System 273 Binocular Microscopes

UNITRON's best-selling LX Microscope product family

Binocular Stereo-Zoom Microscope with 23mm field of view and dual boom roller-bearing stand offers superior convenience and uncompromising optical quality. A 22" stainless steel horizontal boom extension and 17.5" vertical post are mounted to a 10° x 10° die-cast base. Roller-Bearing design allows fluid horizontal extension of the boom stand. Extensive flexibility and adjustability allow this microscope to alter angles up to 45°; the head can be rotated 360° in its focus mount. System 273 microscopes offer nearly 8" working distance (when used with an optional 0.5X reducing lens) and 15% greater field of view than comparable LX Microscopes by UNITRON System 250 models. Microscope magnification range of 7X to 45X. System 273 ESD-Safe Binocular Microscopes are designed for inspection and assembly applications in static-sensitive environments. The body and stand are treated with a metal-laced powder coat that measures $10^5 \Omega/sq$. (static dissipative).



MICROSCOPES



TECHNICAL DESCRIPTION

OPTICS:

23mm field of view, 10X super widefield eyepieces and eyeshields. Nearly 8" of working distance when used with an optional 0.5X reducing lens.

MAGNIFICATION:

Standard 7X – 45X magnification range. 3.5X – 22.5X magnification and 195mm working distance when used with an optional 0.5X reducing lens.

LENSES:

High-quality achromatic lenses with anti-reflective coatings.

ERGONOMICS:

Alter angles up to 45°. 360° head rotation in its focus mount.

ZOOM:

0.7X – 4.5X zoom range controlled by dual graduated knobs with click-stop positions located on both sides of the head.

CONSTRUCTION:

Heavy-duty cast aluminum housing with powder-coated finish. For ESD-Safe models, body and stand are treated with an ESD-Safe metal-laced powder coat that measures $10^5 \ \Omega/sq$. (static dissipative).

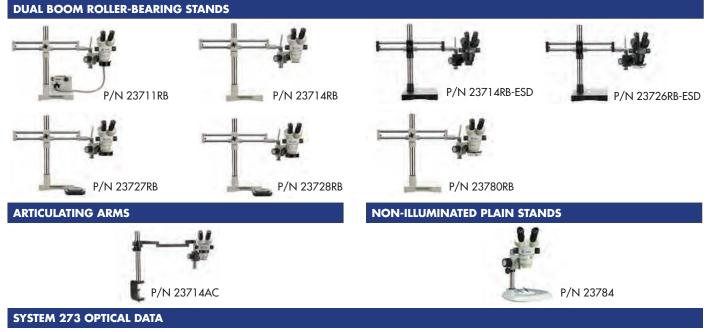
MOUNTING:

Dual boom roller-bearing stand with 17.5" vertical and 22" horizontal reach (10" x 10" base), Non-Illuminated Stand with 11" vertical post or 34" Articulating Arm with Vertical Extension.

5-YEAR WARRANTY. Visit our website for full details.

Additional lighting options sold separately.





			Obje	ective	
Eyepieces		1.0X (included)	0.5X	0.7X	2.0X
107	Total Magnification (Range)	7X - 45X	3.5X - 22.5X	4.9X - 31.5X	14X - 90X
10X	Field of View Diameter (mm)	32.8 - 5.1	65.7 - 10.2	46.9 - 7.3	16.4 - 2.6
1.57	Total Magnification (Range)	10.5X - 67.5X	5.3X - 33.8X	7.4X - 47.2X	21X - 135X
15X	Field of View Diameter (mm)	24.3 - 3.8	48.6 - 7.6	34.7 - 5.4	12.1 - 1.9
	Working Distance (mm)	118	195	145	35

PRODUCT TABLE				
Part number	Microscope	Description		
23711RB	System 273RB-RLI	S-Z 23mm Binocular, RB Stand, Fiber Optic Illuminator with Ring Light		
23712RB*	System 273RB-FL	S-Z 23mm Binocular, RB Stand, FL Ring Light		
23712RB-LED	System 273RB-LEDECO	S-Z 23mm Binocular, RB Stand, LED ECO Ring Light		
23714AC*	System 273AC	S-Z 23mm Binocular, Articulating Arm with Clamp		
23714RB*	System 273RB	S-Z 23mm Binocular, RB Stand		
23714RB-ESD*	System 273RB-ESD	ESD-Safe, S-Z 23mm Binocular, RB Stand		
23726RB-ESD*	System 273RB-LED-ESD	ESD-Safe, S-Z 23mm Binocular, RB Stand, LED-3000 Ring Light		
23727RB*	System 273RB-DMLED	S-Z 23mm Binocular, RB Stand, Dimmable LED Ring Light		
23728RB*	System 273RB-DMLED-HO	S-Z 23mm Binocular, RB Stand, Dimmable LED-High Output Ring Light		
23780RB*	System 273RB-LED3000	S-Z 23mm Binocular, RB Stand, LED-3000 Ring Light		
23783	System 273LS-LED3000	S-Z 23mm Binocular, Non-Illuminated Lab Stand, LED-3000 Ring Light		
23784	System 273LS	S-Z 23mm Binocular, Non-Illuminated Lab Stand		
23760	_	Eyepieces/15X Pair, 23mm, 273/373/VIP		
23762	_	Eyepieces/20X Pair, 23mm, 273/373		
23736*	_	0.7X Reducing Lens, 23mm for System 273/373 only		
23750*	_	0.5X Reducing Lens, 23mm for System 273/373 only		
23793	_	Articulating Arm with Vertical Extension		
23793-ESD	-	ESD-Safe, Articulating Arm with Vertical Extension SYEAR WARRANTY 9001 • 14001		

