

# “ENT MICROSCOPE”

With motorized zoom, focus, X-Y Communication”



## MODEL: ENT-MS/43X-Y

High resolution optical system using the ENT-MS/43X-Y type microscope, threedimensional sense of strong, large depth of field, cold light source and double optical fiber coaxial illumination, field luminance; foot controlled automatic fine coke, electric zoom, and has visual, television and video, lighting and other functions; luxury rack, full-featured, suitable for the Department of Brain surgery, ENT, Neurosurgery, dental, microsurgery and teaching demonstration.



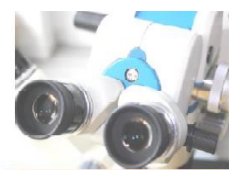
With double-sided splitter, the rotating assistant tube can be on either side, another side directly connect to the camera interface.



8 Functions handle controller: X-Y moving, Zoom, Focusing



Adjustable eyecup in eyepiece suitable for with glass and without glass



Pupil distance 55mm~75mm



Double illumination brightness can be adjusted independently. Coaxial illumination and auxiliary oblique illumination make higher ibrightness



Equipped with spare light bulb, it can be switched quickly during operation



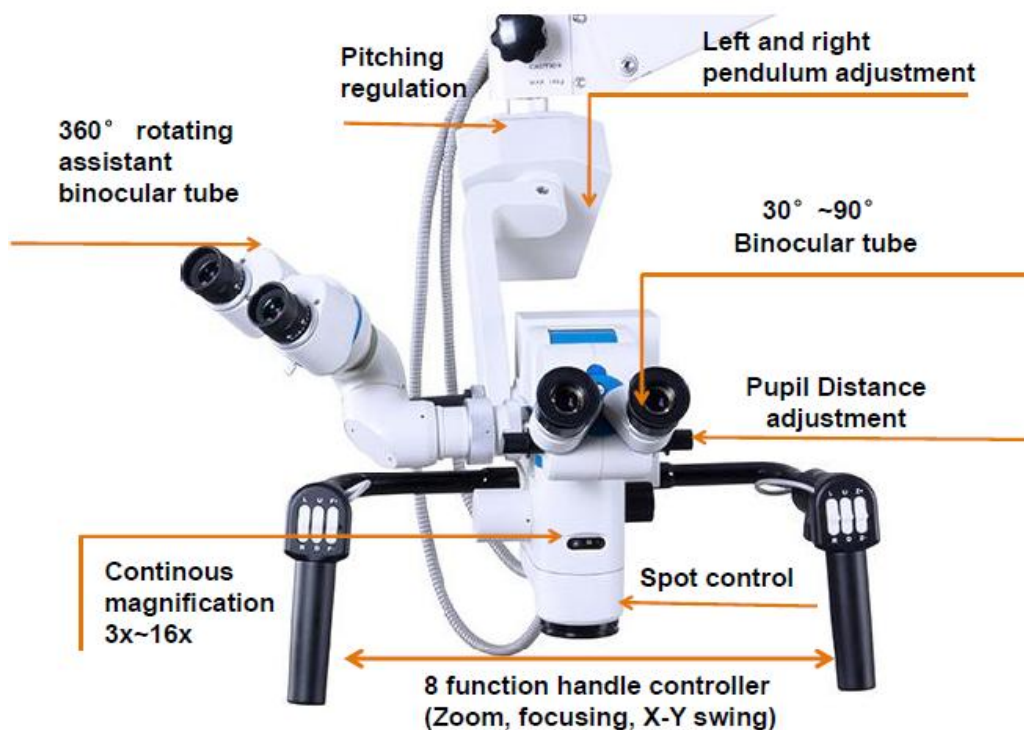
Small light spot and blue filter adjustable

