

A surgeon in blue scrubs and a hairnet is shown in profile, focused on a surgical procedure. The surgeon is wearing a blue surgical cap and glasses. In the background, a monitor displays a close-up view of the surgical site, showing internal organs and surgical instruments. The overall scene is dimly lit, with the primary light source coming from the surgical field.

BARIATRIC BNEWS

INDUSTRY and PRODUCT GUIDE

2019

The company

For over 50 years, Mediflex® has been a leader in the design and manufacturing of uniquely engineered surgical devices used in operating rooms of leading institutions worldwide. Mediflex® has developed an extensive range of surgical devices which increase work-flow and procedure efficiency, reduce surgical staff, decrease procedure time and costs – resulting in better surgical outcomes.

Today, Mediflex® offers a broad portfolio of innovative surgical devices including laparoscopic holding and positioning systems, table-mounted retractor systems, and instruments for general laparoscopic and bariatric surgery – which meet the stringent demands of surgeons throughout the world.

Mediflex®
SURGICAL PRODUCTS

PRODUCTS OVERVIEW

Holding & Positioning Systems

Mediflex® Holding & Positioning systems are ideal in any laparoscopic procedure for the static holding of a scope and/or instrument – eliminating the need for an assistant. Mediflex® arms feature a Quick-Connect fitting to allow for flexibility in changing tips or attachments for different procedure requirements. Key benefits of the systems include:

- Provides rigid holding for a static image and atraumatic retraction
- Eliminates an assistant to hold a scope and/or retraction instrument
- Maximum versatility in positioning
- Allows for intra-operative adjustments without unlocking handle
- Compatible with robotic procedures
- No need for pneumatic system

FlexArm™ Plus Holding & Positioning Systems

A variety of FlexArm™ configurations are available ranging from one-piece to companion arms attached to mounting posts for maximum flexibility and versatility. The FlexArm™ Plus is stronger, smoother and easier to use with improved features and functions including:

- Sleek, rounded body and knobs
- Quicker, smoother tightening
- Greater rigidity – up to 2 times stronger than previous designs
- Can be positioned in virtually infinite number of positions
- Can hold a wide variety of scopes and instruments
- Fully cleanable



StrongArm™ Holding & Positioning Systems

A StrongArm™ Holder and Positioner is the ideal choice when holding an instrument or device that should not move during the course of the surgical procedure. In addition to holding laparoscopic instruments, StrongArm™ can be used with the Mini-Bookler® Table Mounted Retractor System in neonatal surgery or adult small incision procedures.

- Single tensioning knob which locks/unlocks all three joints simultaneously
- One piece design
- Height adjustable
- Quick-Connect feature allows for a variety of distal attachments to be used on the same arm
- For use in both open and laparoscopic procedures
- Compatible with robotic procedures



Nathanson Liver Retractors

Nathanson Liver Retractors from Mediflex® have proven to be ideal for laparoscopic liver retraction as they support the entire liver to provide complete, atraumatic exposure. The retractors feature a hexagonal proximal end which fits securely into the Quick-Connect Hex Fitting of Mediflex® Holding and Positioning Systems. This direct attachment prevents axial rotation and liver slippage – a common problem with other holding systems. Mediflex® offers the largest selection of Nathanson Liver Retractors on the market – available individually or as sets to accommodate all patients and procedures, including bariatrics, pediatrics and robotics.

- Used in upper GI, bariatric, and GERD procedures

- Robotic versions to prevent interference with robot arm movement
- Eliminates the need of an assistant to hold the liver retractor
- Hexagonal lock fitting eliminates retractor slippage and axial rotation
- Reduced trauma compared to hand-held liver retractors
- Versions with extended distal tips for thicker abdominal walls
- Three different diameter options – 3 mm, 5 mm and 6.5 mm



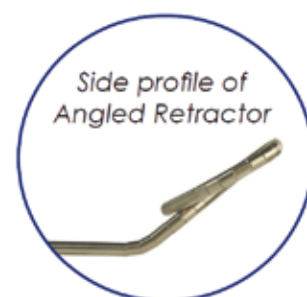
Lapro-Flex® Laparoscopic Articulating Retractors

The Mediflex® range of Lapro-Flex® self-forming articulating retractors allows for convenient and atraumatic retraction of organs and tissue in the peritoneal space. These retractors can be introduced through a 5 mm cannula and articulated to their shape by rotating a knob in the handle. They are available in several different configurations including right angle, triangular and angled triangular.

