



TORONTECH



SURGICAL MICROSCOPES

Surgical Microscopes - ToronSMTM™ Series

Surgical Microscopes in the ToronSMTM™ Series are designed for operating rooms that need clear visualization, stable positioning, and fast adjustments during delicate procedures. The series supports consistent illumination and controlled movement for long cases, with options for video capture and monitor-based viewing to improve documentation and team visibility.

ToronSMTM™ Surgical Microscopes are optical systems that magnify fine anatomical detail under bright coaxial lighting. Motorized zoom and smooth focusing help maintain workflow when switching between overview and high-detail views. Stand and arm geometry is built to hold position with controlled movement for ergonomic setup. Optional imaging and autofocus support documentation needs when required.

Two families under ToronSMTM™ Series

1. ToronSMTM™ 1000 Series focuses on compact, high-output LED illumination with a variable working distance objective, supporting routine and advanced microsurgical work.
2. ToronSMTM™ 1500 Series is built around dual xenon illumination, electromagnetic locking, dual touchscreen control, and imaging-focused workflow for OR environments that need repeatable positioning and team viewing.

Applications

- **Neurosurgery:** Supports deep-field visibility and stable positioning during fine-structure work. Motorized zoom and focusing help manage frequent depth changes.
- **ENT and otologic procedures:** Helps maintain target visibility in confined spaces with controlled positioning and optional contrast support via filters and small-spot illumination.
- **Spine and orthopedic microsurgery:** Repeatable microscope holding and working distance adjustment support workflow consistency when the field shifts across levels.

- **Brain surgery:** Continuous zoom supports smooth transitions from wider views to detailed steps while maintaining posture and image consistency.
- **Dental and microsurgery:** Variable-angle viewing supports ergonomic posture during longer procedures. Optional imaging supports documentation needs.
- **Ophthalmic and plastic/reconstructive work:** Consistent illumination and high-clarity optics help manage fine tissue planes and reflective surfaces.

Table Comparison of ToronSMTM™ Series Models

Category	ToronSMM™ 1000	ToronSMM™ 1500 A
Illumination	100 W LED; up to 100,000 lux; LED life >100,000 hours	Dual xenon; 100,000 lux each set
Zoom / Magnification	6:1 motorized continuous; 1.8×–21×	6:1 motorized continuous; 1.8×–19×
Working Distance	Motorized 200–450 mm (VarioDist)	Motorized 200–600 mm
Assistant Viewing	360° rotating assistant tube; 3×–16×	Free-rotatable assistant stereoscope
Brakes / Locking	Controlled arm movement (carrier swing 0–300°)	Electromagnetic brakes / locking
Imaging Options	Optional 4K camera; optional autofocus	Built-in camera; photo/video + browse; autofocus
Best For	Routine to advanced microsurgical work with compact LED platform	OR teams needing flexible assistant positioning and frequent repositioning

Why choose ToronSMTM™ for your Surgical Microscopes?

ToronSMTM™ Series brings motorized zoom and controlled focusing into a platform built for long procedures and repeatable positioning. The 1000 Series offers an LED-based solution with variable working distance and optional 4K imaging for documentation. The 1500 Series adds dual xenon illumination, electromagnetic locking, dual touchscreen control, and integrated imaging options for teams that prioritize workflow speed and team visibility.

Both families include adjustable binocular viewing, assistant viewing options, and filter support to help match different specialties and OR layouts. This gives procurement and clinical teams a clear path to select a Surgical Microscopes configuration that fits their standard workflow, documentation needs, and room constraints.



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 🇨🇦

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 🇺🇸

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 🇦🇪

Phone: +971 488 19252
Email: me@torontech.com

