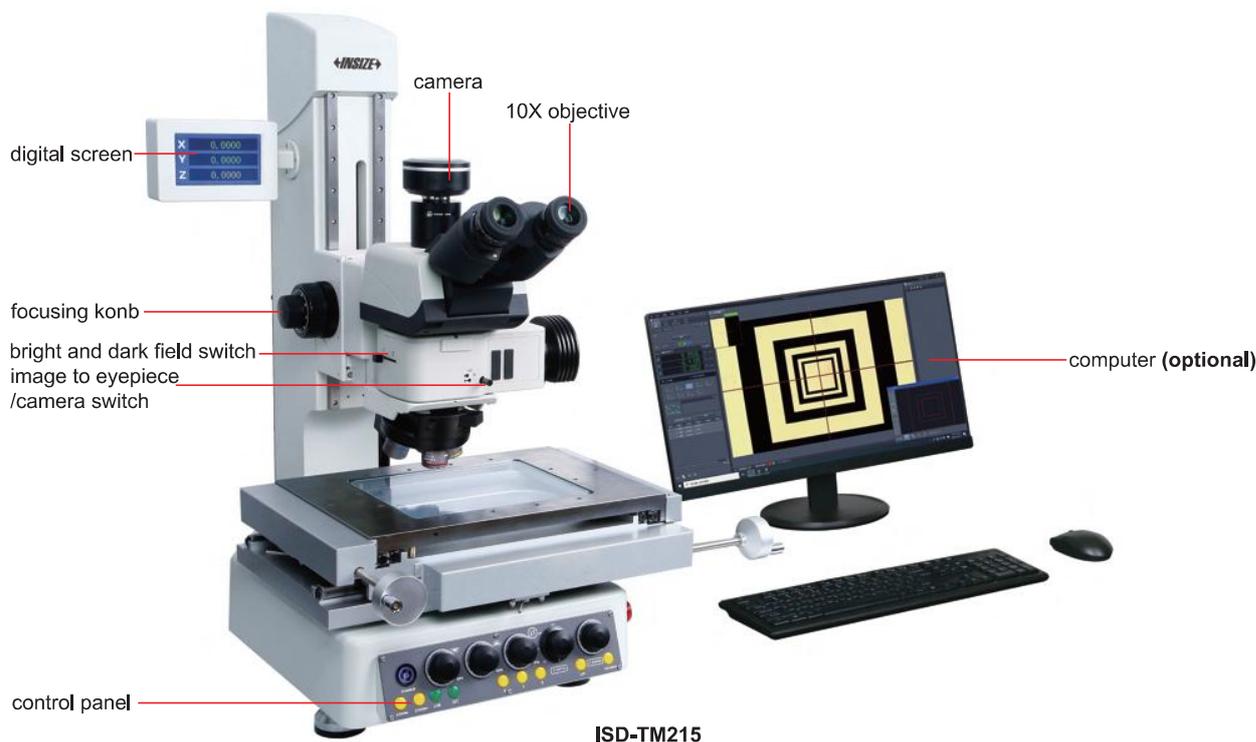


# HIGH MAGNIFICATION TOOLMAKER MEASURING MICROSCOPES (PROFESSIONAL TYPE)



ISD-TM215

- For precision measurement and observation of industrial devices
- ECGO infinite chromatic aberration correction optical system
- High-density super power white LED chip array, high color rendering index, long life
- High precision linear scales
- Adopting motorized objective lens switching and supporting light intensity management
- Motorized Z-axis and focusing assist are included
- Measuring software is included, in-field image direct measurement, quick reading, out of image measurement for large workpieces, accurate measurement through image point selection, vector layer construction

## SPECIFICATION

Part No.	ISD-TM215	ISD-TM320	ISD-TM330	ISD-TM430
X/Y axis travel	7.87×5.90"	11.81×7.87"	11.81×11.81"	15.75×11.81"
Metal stage size	15.75×11.02"	19.68×13.78"	19.68×17.72"	23.62×17.72"
Glass stage size	9.64×7.56"	13.78×9.84"	13.78×11.81"	17.72×11.81"
Z axis travel	8.27"			
Z axis drive method	manual coarse and fine adjustment, motorized coarse and fine adjustment			
Resolution of X/Y/Z axis	.004μm			
Accuracy of X/Y axis	≤(98.4+20L)μm(L is the measuring length in inch)			
Repeatability of X/Y axis	.00008"			
Optical magnification	50X~500X(up to 1000X with optional 100X objective)			
Digital magnification	150X~1500X(on 23.8" monitor), up to 3000X with optional 100X objective			
Eyepiece	large field SWH10X-H(view field: 25mm/.98", adjustable visibility), with crossline			
Illumination	critical/kohler illumination, supporting bright field, polarized light, dark field and other lighting methods			
Observation tube	15~45° adjustable, inverse image, distance adjustable: 1.77~3.07", 0/100, 100/0 binocular			
Diopter adjustment	±5 diopter (two eyepieces)			
Max. weight of workpiece	66.14lb			
Power supply	110~220V, 50/60Hz			
Dimension (L×W×H)	26.57×25.39×30.90"	26.77×25.39×30.90"	26.77×25.39×30.90"	30.70×29.53×32.28"
Weight	275lb	330lb	407lb	474lb

## OBJECTIVES SPECIFICATION

Objective(flat field semi apochromatic)	5X(included)	10X(included)	20X(included)	50X(included)	100X(optional)
<b>Illumination</b>	Coaxial vertical light, bright and dark field				
<b>Working distance</b>	.59"	.33"	.47"	.31"	.12"
<b>Depth of field range</b>	.48μin	.12μin	.06μin	.04μin	.017μin
<b>Visible range</b>	.22"	.10"	.052"	.021"	.010"
<b>Numerical aperture</b>	0.15	0.3	0.4	0.55	0.8

## STANDARD DELIVERY

<b>Main unit</b>	1pc
<b>Anti-dust cover</b>	1pc
<b>0.63X camera adapter (adjustable focus)</b>	1pc
<b>Camera(20M pixels)</b>	1pc

## OPTIONAL ACCESSORY

<b>Glass calibration rule</b>	ISM-MAS-SCALE
<b>100X objective</b>	ISD-TM-100X
<b>Polarizer</b>	ISD-TM-PO
<b>Analyzer</b>	ISD-TM-AN
<b>Differential interference module(DIC)</b>	ISD-TM-DIC
<b>Computer</b>	ISD-TM-COMPUTER-E

## MEASURING SOFTWARE (INCLUDED)