Benefits of the Lapro-Flex® retractors include:

- Reusable articulating technology used to retract organs and structures in laparoscopic procedures

- Improved quality reduces cable breakage
- Innovative tip design ensures minimal space is required inside the abdomen to form the retractor shape
- Actuating knob quickly forms shape completely
- Wide range of tip configurations (60 mm, 80 mm, Angled, Finger Style)
- Atraumatic tip and shaft
- Durable instrument
- Fully cleanable



SafePass™ Suture Grasper Devices

The Mediflex® SafePass™ Suture Grasper is an innovative, patented device designed to increase patient safety against needle injury. The device has a blunt retractable tip which springs forward rapidly and smoothly once the peritoneal cavity is entered. Its unique grasping channel with large spring jaw provides efficient suture retrieval and prevents suture fraying and breakage during application.

The Mediflex® Suture Grasper Devices are useful for:

- Laparoscopic port closure
- Organ anchoring
- Percutaneous suturing
- Tacking hernia mesh in position prior to final placement
- Ligating abdominal wall bleeders

Benefits of the Mediflex® Suture Grasper Devices include:

- Simple and efficient one-handed operation
- Long, retractable grasping jaws to accommodate virtually any size of suture, any size of trocar
- Cost-effective design permits multiple trocar site closure with a single device per procedure
- Needle tip glides easily through the tissue
- Ergonomic finger grooves and plunger end permits ease and control to manage grasper

- Multiple clinical applications
- SafePass™ features an innovative blunt tip design to increase patient safety against needle injury
- Suture Passer Guides for closure of laparoscopic ports – reusable, three configurations available



Port-Free Internal Retractors

Mediflex® sterile, disposable Port-Free Internal Retractors provide a simple, effective solution to create more space during laparoscopic surgery. The range of retractors offer secure, low-profile static or dynamic organ suspension – without interference of operating instruments or robotic arms.

Port-Free Retractors save operating time and money by eliminating a port, retraction

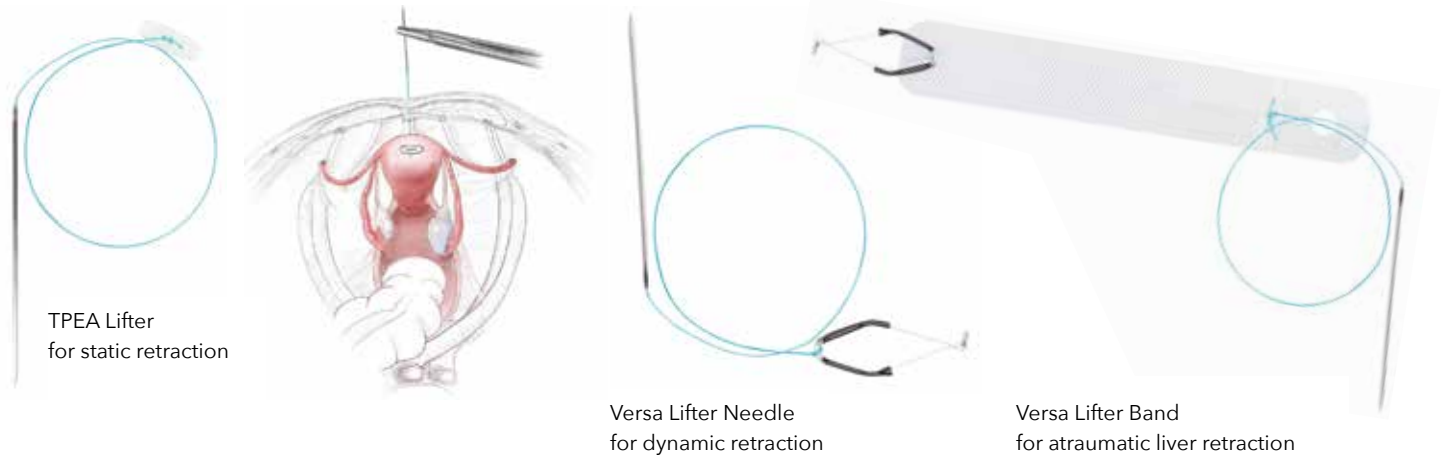
instrument and assistant. The retractors are highly effective for retraction/suspension of all organs and tissue including liver, uterus, ovaries, sigmoid colon, peritoneum, colon, stomach, gallbladder, and bladder.

