JINUOSH

TECOTEC
since 1996
Measuring everything

PRECISON MEASURING

2021 – GENERAL CATALOGUE

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1. MANUAL VISION MEASURING SYSTEMS

MANUAL VISION MEASURING MACHINE

- It has a marble base, columns and countertops. Good stability and strong structural rigidity.

- Two-layer workbench structure reduces mechanical errors and ensures X and Y horizontal motion accuracy.

- Marble work surface, good flatness, good hardness, not easy to scratch, durable.

SPECIFICATION

Code	M-2010H	M-3020H	M-4030H	M-5040H
Range	300X200X200	300x200x200	400x300x200	500x400x200
Stage size	350x200	450*320	550*420	650*520
Glass stage size	230x130	330*230	430*330	530*430
Accuracy X,Y/Z	X.Y ≤ (3 + L / 200) μm (L: (L is the measured length unit mm)			
Resolution X,Y/Z	0,5 μm			
Objective	0.7X – 4,5X (zoom)			
Working distance	90mm			
Video magnification	20-230X			
Camera	High resolution camera (CCD)			
Lighting system	The ring surface light source and the transmission light source are LEDs, and the brightness is adjustable.			
Operation system	Win 7/8/10…			
Driver method	Manual			
Supply	220V (AC) / 50Hz			
Dimension (LxWxH)	500*700*1000	600*800*1100	700*900*1100	800*1000*1200
Max. weight of workpiece	20kg	20kg	20kg	20kg
Weight	170kg	190kg	210kg	300kg
Standard delivery	Main unit * 1, PC * 1, USB * 1, Key * 1, CCD * 1, Scale * 1, Inspecs Certificate.			

2. SEMIAUTOMATIC VISION MEASURING SYSTEMS

To all function of manual vision measuring machine.

We can make X or Y or Z axis automatic.

SPECIFICATION

Code	M-2010	M-3020	M-4030	M-5040
Range	300X200X200	300x200x200	400x300x200	500x400x200
Stage size	350x200	450*320	550*420	650*520
Glass stage size	230x130	330*230	430*330	530*430
Z axis driver method	Automatic			
Accuracy X,Y/Z	X.Y ≤ (3 + L / 200) μm (L: (L is the measured length unit mm)			
Resolution X,Y/Z	0,5 μm			
Objective	0.7X – 4,5X (zoom)			
Working distance	90mm			
Video magnification	20-230X			
Camera	High resolution camera (CCD)			
Lighting system	The ring surface light source and the transmission light source are LEDs, and the brightness is adjustable.			
Operation system	Win 7/8/10…			
Driver method	Manual			
Supply	220V (AC) / 50Hz			
Dimension (LxWxH)	500*700*1000	600*800*1100	700*900*1100	800*1000*1200
Max. weight of workpiece	20kg	20kg	20kg	20kg
Weight	170kg	190kg	210kg	300kg
Standard delivery	Main unit * 1, PC * 1, USB * 1, Key * 1, CCD * 1, Scale * 1, Inspecs Certificate.			

3. AUTOMATIC VISION MEASURING SYSTEMS

AUTOMATIC VISION MEASURING SYSTEMS

- Integral working machine,, stable, high security, powerful reliability. The design of the appearance and structure own patent.

- 0.0001mm high precision Grating.

- Two-tier table structure,reducing mechanical assembly errors ; precision P class liner guide ,transmission screw and Grating with indicating value is put in the middle to ensure X,Y,Z liner precision and X,Y surface precision.

