



## Measuring Microscope

### NM12600T



NM12600T Multifunctional Measuring Microscope is developed for the Semiconductor industry, Wafer manufacturing, Electronic information industry and Metallurgical industry. As an advanced Metallurgical Microscope, it is used to identify and analyze the structure of various metal and alloys.

- It is widely used to the identification of Casting quality, inspection of Materials or research and analysis of Metallurgical structure after treatment in factories or Laboratories.
- The design meets with the ergonomics needs and makes you fell comfortable and relaxed in doing your job.
- Bright and wide viewing field can provide with clear and steady positive image.
- Adopt UIS High-resolution, long working distance and infinity light path correcting system objective imaging technology.
- Extending the multiplexing technology of objective, compatible infinity objective with all the observation methods including Bright & Dark field observation, Polarization also provide with high clear and sharp image in each observation method.
- Aspherical surface Kohler illumination, increasing the viewing brightness



Model	FN12600T
Eyepiece	WF10X/25mm
	WF10X/22mm,with 0.1mm crosshair reticle
Objective	Long working distance Infinity Plan Apochromatic objectives : 5X/NA 0.15 WD=44mm
	Long working distance Infinity Plan Apochromatic objectives : 10X/NA 0.30 WD=34mm
	Long working distance Infinity Plan Apochromatic objectives : 20X/NA 0.35 WD=30mm
	Long working distance Infinity Plan Apochromatic objectives : 50X/NA 0.50 WD=17mm
Viewing head	Positive image Humanized head 0°~45° inclined adjustment, Interpupillary adjusting distance: 50mm-75mm
Nosepiece	Quadruple nosepiece with center adjustable.
Profile Illumination	Light source: Halogen Bulb (12V,50W)
	Optics system: Telecentric light system with aperture adjustable
	Function: Light intensity and Brightness adjustable.
Surface Illumination	Light source: Halogen Bulb (12V,50W)
	Optics system: Kohler illumination with aperture iris diaphragm and field iris diaphragm
	Function: Light intensity and Brightness adjustable.
Polarizing Device	Anlayzer 360° rotatable , both Polarizer and Analyzer can be moved out of the light path.
Display device	Axis No.:2 or 3 axis
	Resolution:0.001mm/0.0005mm/0.0005mm
	Function: Zeroing, direction switching, data output, TTL signal
	Electrical source:AC85V~230V
Checking Tool	0.01mmMicrometer
Stage	XY Stage moving rang:100mm X 100mm
	Z Measuring :Linear code encode: 3 Axis-X/Y/Z,2 Axis- X/Y
	Resolution:0.001mm/0.0005mm/0.0005mm:150mm
	Focusing: Focusing adjustment by hand
	Measuring :Linear code encode: 3 Axis-X/Y/Z,2 Axis- X/Y
	Resolution:0.001mm/0.0005mm/0.0005mm
	Resolution:0.001mm/0.0005mm/0.0005mm
	Measuring accuracy: Measuring basis in 20±1°
	Floating function: X and Y Axis which can quickly disconnect
XY Stage surface size:286mm X 286mm	
Stage effective size:180mm X 180mm	



## Optional Accessory

Name	Type/Technology parameter
Eyepiece	15X,20X, Micrometer Eyepiece
Objective	Long working distance Objectives:2X,100X
Electronic Eyepiece	130M,200M,300M,500M Pixel CMOS Electronic Eyepiece
Photography unit and CCD Adapter	0.5X,0.57X,0.75X
CCD Lens	Color 1/3" CCD 520 TV Line
Others	Angle Division Value