Benefits of the Port-Free Internal Retractor include:

- Hands-free solution for optimal surgical field exposure
- Dynamic retraction with adjustable distance

and angle of suspension

- Ideal for organ suspension/retraction in lower pelvic surgeries
- Eliminates needing a port dedicated for retraction – saving time and money
- Fully compatible with robotic procedures
- Easy, rapid set-up
- Available in 5 cm and 6.5 cm needle lengths to accommodate abdominal wall thickness
- Single-use, disposable – ready to use



Cutting Edge™ Disposable Tip Laparoscopic Instruments

Mediflex® offers a superior laparoscopic instrument system engineered for optimal performance while combining disposable and reusable components for maximum cost-efficiency. The Cutting Edge™ disposable tips are not only new for each patient but the tip alignment enables precise cutting or manipulation of the tissue. The reusable one-piece instrument is made from high-quality materials with a robust design for maximum safety, performance and life expectancy.



- Sharp, sterile tip for every procedure
- Easy assembly
- Reusable handle and shaft
- Superior shaft and tip insulation
- Reduction of storage space
- Eco-friendly, reduces medical waste
- All tips and handles made entirely in the USA

Bookler® Table Mounted Retraction Systems

Since 1974, Mediflex has been an innovator and leader in table mounted retraction systems. The Bookler® System is identical in both function and dimensions to original ratchet blade type systems and components. In addition to the extensive line of preconfigured procedural systems and components, Mediflex® offers the StrongArm™ Plus which provides unparalleled stability and positioning flexibility without the Field Post obstructing surgical field access. The product offering includes:

- Components compatible with similar style systems
- Procedural Systems and components
- Accessory Sets including Bariatric Blade Sets
- Extensive line of retractor blades, custom

- blades offered
- Flex-Light Malleable Fiber Optic Light Attachment
- Malleable Blade Bending and Shaping Tool

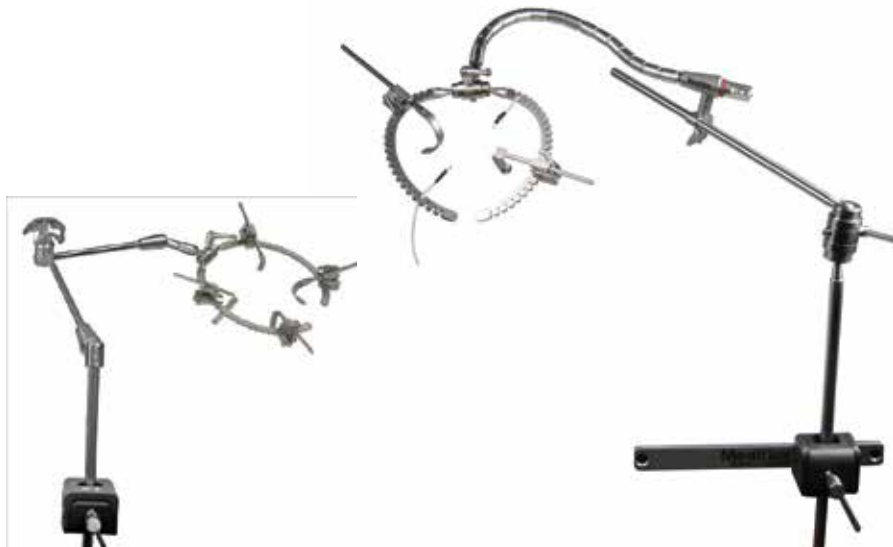
- Attachment to Field Post or StrongArm™ Plus
- On-site check-up and accredited SPD inservice available



Mini-Bookler® Retraction Systems

The Mini-Bookler® System is the first and only table mounted retractor system to have all of its components downsized for neonatal, pediatric and adult small-incision procedures. Attachment to a FlexArm™ or StrongArm™ provides table mounted stability and unobstructed surgical field access. The product offering includes:

- Procedural Systems and components
- Adjustable split ring to accommodate any surgical location or incision size
- Holding and Positioning Devices for table mounted stabilization
- Extensive line of Mini-Bookler® Retractor Blades, custom blades offered
- Flex-Light Malleable Fiber Optic Light Attachment



Universal Round Bar™ Retraction Systems

The Universal Round Bar™ System features a strong, one-piece frame which allows for maximum stabilization and specific adjustability. Mediflex® offers single-post or Bilateral Round Bar™ Systems to support all procedures. The Bilateral Systems are suitable for upper abdominal, liver transplant and bariatric surgery.

Mediflex's Universal Round Bar™ System offers a cost-effective retraction solution with compatible components to other round bar systems.

