



## Company Profile



Founded in 2010, we Sinowon Innovation Metrology Manufacture Limited is National Authorized Hi-Tech Manufacturer (Certificate No.: GR201544000821), ISO9001:2015 Certified company, GuangDong Province Enterprise of Observing Contract and Valuing Credit, Shenzhen Qianhai Equity Trading Center(SEC Registration Number:666354).

So far as founded in 2010, Sinowon always consider customer as the starting point, manage corporation with motto "Satisfaction, Innovation, Norm, Obligation, Worth, Openness, Nimble". Constantly improve the management system, increase technology research and development, strengthen the company's ability to integrate production, dedicated to provide users with high-quality testing equipment and one-stop pre-sale, sale and after-sales service.

SINOWON is mainly produce, develop, integrate and sell measuring data software system, optical inspection instrument such as One Key Instant Vision Measuring System, Fully Auto Video Measuring System, Tool Microscope, Video Measuring Microscope and hardness tester such as Automatically Vickers Hardness Tester, Rockwell Hardness Tester, Brinell Hardness Tester, Micro Hardness Tester, Portable Ultrasonic Hardness Tester, Leeb Hardness Tester, etc and some other accessory products. And all of our products have passed The CE EU certification and widely used in metal, plastics, electronics, semiconductors, home appliances, telecommunications, automotive, aviation, aerospace and other industrial laboratories, production workshops, assembly line for quality control.

From the date of establishment, SINOWON is based on the Metrology industry, focused on customer and be a striver for committing to make measurement more accurate and uncomplicated and supply high cost-performance products and service for customers.

We warmly welcome you to visit our headquarter in Free Experience Center, and looking forward to further essence from you.

Sinowon is Committed to Make Measurement More Accurate and Uncomplicated!



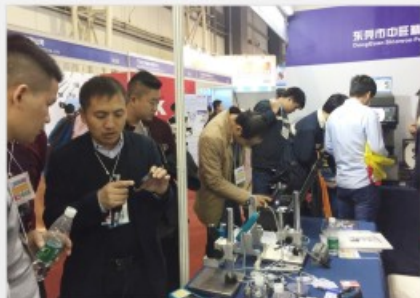
Intermach Metal Processing Machinery Fair



CCMT China CNC Machine Tool Fair



ASEAN International Machine Tool Fair



DMP Tooling and Machining Fair



SIMM Machinery Fair



Control Stuttgart Quality Control Fair

Part Exhibition



# Measuring Microscope

## STM-A Series

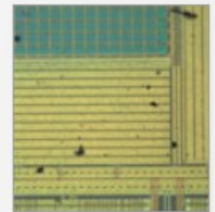
### + Characteristic

- 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.

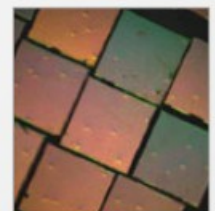


### + Specifications

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: WF10/22	
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: WF10/22	
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	17.5	40	2.1	16.3	50x	φ4.4
10X	0.3	6.8	20	0.9	3.1	100x	φ2.2
20X	0.4	10.5	10	0.69	1.8	200x	φ1.1
50X	0.8	2.0	4	0.34	0.4	500x	φ0.44
100X	0.8	1.98	2	0.34	0.2	100x	φ0.22

# Toolmakers Microscope

## STM-505

### + Characteristic

- Monocular(Diopter Adjustable),Depression angle:30°;
- 90°Broken Gross-Reticule;
- Multifunctional digital readout : DP400;
- Tungsten bulb(24V;2W),Lightness Adjustable;
- Max.Magnification:150× (Φ0.13mm) (15×Eyepiece+10×Objective) .

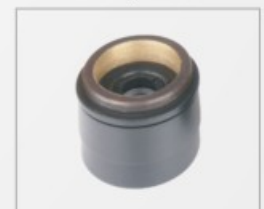


### + Specifications

Product Name	Toolmakers Microscope
Model	STM-505
Code#	531-112
Metall Stage Size	96x96mm
Glass Stage Size	152x152mm
Working Travel	25x25mm
Resolution of Micrometer	2um
Measuring Accuracy	≤5um
Max.Height of Specimen	115mm
Max.Weight of Specimen	2kg
Max.Magnification	150X(Φ0.13mm) 15×Eyepiece+10×Objective
Min.Magnification	20X(Φ6.5mm) 10×Eyepiece+2×Objective
Standard Magnification	30X(Φ6.5mm) 15×Eyepiece+2×Objective
Standard Working Distance	67mm
Eyepiece	Monocular(Diopter Adjustable),Depression angle:30°
Eyepiece Protractor	Range:360°;Graduation:1°
Vernier angle Reading	6'
Reticule	90°Broken Gross-Reticule
Illumination	Tungsten bulb(24V;2W),Lightness Adjustable
Power Supply	AC90V-240V, 60Hz/50Hz
Dimension(LxWxH)	210x333x391mm
Packing Dimension	415x315x420mm
Net Weight	14Kg
Gross	18Kg



Rotary Tables



CCD Adapter



5X Objective



10X Eyepiece



# Toolmakers Microscope

## STM-505D

### + Characteristic

- Monocular(Diopter Adjustable),Depression angle:30°;
- 90°Broken Gross-Reticule;
- Multifunctional digital readout : DP400;
- Tungsten bulb(24V;2W),Lightness Adjustable;
- Max.Magnification:150× (Φ0.13mm) (15×Eyepiece+10×Objective) .



