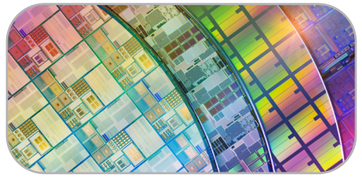
UNITRON®

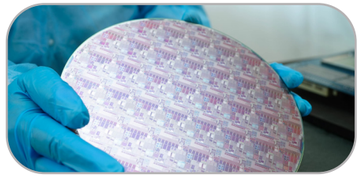
WXS-800
WAFER INSPECTION MICROSCOPE

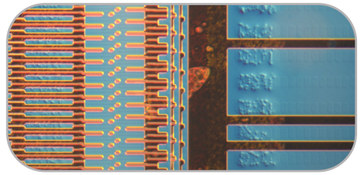
UNITRON's WXS-800 Wafer Inspection Microscope delivers high efficiency, reliability and easy operation for semiconductor defect inspection.

Wafer Inspection Microscope
CAT# 15100

EXCELLENCE BY DESIGN SINCE 1952



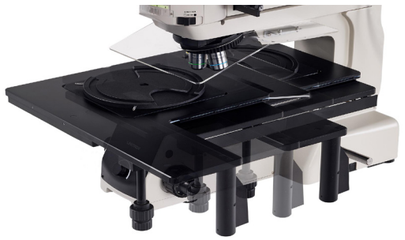




The WXS-800 Wafer Inspection Microscope is designed for brightfield, darkfield and simple polarization observation (optional DIC).

The large stage accommodates 8” wafers and flat panel displays.

Ergonomic trinocular head delivers true-to-sample images with low-position controls for lasting comfort.



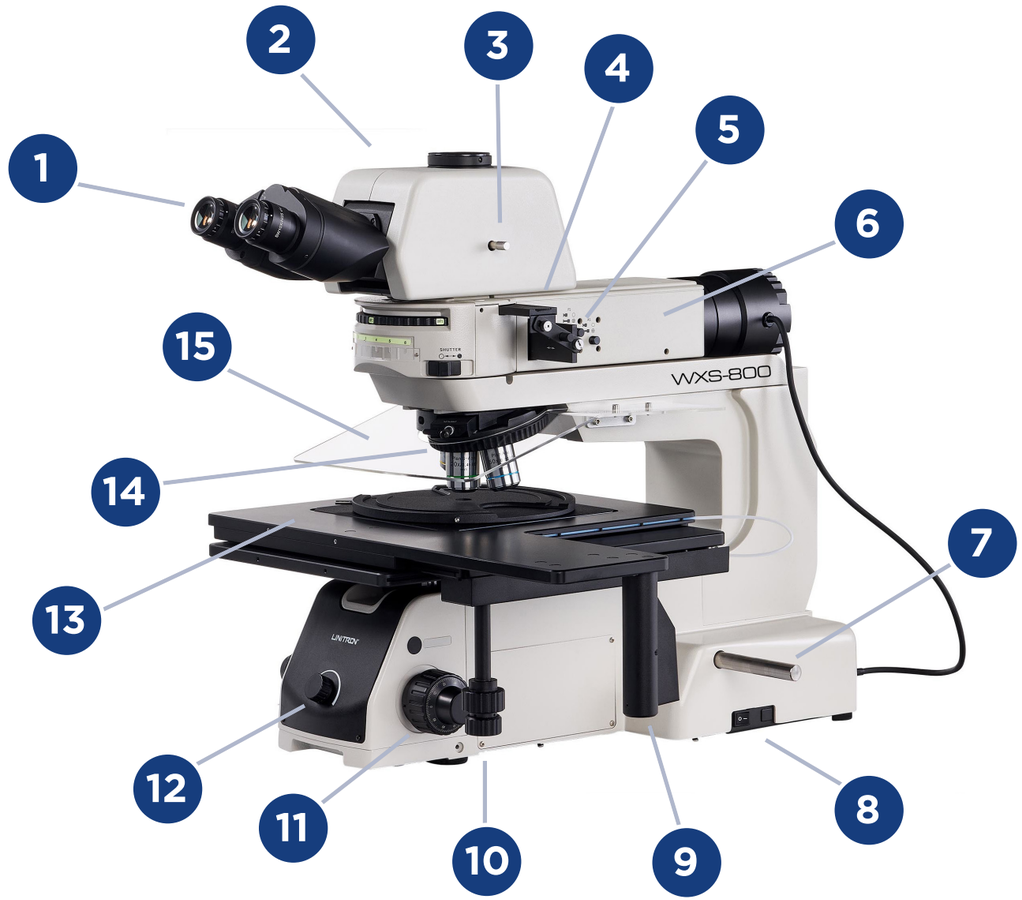
◄ Double layer mechanical stage with 14”x12” platform has a 210mmx210mm movement range, sample holder for 8” wafers, XY stage control, and a mechanical clutch for course stage positioning

► Ergonomic trinocular viewing head with erect image, 0-30° binocular tube tilting with 100/0 : 0/100 light path selector

◄ Yellow, blue, green and frosted filters also come standard with the WXS-800

Digital cameras can be easily connected to the WXS-800 providing rapid image acquisition and processing, and sample documentation. Engineered for brightfield, darkfield and simple polarized light observation, the WXS-800 delivers professional features at an affordable price, in an easy-to-use ergonomic design.

