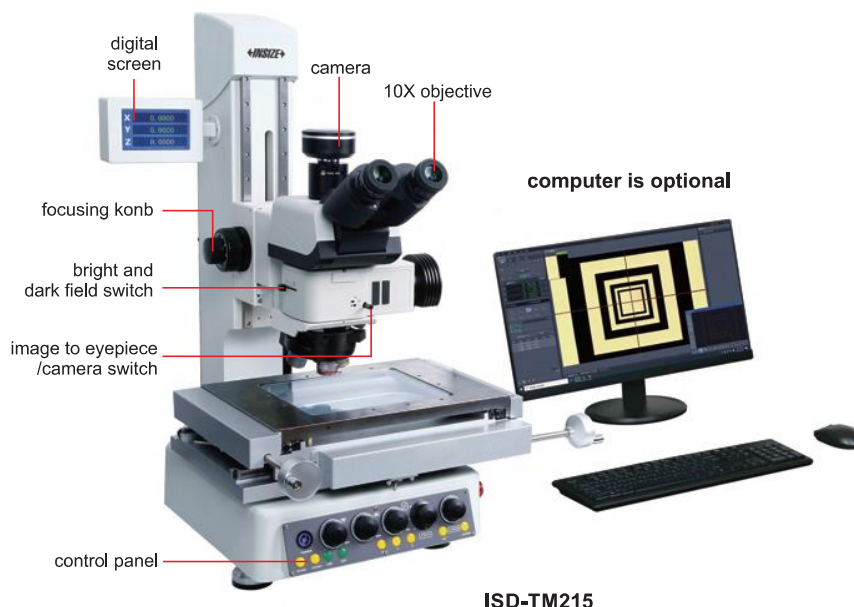


HIGH MAGNIFICATION TOOLMAKER MEASURING MICROSCOPES (ADVANCED TYPE)



- 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

Code	ISD-TM215	ISD-TM320	ISD-TM330	ISD-TM430
X/Y axis travel	200×150mm	300×200mm	300×300mm	400×300mm
Metal stage size	400×280mm	500×350mm	500×450mm	600×450mm
Glass stage size	245×192mm	350×250mm	350×300mm	450×300mm
Z axis travel	210mm			
Z axis drive method	manual coarse and fine adjustment, motorized coarse and fine adjustment			
Resolution of X/Y/Z axis	0.1μm			
Accuracy of X/Y axis	≤(2.5+L/50)μm (L is the measuring length in mm)			
Repeatability of X/Y axis	2μm			
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, 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: 45~78mm, 0/100, 100/0 binocular			
Dioptr adjustment	±5 diopter (two eyepieces)			
Max. weight of workpiece	30kg			
Power supply	110~220V, 50/60Hz			
Dimension (L×W×H)	675×645×785mm	680×645×785mm	680×645×785mm	780×750×820mm
Weight	125kg	150kg	185kg	215kg

OBJECTIVES SPECIFICATION

Objective (flat field semi apochromatic)	5X (included)	10X (included)	20X (included)	50X (included)	100X (optional)
Illumination	coaxial vertical light, bright and dark field				
Working distance	15.0mm	8.5mm	11.9mm	8mm	3.0mm
Depth of field range	12.27µm	3.06µm	1.72µm	1.00µm	0.43µm
Visible range	5.3mm	2.65mm	1.32mm	0.53mm	0.26mm
Numerical aperture	0.15	0.3	0.4	0.55	0.8

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

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

MEASURING SOFTWARE (INCLUDED)

