Manual measuring microscope

Features :

1. Various forms of light sources ensure meeting diverse measurement requirements.
2. Various data processing, display, input and output functions.
3. Workpiece straightening function eliminates the trouble of difficult workpiece straightening.
4. Patented laser pointer technology facilitates focusing and positioning.
5. The foot switch cooperates with the software to make the operation easier.
6. Optical scale display can be connected externally. (optional)

MODEL	M-1510	M-2010	M-2515	M-3020	M-4030
Stage size	354×228mm	404×228mm	450×280mm	500×330mm	606×466mm
XY movement	150×100mm	200×100mm	250×150mm	300×200mm	400×300mm
Weight (KG)	100	110	120	140	240
Device Size (mm)	540×560×860		760×600×900		970×670×940
Focus movement (mm)	200mm				
Working distence (mm)	100mm				
XY accurancy	≦ (3+L/200)um L:unit of length				
Light source	Upper light source LED, lower light source LED, brightness adjustable				
POWER	AC100-240V 50/60Hz				
Optical systeam	ZOOM LENS Continuous zoom telecentric lens 0.7X-4.5X Color camera CCD Magnification 23X-150X				

Semi-automatic measuring microscope

Features :

1. Program-controlled constant current driven eight-segment surface light source lighting.
2. Laser pointer finds the specific measurement position of the workpiece.
3. Height auxiliary measurement.
4. T-slot workbench facilitates the installation of various fixtures.
5. The foot switch cooperates with the software to make the operation easier.
6. Z-axis three speed modes to select focus.

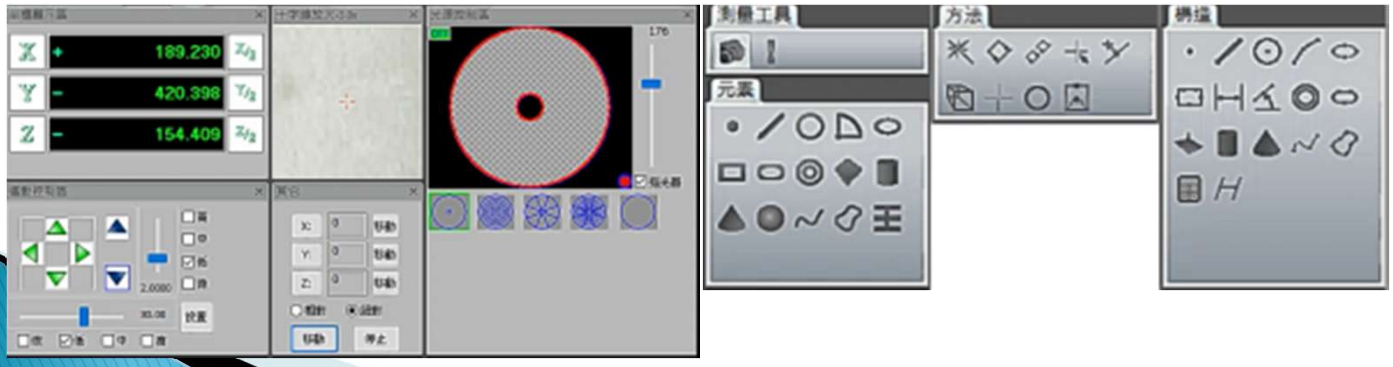
MODEL	M-3020MZ	M-4030MZ
Stage size	500×330mm	606×466mm
XY movement	300×200mm	400×300mm
XYZ accuracy	0.5um	
Z-axis lifting stroke	150mm (Z-axis autofocus)	
Imaging system	Camera: Color 1/3" CCD Lens zoom: 0.7X-4.5X	
	Total magnification ratio: 33X-195X Field of view FOV: 8.1mm-1.3mm	
Weight (KG)	168KG	266KG
Device Size (mm)	760×600×900mm	970×670×940mm

Automatic measuring microscope

1. With fast autofocus, automatic edge finding, powerful programming and automatic measurement functions.
2. Use sub-pixel subdivision technology to improve boundary resolution.
3. Equipped with a control handle and can also be controlled by software program.
4. SPC data processing and analysis, large-volume fixture measurement.
5. Three-axis servo control, high positioning accuracy, fast speed, and smooth operation.
6. Adopt a self-developed embedded module control system to integrate the complex control system inside the instrument, resulting in higher stability.
7. Programmable constant current driven eight-zone surface cold light source, adaptable to complex workpiece measurements.
8. The specific location of the workpiece to be measured can be found through the laser pointer, and the location can be quickly and conveniently.

Operation interface:
Movement direction control and light source settings can be intuitively selected and recorded in template writing.

Measuring element functions:
Various measurement elements can be clicked for operation. The operation drawing area is displayed, and the measurement data can be observed in real time. It can be exported and saved as CAD files.
You can also import CAD files for comparison.



1. Measurement of geometric elements: Fifteen kinds of geometric elements can be measured (points, straight lines, planes, circles, arcs, ellipses, rectangles, keyways, rings, cylinders, cones, spheres, open curves, closed curves and focal planes) , and can measure height and preset basic geometric elements.
   *Features:
   (1). According to the actual measurement needs, you can choose contact measurement - probe measurement, or non-contact measurement - image and laser displacement measurement.
   (2). Multiple measurement methods: intelligent edge finding, overall point collection, multi-segment point collection, mouse point collection, adjacent point collection, cross line point collection, enlarged point collection, comparison point collection, probe point collection and laser Pick up points.
2. Geometric element construction: Powerful geometric element construction function, which can construct two-dimensional and three-dimensional geometric elements.
   *Features:
   (1). A variety of elements can be constructed: such as points, straight lines, circles, arcs, ellipses, rectangles, distances, angles, rings, keyways, planes, cylinders, cones and spheres.
   (2). Multiple construction methods: extraction method, intersection method, perpendicular method, parallel method, tangent method, symmetry method, mirror method, etc.
3. The coordinate system can establish the mechanical coordinate system and the workpiece coordinate system, realize the coordinate transformation of each coordinate system, can easily realize the mutual conversion between the rectangular coordinate system and the polar coordinate system, and can realize the storage and storage of each workpiece coordinate system. Use. You can establish two-dimensional coordinates or three-dimensional coordinates.
4. Unlimited user program recording, editing, saving, and calling functions. The user program can record and edit all user actions to realize copied measurements, greatly improving measurement efficiency. The simple user program teaching method can copy the teaching steps, and the powerful visual editing function facilitates batch inspection.

MODEL		MVJ-3020CB	MVJ-4030CB
STAGE	Stage size (mm)	500×350mm	606×466mm
	XY movement (mm)	300×200mm	400×300mm
XYZ Display resolution		0.5um	
Drive control system		Independent servo motor control	
XY Accurancy		≦ (3+L/200)um L:unit of length	
Light source		Up and down LED light source	
SIZE (mm)		775×750×1100	923×850×1140
WEIGHT (KG)		223KG	321KG
Z AXIS MOVEMENT		150mm	
OPTICAL SYSTEAM		High resolution color 1/2" CCD Lens magnification: 24X-148X FOV : 11mm~1.7mm	
POWER		AC 110V-240V 50/60Hz	