Key Features



1. **SW10x-25mm focusing eyepieces**
2. **Ergonomic trinocular viewing head with imaging port**
3. **Light path selector 100/0 : 0/100**
4. **Slider with rotatable analyzer**
5. **Polarizer slider**
6. **Reflected light illuminator, condenser with aperture diaphragm, 3-position turret, filter slots**
7. **Carry handle (on both sides; alternate storage positions on back)**
8. **Power switch**
9. **Mechanical clutch for coarse stage positioning**
10. **X-Y stage control**
11. **Low position coaxial coarse/fine focus**
12. **Variable light intensity adjustment**
13. **Double layer mechanical stage**
14. **Encoded sextuple nosespiece with DIC slot**
15. **Anti-static dust shield**

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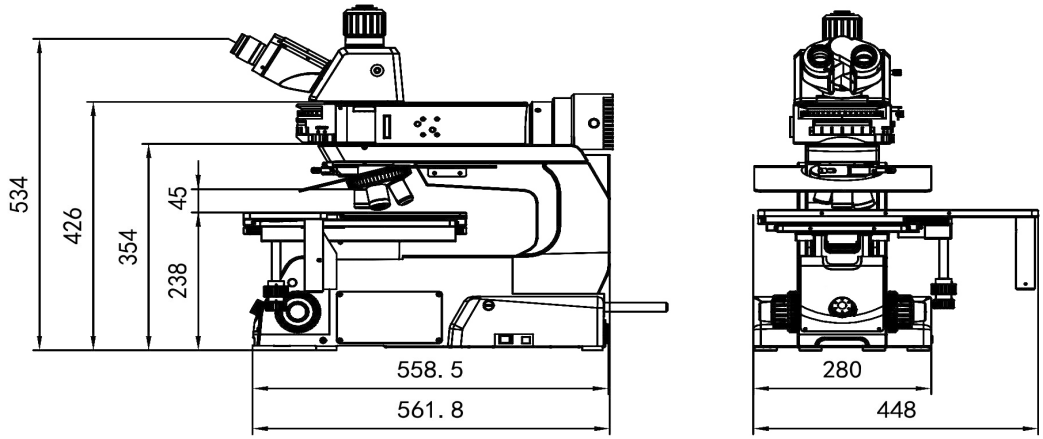
Specifications

Optical System	Infinity optical system, f = 200mm
Observation Method	Brightfield and simple polarizer/analyzer 360° rotating; blue, green and frosted filters
Viewing Head	Ergonomic trinocular viewing head with erect image 0-30° binocular tube tilting 100/0 : 0/100 light path selector Interpupillary distance adjustment 47-78mm
Eyepieces	SW10X-H25mm, focusing
Objectives	Plan semi-Apochromatic 5x (NA 0.15), 10x (NA 0.3), 20x (NA 0.4), 50x (NA 0.8), Brightfield/Darkfield objectives *Optional 100x (NA 0.9)*
Nosepiece	Encoded sextuple nosepiece for brightfield and darkfield objectives, DIC slot
Stage	Double layer mechanical stage; 14" x 12" platform; 210mm x 210mm movement range; sample holder for 8" wafers; XY stage stalk; mechanical clutch for course stage positioning
Illumination	Reflected light illuminator, NA 0.65 condenser with centerable aperture diaphragm and field diaphragm (Köhler alignment); 3-position turret (Brightfield, Brightfield+ND6, Darkfield positions); 5W LED with variable intensity adjustment and Light Intensity Memory (LIM) function; two filter slots
Constrast Methods (All reflected)	Brightfield, Darkfield, Simple Polarization, Differential Interference Contrast (optional); blue, green, yellow and frosted filter sliders included
Focusing	Low position coaxial coarse/fine focus; focus travel limit; 33mm focusing range; 1µm fine focus indication
Optional Accessories	Digital cameras and camera adapters; DIC slider and prisms; Reticles; Stage micrometers
Warranty	5 year limited warranty for parts and labor; 1 year warranty on electronic components and LED bulb

Dimensional Drawings
(in mm)



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