

Vertical Video Projector VC/VTC series



Applied-fields:

It is suitable to be put in the production line or the metrology department, to measure arbitrary dimension of the work piece. It is widely used for the production of the gear, mould, rubber, electron, hardware, metal-work, mobile phone accessory, PCB, plate work pressing, terminal connector, household appliance, electronic parts and so on.

Characteristics:

- ◇ Instrument is operated by mouse and keyboard, and Touch screen is available on VTC series.
- ◇ Z-axis lens lift-system ensure the unmove stage to bear heavy parts.
- ◇ Powerful surface measurement;
- ◇ High-repeatability and accuracy;
- ◇ TXT, Excel report output, Dxf input or output;
- ◇ 4-division LED illumination is optional available;
- ◇ Z-axis video height measurement is optional available;
- ◇ Z-axis touch probe measurement is optional available;
- ◇ Standard Measuring software QuickMeasuring 2.0;
- ◇ Benchtop printer connecting is available.

Specifications:

Model	VC2010 (VTC2010)	VC2515 (VTC2515)	VC3020 (VTC3020)
(X/Y/Z) measuring range	200×100×150mm	250×150×150mm	300×200×150mm
Machine dimension	650×800×1800mm		
Operation mode	Manual		
Magnification	20X-120X		
Screen dimension	19" monitor or 19" touch-type LED monitor		
Measuring software	QuickMeasuring 2.0		
Lens work range	95mm		
X/Y optical scale resolution	1um		
Accuracy	3+L/200um		
Repeatability	5um		
Color CCD Camera	430,000pixel		
Machine load capability	10Kg		
Power supply	AC110V/60Hz; 220V/50Hz		
Suitable environment	Workshop and Metrology room		

Accessories:

	1X CCD adpter (standard)		0.5X CCD adpter (option)		Working distance
	Digital magnification	Visual field	Digital magnification	Visual field	
Zoom lens	0.7-4.5X		0.7-4.5X		
0.5X (option)	15-95X	20-3.2mm	7.5-48X	40-6.4mm	175mm
1X (standard)	30-190X	10.6-1.6mm	15-96X	20-3.2mm	96mm
2X (option)	60-380X	5-0.8mm	30-190X	10.6-1.6mm	32mm

Recommended working cupboard: JT04D

Loading ≥350kg, dimension(length×width×height): 500×600×500(mm)

Horizontal Video Projector HV/HTV series



Applied-fields:

It is suitable to be put in the production field or the quality-control room, to measure arbitrary dimension of the work piece. It is widely used on the gear, mould, rubber production, electron production, hardware production, metal work, mobile phone accessory, PCB, plate work pressing, terminal connector, household appliance, electronic parts and so on.

Characteristics:

- ◇ Instrument is operated by mouse and keyboard, and Touch screen is available on HTV series.
- ◇ Powerful surface measurement;
- ◇ High-repeatability and accuracy;
- ◇ 4-division LED illumination is optional available;
- ◇ TXT, Excel report output, Dxf input or output;
- ◇ Z-axis video height measurement is optional available;
- ◇ Z-axis touch probe measurement is optional available;
- ◇ Standard Measuring software QuickMeasuring 2.0;
- ◇ Benchtop printer connecting is available.

Specifications:

Model	HV3015 (HTV3015)	HV3020 (HTV3020)
(X/Y/Z) measuring range	300×150×150mm	300×125×200mm
Machine dimension	650×800×1600mm	
Operation mode	Manual	
Magnification	20X~120X	
Screen dimension	19" monitor (HV) or 19" touch-type LED monitor (HTV)	
Measuring software	QuickMeasuring 2.0	
Lens work range	95mm	
X/Y optical scale resolution	1μm	
Accuracy	3+L/200μm	
Repeatability	5μm	
Color CCD Camera	430,000pixel	
Machine load capability	15Kg	
Power supply	AC110V/60Hz; 220V/50Hz	
Suitable environment	Workshop and Metrology room	

Accessories:

	1X CCD adppter (standard)		0.5X CCD adppter (option)		Working distance
Zoom lens	0.7~4.5X		0.7~4.5X		
Zoom lens	Digital magnification	Visual field	Digital magnification	Visual field	
0.5X (option)	15~95X	20~3.2mm	7.5~48X	40~6.4mm	175mm
1X (standard)	30~190X	10.6~1.6mm	15~96X	20~3.2mm	96mm
2X (option)	60~380X	5~0.8mm	30~190X	10.6~1.6mm	32mm

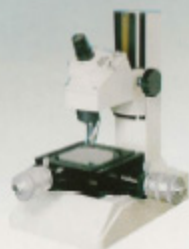
Recommended working cupboard: JT03U

Loading ≥350kg, dimension(length×width×height): 1000×600×500(mm)

Measuring Microscopes STM-505 series

Applied-fields:

It is an excellent measuring instrument for non-contact inspection and 2D precision measurement. It is applicable to measure the small parts in the metrology department and product line. It can be installed with digital measure heads, CCD adapter, CCD camera, digital cross line generator, monitor to be a 2D vision system.



STM-505



STM-505D

Accessories:



Digital measuring heads

Digital measuring heads 164-162:

- Brand: Mitutoyo (Japan)
- Measuring range: 0-50mm
- Resolutions: 0.001mm

Objective:

- Standard: 2X
- Optional: 5X, 10X



Objective

Specifications:

Model	STM-505	STM-505D
Measuring travel: X/Y-axizs	50×50 mm	50×50 mm
Working distance: Z-axizs	67mm	67mm
Glass stage size:	96×96 mm	96×96 mm
Maximum work-piece height:	115mm	115mm
Maximum work-piece weight:	5kg	5kg
Measuring heads:	Mechanic	Digital (Mitutoyo 164-162)
Resolution of measuring heads:	0.002mm	0.001mm
Optical system	Magnification: 30x (15x eyepiece; 2x objective)	
	The eyepiece protractor is graduated in 1°	
	Minimum angle-reading: 6'	
	Sighting device: cross-reticule	
Optional accessories	Rotary table with diameter: φ68aa	
	10x eyepiece: 5x, 10x objective	
	CCD adapter	
	1/3" Color CCD camera	
	Digital cross line generator	
Power supply:	AC110V/60Hz; AC220V/50Hz	
Dimension:	210x333x391mm	
Net weight:	13.5kg	

Measuring Microscope STM-2515 series

Applied-fields:

High-power Metallurgical Measuring microscope STM2515 is widely used for crystal, integrated circuit(IC) examination and others precision measurements.



Specifications:

Optical Imaging System	Infinite optical system 50x-500x; tube lens focal length: 200mm; Trinocular microscope head, inclined at 30°; Interpupillary distance: 55-75mm; High-eye-point and wide-field Eyepiece: SWF10/22; Long working distance; Quintuple Nosepiece; optical fiber light-source; Plan Apo Objectives: 2X/0.055, 5X/0.14, 10X/0.28, 20X/0.29, 50X/0.42
Precision Stage System	Working travel: 250x150mm; Resolution: 0.001mm Accuracy of Measurement: (2+L/200)um; Repeatable accuracy: 2um
Digital Magnification System	Sony 1/2" CCD camera, 1x CCD adapter, Digital magnification from 170x to 1700x
Digital Measuring System	Dell PC system, Digital readout DP300 and 3D English software QuickMeasuring with video height measuring function.
Optional Accessories	Sony CCD camera JT160 ; Stage: 300x200 ; 400x300 ; 500x300 ;