- Sturdy 1" platform mounted to the table
 - Hybrid system used for open and laparoscopic cases
 - Interchangeability with competitor systems (Blades, Snap Clamps, Bridges, 1/2" x 1/2" Coupler)
 - Simple, rapid set-up
 - Expanded versatility for different procedures / specialties
 - Twist Ratchet provides controlled retraction to protect sensitive anatomy
 - Wide array of blade configurations, custom blades offered
 - Protected Edge Malleable Blades
 - Available in standard and deluxe systems.
- The product offering includes:
- Procedural Systems, Accessory Sets and components
 - Components (compatible with other round bar systems)
 - Flex-Light Malleable Fiber Optic Light Attachment
 - Sterilization Trays and Containers
 - Visceral Retainer (for safe closure)



DynaTrac™ Retraction System

The Mediflex® DynaTrac™ Retraction System enables precise retraction for optimal surgical exposure and access. The versatile, lightweight DynaTrac™ Retractor Frames permit use of disposable elastic Surgical Stays for superficial retraction as well as Mini-Bookler® retractor blade attachment for deeper retraction. The FlexArm™ Plus

Holding & Positioning System provides maximum stability of the DynaTrac™ Retraction System and can additionally be useful for scope or instrument holding during laparoscopic procedures.

The DynaTrac™ system offers:

- Precise, dynamic retraction for superficial and deeper exposure requirements
- Simplifies dissection and overall surgery
- Cost-effective, reusable retractor frame and blades
- Wide array of Mini-Bookler® retractor blades
- Sterile, disposable Surgical Stays available
- FlexArm™ Plus Holding & Positioning System affords maximum stabilization, particularly during procedures in the pelvic region

**MEDIFLEX KEY PRODUCTS LIST****Table Mounted Holding / Positioning Systems and Accessories**

- FlexArm™ Plus Devices
- StrongArm™ Devices
- Nathanson Liver Retractors
- Lapro-Flex® Articulating Retractors
- Holding Tips

Table Mounted Retractor Systems

- Bookler® TMR Systems & Components
- Mini-Bookler® TMR Systems & Components
- Universal Round Bar™ TMR Systems & Components
- Bilateral Round Bar™ TMR Systems & Components
- DynaTrac™ TMR System & Components
- Davida™ Neuro Stabilization System & Components
- Extensive line of Retractor Blades
- Flex-Light Malleable Fiber Optic Light Attachment
- Blade Bender for Malleable Blades

Laparoscopic Surgical Instruments

- Deluxe Modular Instruments
- 3.5 mm Laparoscopic Instruments
- Percutaneous MicroGrip Ratcheting Retractors
- Laparoscopic Needle Holders – one-piece and modular
- Anvil Graspers
- Knot Pushers

Laparoscopic Disposable Products

- Cutting Edge™ Disposable Tip Scissor System with reusable instrument
- Port-Free Internal Retractors
- Percutaneous Suture Grasper Devices
- Cholangiography Catheters

Contact Details

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Mediflex®

SURGICAL PRODUCTS

Redefining Retraction.

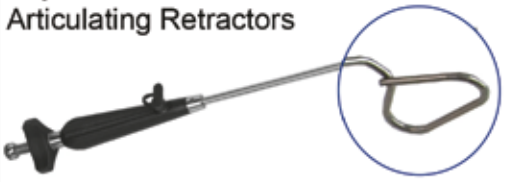
StrongArm™
Holding &
Positioning
Systems



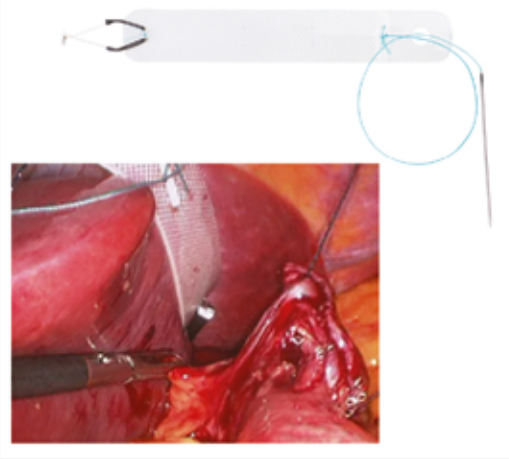
Nathanson Liver Retractors
*featuring a wide array of configurations
including versions for robotic procedures*



Lapro-Flex®
Articulating Retractors



Versa Lifter Band
Port-Free Internal Retractors
For dynamic liver retraction



FlexArm™
Holding &
Positioning
Systems



Quick-Connect Tips
*for secure scope and
instrument holding*



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