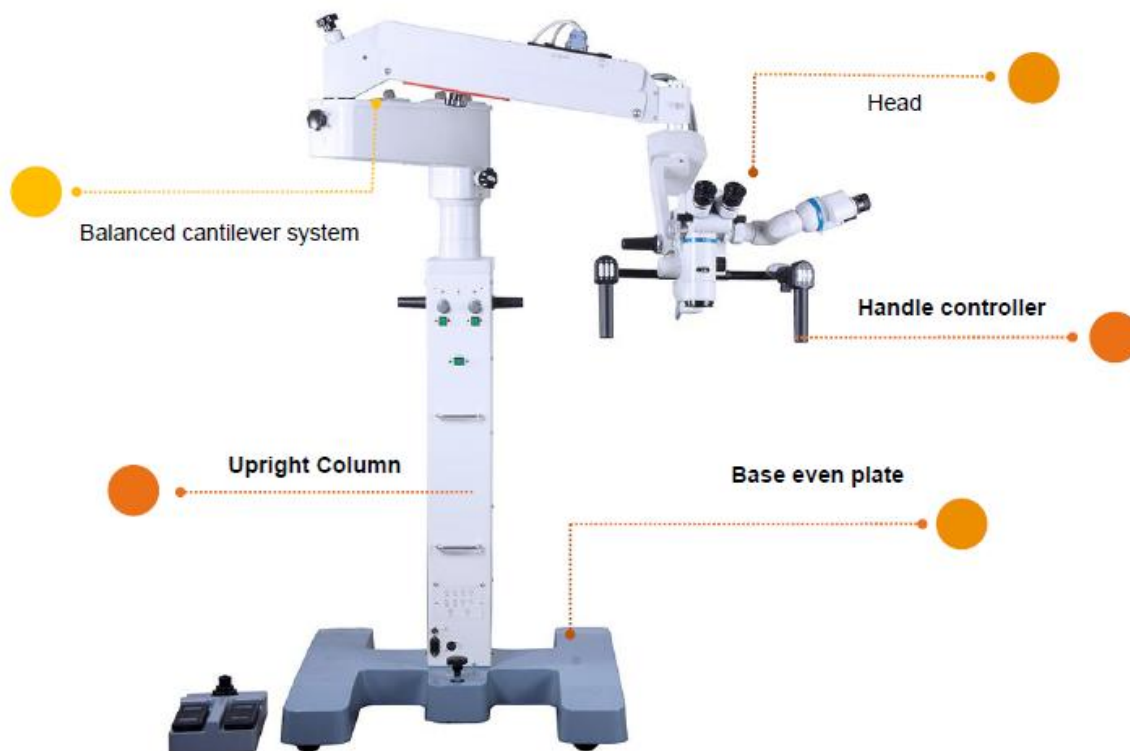


Electric & manual infinite zoom, zoom window can see the current magnification

### Specific Feature

- 30°~90°Variable angle binocular tube, Alleviating long - term fatigue
- Motorized magnification 3x-16x
- Double fiber 0 degree coaxial lighting and auxiliary oblique lighting are up to 100000lux to prevent surgical shadow
- Three changes illumination, small spot, filter
- The head, front and back tilt and left and right pendulum are adjusted and locked automatically to meet the various surgical locations in the Department of cerebral surgery.
- 360° rotating assistant binocular tube can be observed at any angle at any point





### Eyepieces

magnification 12.5x, pupil distance adjustable range 55mm~75mm, diopter adjustment range +6D ~ -6D. Focus of second object lens 180mm.

### Binocular tube

30° ~90° variable angle binocular tube, add new pupil distance adjustment

### Magnification

6:1 zoom, motorized continuous, magnification 3x~16x; field of view  $\Phi 74\sim\Phi 12\text{mm}$

### Coaxial assistant's binocular tube

Free-rotatable assistant stereoscope, all direction circumsolve freely, magnification 3x~16x; field of view

$\Phi 74\sim\Phi 12\text{mm}$

### Coaxial illumination

0° assistant's binocular can swing all direction circumsolve freely, illumination diameter of light spot  $\Phi 50\text{mm}$ , illumination intensity 100000lux

### Objectives

f300mm (200mm, 250mm,350mm,400mm etc )

### Focusing

motorized, range +/-25mm, speed 33s/whole distance

### X-Y swing

The head can swing in X direction +/-45° motorized, and in Y direction +90° ,and can stop in any angle

### Maximum length of arm

1200mm

### New stand

swing angle of the carrier arm 0 ~300° ,height from objective to floor

800mm<H<1250mm

### Handle controller

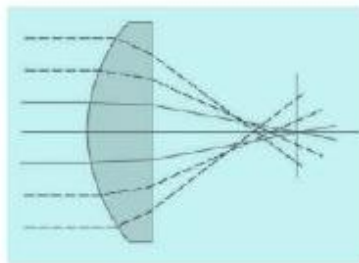
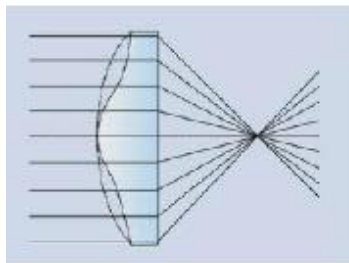
8 functions (zoom, focusing, X-Y swing)



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Aspheric lighting technology, better light gathering effect



The spherical illumination can not refract the light to the same surface, and cause the light to be more dispersed on the surface. The aspheric technology can increase the concentration effect and improve the brightness.

12.5X high point eyepiece

The unique design of the optical system, convenient for doctors with glasses.



Optional



Display



0-200° Binocular tube



CCD



CCD Interface



360° rotating assistant tube



176/200/250/300/350 /400mm Lens



180-300mm Zoom Lens



Xenon lamp



Camera adaptor



Mobile adaptor



Splitter



Wedge-shaped splitter