



SparkMed
Lifesciences



Surgical Instruments

German Standard – Precision Quality Engineering

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SparkMed Lifesciences

SparkMed Lifesciences Pvt. Ltd. delivers world-class surgical instruments built to German precision standards for specialties including cardiovascular, neuro, orthopedic, and transplant surgery.

Headquartered in Coimbatore with over two decades of expertise, we specialize in handcrafted instrumentation and custom operating tools—such as advanced table-mounted retractors—designed to adapt alongside the evolving needs of modern surgical specialists.



Imported Brands represented by us

 <u>AWGN Medizin Technik</u> AWGN Medizintechnik has been recognized, globally, as a unique leader of innovation and design trends within the medical device industry. Products are supplied and manufactured from their Stuttgart, Germany.	 <u>Microma Surgery</u> The name which has been synonymous with the producing of high-precision microsurgical instruments in Germany. Instruments for microsurgery are made with the use of machines specially designed for this purpose.	 <u>Pillings</u> For 200 years, Pilling quality instruments have been provided to customers across the world to help improve the standard of patient care. Pilling is especially known globally in the CVT and ENT specialties.
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From own manufacturing and Imported Brands

Our product portfolio has extensive selection of internationally renowned, premium surgical brands curated to meet the highest clinical standards covering general surgery, specialized microsurgery, cardiovascular, orthopedic, and dental instruments to fulfill all procedural requirements.

GENERAL SURGERY



Scissors

Operating Scissors: General-purpose straight or curved blades for cutting sutures and non-durable materials.

Mayo Scissors: Heavy-duty blades for cutting thick tissues like fascia, muscle, and tendons.

Metzenbaum Scissors: Delicate, fine-tipped instruments for dissecting sensitive tissues and fine structures.

Bandage Scissors: Angled design with a blunt, flat lower tip to safely slide under dressings and clothing.

Suture Scissors: Precision tools with a small hook or notch to lift and cut



Forceps

Material: High-grade medical stainless steel (AISI 410 / 420 / 316) for high tensile strength and corrosion resistance.

Types: Available as Ring Forceps (hemostats, locking ratchets) and Thumb Forceps (tweezers).

Tips & Jaws: Features precision-aligned serrated, toothed (1x2, 2x3), or atraumatic bulldog jaws, with micro/standard tip variants.

Specialties: Includes ceramic-tipped non-porous, insulated options and vascular ratcheted clamps.

Finish & Sterilization: Anti-glare satin or mirror finish; fully autoclavable and reusable for repeated steam sterilization.



Needle Holder

Mayo-Hegar Needle Holder: Robust instrument with cross-serrated jaws for a secure grip on medium to heavy needles.

Crile-Wood Needle Holder: Finer jaws designed for handling smaller needles in precision and deep-cavity procedures.

Olsen-Hegar Needle Holder: Integrated cutting blades behind the jaws to hold needles and cut sutures with one tool.

Castroviejo Needle Holder: Spring-action micro-instrument ideal for delicate ophthalmic and plastic surgery procedures.



Laparoscopy Instruments

Engineered for precision and durability, our laparoscopy instruments deliver optimal performance for minimally invasive surgery.

Ergonomic Handles:

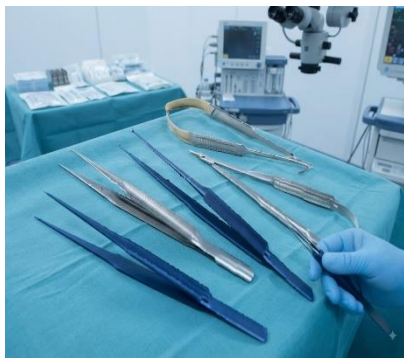
Designed to reduce hand fatigue and enhance tactile feedback during procedures.

Stainless Steel

Construction: High-grade medical steel offering superior corrosion resistance and longevity.

Insulated Shafts: Fully insulated options to ensure patient safety during electrosurgery.

Modular Designs: Simplified components that streamline cleaning, maintenance, and sterilization.



CVTS Coronary Instruments

Precision-engineered instruments designed for cardiovascular and thoracic surgery, ensuring optimal handling and reliability during critical procedures.

High-Grade Materials:

Manufactured from durable medical-grade stainless steel for longevity and corrosion resistance.

Ergonomic Control:

Designed for delicate handling and steady precision in coronary operations.

Sterilization Ready: Built to withstand standard hospital sterilization and autoclaving protocols.



Scalpels

Precision-crafted cutting instruments designed for clean, accurate tissue incisions across various surgical specialties.

High-Carbon Steel Blades:

Ultra-sharp, sterile blades offering exceptional cutting precision and smooth entry.

Reusable Handles:

Ergonomically designed stainless steel handles (such as #3 and #4) providing a secure, comfortable grip.

Secure Blade Attachment:

Engineered for quick and reliable locking of disposable blades

Single-Use Options:

Available in pre-assembled, sterile, single-use

Custom Instrument Inquiries

"We offer an extensive selection of additional surgical instruments tailored to your specifications. Since our complete inventory extends beyond this publication, please reach out to us with your specific requirements."

