



High Accuracy



Good Quality



Long Using Life

Ø400mm Digital Horizontal Profile Projector **PH400-3015**



Ø400
Horizontal Optical System



Standard
5X Objective



Standard
DP400 Digital Readout

+ Characteristic

- The lifting system adopts cross roller rail and precision screw drive, which makes lifting drive more comfortable and stable;
- Coating process reflector, clearer image and great dustproof;
- Adjustable contour and surface illumination, to meet with difference workpiece demand;
- Imported high light and long using life LED illumination, to ensure precision measurement demand;
- High resolution optical system with clear image and magnification error is less than 0.08%;
- Powerful Bi-axial fan cooling system, highly increase using life;
- Powerful and colorful DRO DP400, realized fast and accurate 2D Measurement;
- Built-in Mini-printer, can print and save data;
- With standard 10X objective, optional 5X,20X, 50X, 100X objective, rotary table, foot switch ,clamp, etc.



+ Specifications

Product Name	Digital Horizontal Profile Projector
Model	PH400-3015
Code#	512-400
Working Stage Size	455x126mm
Working Stage Travel	300x150mm
Focusing	120mm
Accuracy	≤3+L/200(um)
Resolution	0.0005mm
Load Capacity	15Kg
Screen	Dia:φ412mm,Measurement Range ≥ Ø400 Rotation Angle 0~360° ;Resolution: 1 or 0.01°,Accuracy 6'
Digital Readout	DP400 (510-340) Multifunction colorful LCD digital readout
Illumination	Contour Illumination: 3.2V/10W LED Surface Illumination: 3.2V/10W LED
Working Environment	Temp 20°C±5°C, Humidity 40%—70%RH
Power Supply	AC110V/60Hz; 220V/50Hz,200W
Product Dimension	1099 x 1455 x 633mm
Packing Dimension	1157 x 1355 x 653mm
Gross/Net Weight	350/300kg

+ Objective Lens

Specifications					
Magnification	5X	10X	20X	50X	100X
Field of View	φ80mm	φ30mm	φ15mm	φ6mm	φ3mm
Working Distance	75mm	75mm	69mm	44mm	26mm

Measuring Microscope

STM-A Series

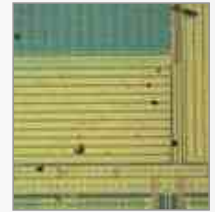
+ Characteristic

- Bright field observation, clear and flare less obverse image, wide field of view.
- Long working distance objectives, up to optical 1000x magnification.
- Aperture diaphragms in the transmitted illumination and reflected illumination system as standard feature.
- The quick-release system, which is especially useful in long stroke measurements.
- Focus and measure using the fine/coarse movement handle with the large-size grips on both sides of the column.
- Zero-set switches (X- and Y-axis) are also located near the stage feed handles.
- Available with the Vision Unit for upgrading to a vision measuring system.



+ Specifications

Product Name	Measuring Microscope	
Model	STM-2015A	STM-3020A
Code#	532-150	532-160
X/Y-axis travel	200x150mm	300x200mm
Resolution	0.0005 mm	
Measuring Accuracy	(2+L/200) μm; L: measuring length	
Observation Image	Obverse image (Erect Image is available)	
Eyepiece Tube	Binocular Eyepiece: WF10/20	
Objective Lens	Only 5x is standard delivery; Optional: 10X, 20X, 50x 100x	
Contour Illumination	Adjustable LED	
Surface Illumination	Adjustable LED	
Z Axis Travel Range	Standard focus travel:150mm, 200mm is optional	
Floating Function	Manual focusing (Coarse/fine)	
Digital Readout	DP400 (510-340) Multifunction colorful LCD digital readout	
Power Supply	AC220/50HZ; AC110V/60Hz	



CCD Chip



Wafer Observation



IC Package



FOG Observation

+ Optical Specification

Name	Objective					Eyepiece WF10/22	
	N.A.	W.D.(mm)	f(mm)'	R(um)	±p(um)	Magnification	Visual Field (mm)
5X	0.15	0.15	40	2.1	16.3	50x	φ4.4
10X	0.3	0.3	20	0.9	3.1	100x	φ2.2
20X	0.4	0.4	10	0.69	1.8	200x	φ1.1
50X	0.8	0.8	4	0.34	0.4	500x	φ0.44
100X	0.8	0.8	2	0.34	0.2	1000x	φ0.22

Measuring Microscope **STM-M** Series

+ Characteristic

- Bright field observation, clear and flare less obverse image, wide field of view.
- Long working distance objectives, up to optical 1000x magnification.
- Aperture diaphragms in the transmitted illumination and reflected illumination system as standard feature.
- The quick-release system, which is especially useful in long stroke measurements.
- Focus and measure using the fine/coarse movement handle with the large-size grips on both sides of the column.
- Zero-set switches (X- and Y-axis) are also located near the stage feed handles.
- Available with the Vision Unit for upgrading to a vision measuring system.



+ Specifications

Product Name	Measuring Microscope	
Model	STM-2015M	STM-3020M
Code#	532-180	532-180
X/Y-axis travel	200x150mm	300x200mm
Resolution	0.0005 mm	
Measuring Accuracy	(2+L/200) μm; L: measuring length	
Observation Image	Obverse image (Erect Image is available)	
Eyepiece Tube	Binocular Eyepiece: WF10/20	
Objective Lens	Only 5x is standard delivery; Optional: 10X, 20X, 50x 100x	
Contour Illumination	Adjustable LED	
Surface Illumination	Adjustable LED	
Z Axis Travel Range	Standard focus travel:150mm, 200mm is optional	
Floating Function	Manual focusing (Coarse/fine)	
Digital Readout	DP400 (510-340) Multifunction colorful LCD digital readout	
Power Supply	AC220/50HZ; AC110V/60Hz	



+ Optical Specification

Name	Objective					Eyepiece WF10/22	
	N.A.	W.D.(mm)	f(mm)'	R(um)	±Δp(um)	Magnification	Visual Field (mm)
5X	0.15	0.15	40	2.1	16.3	50x	φ4.4
10X	0.3	0.3	20	0.9	3.1	100x	φ2.2
20X	0.4	0.4	10	0.69	1.8	200x	φ1.1
50X	0.8	0.8	4	0.34	0.4	500x	φ0.44
100X	0.8	0.8	2	0.34	0.2	100x	φ0.22