4.5X	
	Magnification	40X~245X	
	Working distance	82mm	
Software	JINUOSH A-VM SYSTEM software		
Linear scale resolution	0.1μm		
Driving system	CNC control, close-loop AC Servo driving system, joystick, mouse & keyboard control		
Illumination	White LED 7 ring 8 region programmable ring light source, Green LED transmission light source + coaxial light source		
Weight	3500KG	5000KG	7000KG
Dimension(mm)(L · W · H)	2650×1850×1700	3050×2050×1700	3500×2700×1700

*L= is the measured length ,unit mm



T Series

FLASH MEASURING MACHINE



Feature

- ◆ With one click, anyone can easily obtain accurate and consistent measurement results.
- ◆ Placement of workpiece: no need to position, arbitrary placement.
- ◆ Rapid measurement, up to 512 parts can be measured at the same time.
- ◆ Easy to understand, as the entire part is visible.

Specification

Model	T100	T200	
Field of View (mm)	90×60	170×113	
Measuring Accuracy (μm)	5.0	5.0	
Repeatability (μm)	2.0	2.0	
Measuring speed(within 100 dimensions)	3s	3s	
Image and Measuring	CCD	20 million pixel CCD	
	Lens	Bilateral telecentric lens	
	Depth of field(mm)	30	
	Maximum workpiece height	100mm	
	Working distance	260mm	280mm
Linear scale resolution	0.1μm		
Driving system	CNC control, close-loop AC Servo driving system, mouse control		
Illumination	Parallel backlighting , Circumferential surface light		
Weight	160KG	190KG	
Dimension(mm)(L · W · H)	600×500×1600	600×500×1600	

*L=the measured length ,unit mm



ST Series

FLASH MEASURING MACHINE



Feature

- ◆ No positioning of the part is required.
- ◆ Simultaneous Measurements Performed in Seconds Measurements on up to dozens to hundreds of products in the field of vision can be completed in seconds, greatly reducing the resources spent on measurement work.
- ◆ Accurately detects and measures edges.
- ◆ Automatically reproduces lighting conditions for measurement.
- ◆ Autofocus eliminates focus variations.
- ◆ Large vision Easy to understand, as the entire part is visible.
- ◆ Stable detection with no fine adjustment required.

Specification

Model	ST100	ST200	ST300	
XY Axis(motorized)	—	100 mmx100 mm	200 mmx100 mm	
Z Axis(motorized)	75mm			
Camera	12MP Black and White Digital	12MP Black and White & 8MP color Digital camera		
Monitor	12 inch LCD Monitor(WXGA:1280×800)			
Lens	Bitelecentric Lens			
FOV	Wide field of view measurement mode	82mm×60mm	120 mm×140 mm	220 mm×140 mm
	High-precision measurement mode	—	200 mm×200 mm	300mm×200mm
Resolution	0.1μm			
Image datat	Measuring accuracy	Wide field of view measurement mode	Stage fixed(not moving)	±4.0μm
		Stage Moving	—	±(7.0+L/200)μm
	High-precision measurement mode	Stage fixed(not moving)	—	±2.5μm
		Stage Moving	—	±(4.0+L/200)μm
Repeat accuracy	Wide field of view measurement mode	Stage fixed(not moving)	—	±1.0μm
		Stage Moving	—	±2.0μm
	High-precision measurement mode	Stage fixed(not moving)	—	±0.5μm
		Stage Moving	—	±1.5μm
Lighting system	transmitted illumination	telecentric illumination		
	Surface light	Multi-angle lighting (motorized)		
Weight	28KG	35KG		

*L= is the measured length ,unit mm



FMV Series

FLASH MEASURING MACHINE



Feature

- ◆ FMV series products use large-field image measurement and image stitching technology to realize the position, size, shape, hole location, area and other full-size high-speed measurement of line, frame, PCB, mesh board, precision sheet metal and other products.
- ◆ It can be expanded and customized for online measurement, automatic loading and unloading, automatic sorting.
- ◆ Integrated pixel point calculation and gating displacement calculation, accurate and stable.
- ◆ In the field of vision, more than 100 size positions can be detected in one second, and the measurement efficiency is more than 50 times that of the traditional measuring equipment.

Specification

Model		FMV300	FMV500	
Working Stroke(mm)(X · Y · Z)		230×140×200	430×330×200	
Camera		1", 20MP black and white camera & 8.9MP color camera		
Maximum measurable product size	Wide field of view measurement mode	300×200mm	500×400mm	
	High-precision measurement mode	225×140mm	430×330mm	
Maximum height		75mm	200mm	
Measuring accuracy	Wide field of view measurement mode	Stage fixed(not moving)	±3.9μm	±3.0μm
		Stage Moving	±(7.0+0.02L)μm	±(5.0+0.05L)μm
	High-precision measurement mode	Stage fixed(not moving)	±2.0μm	±1.5μm
		Stage Moving	±(2.8+0.02L)μm	±(2.8+0.05L)μm
Repeat accuracy	Wide field of view measurement mode	Stage fixed(not moving)	±1.0μm	
		Stage Moving	±2.0μm	
	High-precision measurement mode	Stage fixed(not moving)	±0.5μm	
		Stage Moving	±1.5μm	
Linear scale resolution		0.1μm		
Driving system		CNC control, close-loop AC Servo driving system, joystick, mouse keyboard control		
Illumination		Quadruple lighting and circular directional lighting , Telecentric transmission lighting		
Weight		200KG	900KG	
Dimension(mm)(L · W · H)		800×750×1700	900×1340×1700	

*L= is the measured length ,unit mm