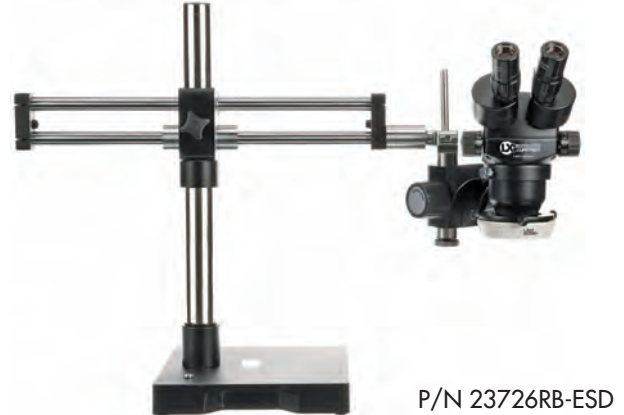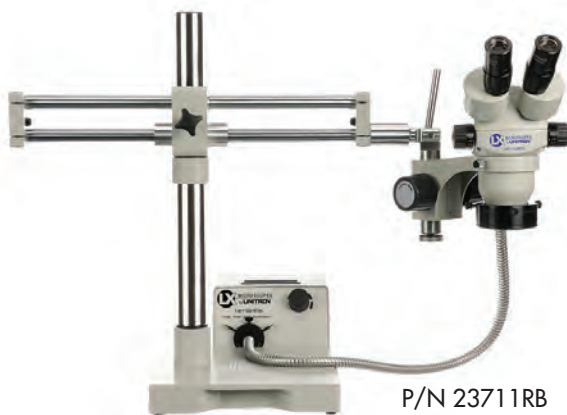# System 273 Binocular Microscopes

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″x10″ 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 Ω/sq. (static dissipative).

P/N 23711RB

P/N 23726RB-ESD

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 Ω/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.

*Available as **72 Hour QUICK SHIP** »»»

DUAL BOOM ROLLER-BEARING STANDS

P/N 23711RB

P/N 23714RB

P/N 23714RB-ESD

P/N 23726RB-ESD

P/N 23727RB

P/N 23728RB

P/N 23780RB

ARTICULATING ARMS

P/N 23714AC

NON-ILLUMINATED PLAIN STANDS

P/N 23784

SYSTEM 273 OPTICAL DATA

Eyepieces		Objective			
		1.0X (included)	0.5X	0.7X	2.0X
10X	Total Magnification (Range)	7X – 45X	3.5X – 22.5X	4.9X – 31.5X	14X – 90X
	Field of View Diameter (mm)	32.8 – 5.1	65.7 – 10.2	46.9 – 7.3	16.4 – 2.6
15X	Total Magnification (Range)	10.5X – 67.5X	5.3X – 33.8X	7.4X – 47.2X	21X – 135X
	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

5 YEAR WARRANTY

ISO
9001 • 14001