SPECIFICATION

Code	C-300	C-400	C-500	C-600
Range	300*200*200 mm	400*300*200 mm	500*400*200 mm	600*500*200 mm
Stage size	580*360 mm	720*490 mm	900*610 mm	800*700 mm
Glass stage size	348*238 mm	448*340 mm	548*448 mm	700*600 mm
Z axis driver method	High pressure servo motor			
Accuracy X,Y/Z	X/Y:Linear Accuracy: （2.8+L/200)μm （L=length between two arbitrary points mm) Z:≤5μm (standard checking) （L=Height between two arbitrary points mm)			
Resolution X,Y/Z	0.5 μm			
Objective	Optical magnification on camera:0.7x to 4.5x Automatic Zoom Lens			
Working distance	90mm			
Video magnification	Total magnification on monitor: 25-130X			
Camera	COMS color digital camera			
Lighting system	White LED transmission light source and White LED 4-ring 8-area programmable ring light source			
Driver method	High pressure servo motor			
Supply	Don’t understand			
Dimension (LxWxH)	782*882*1617mm	875*1142*1591mm	1015*11372*1596mm	1300*1600*1650mm
Max. weight of workpiece	20Kg	20Kg	20Kg	20Kg
Weight	310Kg	408Kg	510Kg	Don’t understand
Standard delivery	Main unit * 1, PC * 1, USB * 1, Key * 1, CCD * 1, Scale * 1, Inspecs Certificate.			

4. OPTIONS FOR VISION MEASURING MACHINES

Renishaw Touch Probe (include software MJ)

Lens (10X(include), 20X, 50X ……

Z-axis higher (mm)	*250/300/400/500mm*
	Other options

Displacement transducer	*Keyence-lk-g30*
	Omron zw-7020s
	Other options

5. MANUAL TOOLS METALLOGRAPHIC MEASURENT INSTRUMENT

MU series

X series

1 .Optical Part:

Professional differential interference optical head is used.

Multilayer coating technology ensures clarity.

Light path and high power objective lens observation.

It is equipped with LED surface light and bottom light.

2. Host part:

The measuring platform made of granite and the marble gantry structure have four cushions between the marble and the base to achieve the anti-seismic effect. High precision manual grinding guide rail, maximum load-bearing workpiece weight: 50 Kg.

Code	MU series				X series			
	MU2010	MU3020	MU4020	MU5040	X2010	X3020	X4030	X5040
Range	200x100	300x200	400x300	500x400	200x100	300x200	400x300	500x400
Size	650*850*1650	700*850*1650	800*900*1650	850*1050*1650	600*750*920	700*850*920	800*950*920	860*1050*920
Table size	380*320	450*350	550*450	700*600	380*320	450*350	550*450	700*600
Glass size	230*130	330*230	430*330	530*430	230*130	330*230	430*300	530*430
Weight	250kg	330kg	500kg	720kg	250kg	330kg	500kg	720kg
X/Y axis accuracy	2,5μm ± L/200							
Z axis accuracy	1,5 μm ± L/50							
Power	220 (AC), 50 Hz							

6. QUICK MEASURING SYSTEMS

1. Fast: Multiple products can be measured at the same time. After the product is placed, only one button can measure the size of multiple products placed on the platform at the same time, subverting the traditional measurement mode.

2. No one is the error: any person's measurement results are the same.

3. Anyone can operate quickly and easily

4. The product can be placed at will, without any fixture

Specifications:

Code		**ST-80A**	**ST-100A**	**T-100H**	**T-200H**	**T-300H**
Optical lens		One-sided telecentric lens	One-sided telecentric lens	Bilateral telecentric lens	Bilateral telecentric lens	Bilateral telecentric lens
View field range(mm)		Don't understand				
Measurent range		90*60	107*71	90*60	170*113	258*136
Measurent accuracy		±3μm	±5μm	±3μm	±5μm	±5μm
Repeatability		±1.5μm	±2μm	±1.5μm	±2μm	±2μm
Max.weight workpiece(Kg)		15	10	15	10	10
Measurent time		Don't understand				
Measurent data		Don't understand				
Illumination systems	Back light	Backligh	Backlight	Backlight	Backlight	Backlight
	Ring light	Parallel	Parallel	Parallel	Parallel	Parallel
Environmental requirement		25° C±2 ° C 20% to 80% RH	25° C±2 ° C 20% to 80% RH	25° C±2 ° C 20% to 80% RH	25° C±2 ° C 20% to 80% RH	25° C±2 ° C 20% to 80% RH
Demension(mm)		650×430 ×950	650×430 ×950	600×500 ×1550	600×500 ×1600	600×500 ×1600
Weight(Kg)		50	58	160	190	190
Standard delivery		Main unit * 1, PC * 1, USB * 1, Key * 1, CCD * 1, Scale * 1, Inspecs Certificate.				