Surgical Retractors

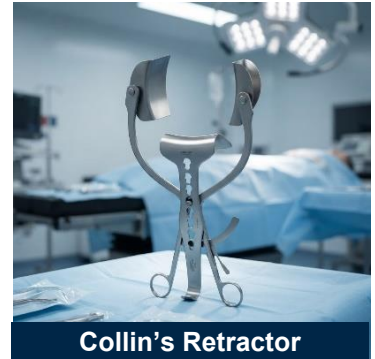
Surgical retractors are indispensable instruments designed to hold back tissues, organs, or edges of a surgical incision, providing surgeons with a clear and unobstructed view of the operative field. By minimizing trauma to surrounding structures, high-quality retractors ensure safe, efficient, and precise surgical procedures across various medical specialties. We offer multiple types of Retractors as below:



IMA Retractor



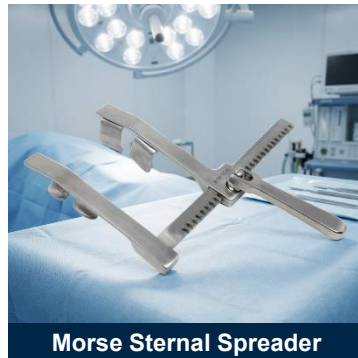
Balfour Retractor



Collin's Retractor



Dennis Browne Retractor



Morse Sternal Spreader



Weltlaner Retractor



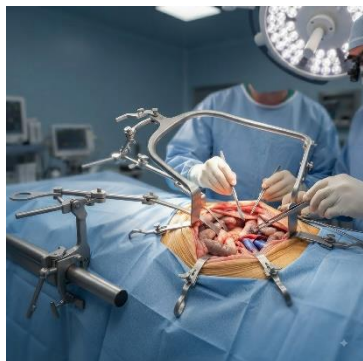
Finochitto Rib Spreader

Key Features & Benefits:

- **Enhanced Visibility:** Maximizes exposure of the operative field for precision interventions.
- **Tissue Protection:** Smooth, atraumatic edges minimize accidental damage to delicate structures.
- **Versatile Configurations:** Available in manual (hand-held) and self-retaining options.
- **Durable Construction:** Made from premium-grade medical stainless steel for corrosion resistance and longevity.

"Ideal for surgery requiring meticulous anatomical exposure"

SparkMed Customized Self Retaining & Table Mounted Retractors



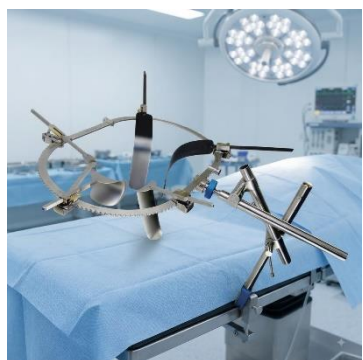
Thompson Type Retractors

- Versatile, single-frame system offering multi-planed, independent retraction.
- Provides uncompromised exposure with unlimited customization for complex cases.
- Essential for general, vascular, and transplant surgeries.
- Features a low-profile design to optimize operative workspace.
- Dedicated to delivering safe, high-quality surgical access.
- Ideal for demanding abdominal and pelvic procedures.



Bookwalter Type Retractor

- Utilizes single-post fixation for reliable stabilization.
- Offers customizable ring configurations and blade options.
- Incorporates a quick-release ratchet mechanism for efficiency.
- Features interchangeable horizontal bars and flexbars.
- Delivers optimal exposure for cholecystectomies and nephrectomies.
- Widely used in vascular grafts and transplant procedures.



Omni-Tract Type Retractor

- Table-mounted system engineered for hands-free surgical access.
- Built to be strong, flexible, and exceptionally user-friendly.
- Delivers high-performance retraction across multiple surgical specialties.
- Provides cost-effective and fully reusable deployment.
- Superior quality standards during extended interventions.
- Secures the operative site efficiently throughout operations.



Table Mounted Retractor Device and Holding Systems

- Features customizable Martin Rigid and titanium flexible arms.
- Table rail clamps prevent post rotation for secure stabilization.
- Vertical posts allow precise height adjustment for bariatric cases.
- Top mounts provide full 360-deg rotation in the horizontal plane.
- Quick-connector fittings for diverse accessory and scope holders.
- Robust, wear-resistant materials for superior durability.

SparkMed Lifesciences



Thank you for exploring our surgical instrument catalog. At our ISO-certified manufacturing facility, we pride ourselves on precision, quality, and reliability for healthcare professionals worldwide.

Extensive Product Range: A wider selection of surgical, diagnostic, and specialty instruments is available to meet your specific clinical requirements upon request.

Global Sourcing: Leveraging our worldwide supply network, we provide seamless access to trusted, top-tier global medical brands.

Custom Manufacturing: We specialize in producing bespoke and custom-designed surgical instruments tailored precisely to your unique specifications and procedural needs.

Contact our sales and support team today to discuss your catalog requirements, custom fabrication projects, or global sourcing needs.



**YOUR TRUSTED PARTNER
IN HEALTHCARE**

FOR ENQUIRIES AND CONTACT

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