### + Specifications

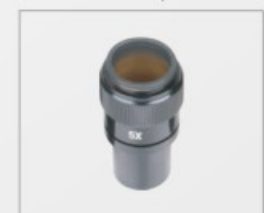
Product Name	Toolmakers Microscope
Model	STM-505D
Code#	531-122
Metall Stage Size	96x96mm
Glass Stage Size	152x152mm
Working Travel	50x50mm
Resolution of Micrometer	1um
Measuring Accuracy	≤5um
Max.Height of Specimen	115mm
Max.Weight of Specimen	2kg
Max.Magnification	150X(Ø0.13mm) 15×Eyepiece+10×Objective
Min.Magnification	20X(Ø6.5mm) 10×Eyepiece+2×Objective
Standard Magnification	30X(Ø6.5mm) 15×Eyepiece+2×Objective
Standard Working Distance	67mm
Eyepiece	Monocular(Diopter Adjustable),Depression angle:30°
Eyepiece Protractor	Range:360°;Graduation:1°
Vernier angle Reading	6'
Reticule	90°Broken Gross-Reticule
Illumination	Tungsten bulb(24V;2W),Lightness Adjustable
Power Supply	AC90V-240V, 60Hz/50Hz
Dimension(LxWxH)	210x333x391mm
Packing Dimension	415x315x420mm
Net Weight	14Kg
Gross	18Kg



Rotary Tables



CCD Adapter



5X Objective



10X Eyepiece

## Digital Toolmakers Microscope

# STM-1050

**Large Travel**

100x50mm

**High Accuracy**

0.5um linear scale

**High Efficiency**

DP400 Readout

**Adjustable Illumination**

LED Ring Illumination



## + Specifications

Model	STM-1050
Code#	531-130
Metal Stage Dimension	252x152mm
Glass Stage Dimension	196x96mm
Resolution	0.5um
Measuring Accuracy	≤5um
Measuring Device	5kg
Max.Magnification	150X(Ø0.13mm) 15X Eyepiece+10X Objective
Min.Magnification	20X(Ø6.5mm) 10X Eyepiece+2X Objective
Standard Magnification	30X(Ø0.13mm) 15X Eyepiece+2X Objective
Standard Working Distance	67mm
Optical Tube	Monocular with 30°depression angle, 15X Eyepiece with Crossline Reticle
Eyepiece	WF15/13
Objective	Magnification 2X , Working Distance 2.638" (67mm)
Eyepiece Protractor Range	360°
Eyepiece Protractor Graduation	1°
Vernier Angle Reading	6'
Contour Illumination	Light source:Tungsten bulb(24V;2W)
Surface Illumination	Ring LED illumination brightness adjustable
Power Supply	AC110V/60Hz ; 220Hz/50Hz
Dimension	210x333x391mm
Packing Dimension	415x315x420mm
Gross/Net Weight	30/25Kg

### Angle Measurement



### Ring Illumination



# Color Screen Multifunction Digital Readout **DP400**



Weak Current



Silicon Button



Multi-language



Color LCD

## + Characteristic

- 5.6 # Color Screen and Sealed silicone touch button,with full information, friendly operation, long using life;
- Save 100 permanent image elements, can set and save current date;
- Multi-function Measurement: Point, line, circle,angle, distance, rectangular, screw thread, ellipse, slot, rounding, preset,construction, and so on;
- Obverse or Opposite direction counting function,1/2 value, mid-point, permission function, Call function, REC(record)function,and Cycle measurement;
- Section and linear compensation are available for 3-axis, highly ensure measurement accuracy;
- Can connect foot switch,printer, optical edge detection and other multiple auxiliary measurement tools;
- With polar and coordinate system, and can display millimeter and inch, and can shift easily;
- With independent password permission function, to prevent the possibility of data deviation by wrong operation, it can also change the original setting by password permission;
- Support multiple language:Chinese, English and other language.

## + Specifications

Model	DP400
Code#	510-340
Language	Simple Chinese, Complicated Chinese, Portuguese, German and English, etc.
LCD Screen Size	115mm×85mm
LCD Screen Resolution	640*480
Digital Display Range	8Digits(With Decimal Point)
Display Axis	3-axis (X,Y,Z/Q)
Z/Q Display Model	Length or Angle
Angle Display Model	Degree, Minutes and Second or Degree
Linear Scale Signal	TTL square-wave or AC sine wave of two 90 ° phase angle difference, drive capacity larger than 10MA
Linear Scale Resolution	0.1um,0.2um,0.5um, 1um,2um,5um
Baud Rate	4800,9600,14400,19200,38400,57600
Data Output Port	RS232,DB-9 Parent interface
Operation Keyboard	Sealed Silicone touch-type keyboard
Expansion port	Foot Switch, Printer, Optical Edge Finder, etc
Input Power Supply	DC12V/3A
Operation Environment	Working Temperature : 0 °C~40 °C;Storage Temperature : -10 °C~60°C; Relative Humidity : <90%RH

## + Operation Interface





**Contact us for brand new, refurbished or used SINOWON Equipment**



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