



LIFT, CUT, COAGULATE AND CLOSE ENDOSCOPIC SUBMUCOSAL DISSECTION (ESD) PRODUCT PORTFOLIO

Micro-Tech Endoscopy offers global experience within its ESD portfolio of products and solutions to lift, cut, coagulate and close.



CLOSING THE GAP ON ESD

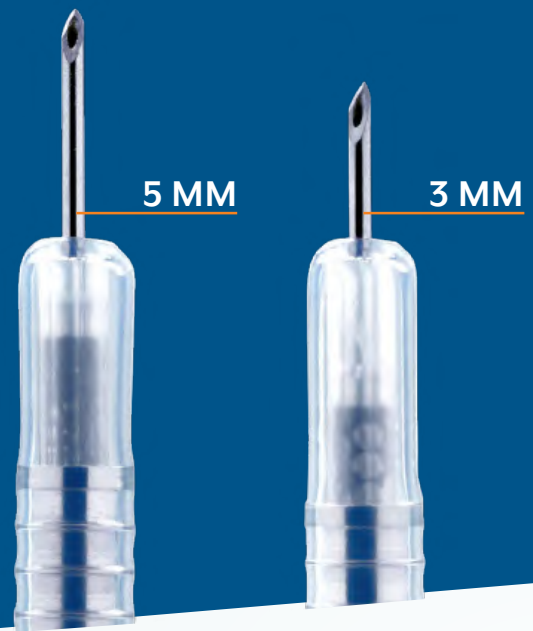
Endoscopic Submucosal Dissection (ESD) is a highly advanced endoscopic procedure with the potential for curative resection of superficial colorectal, esophageal and gastric lesions.

“Innovation in ESD is at the heart of our mission to transform patient care, providing clinicians with the tools they need to deliver precision, safety, and life-changing outcomes.”

CHRIS LI
EXECUTIVE PRESIDENT, MICRO-TECH GROUP

INJECT

INJECTION NEEDLE AND PINPOINT



Micro-Tech Injection Needles offer a simple, elegant solution, the 5 mm and 3 mm long lancet injection needles are offered in 22 and 25 gauge.

- Single-handed operation and patented ratchet mechanism for audible confirmation of deployment
- Quick release button – quickly returns the needle fully into the sheath
- Recessed metal sleeve - ensures needle performance through various scope positions
- PinPoint Injection Needle (3 mm projection) - helps consistently target the submucosal space

“Every innovative advancement we make in ESD technology is a step toward empowering clinicians to tackle the most complex cases with confidence and precision that positively impacts the lives of the patients they serve.”

SCOTT HAACK, D.C., B.A., B.S.
CREATIVE INVENTOR AND PROBLEM SOLVER

BLUEBOOST



BlueBoost™ is a lifting agent that lasts. Once injected into the submucosal space, BlueBoost adds efficiency to GI procedures by separating the layers of the intestine and helping to delineate the margin around the lesion. This premixed deep sky-blue viscous solution is designed to assist with the removal of polyps, adenomas, and other lesions. BlueBoost contains sodium hyaluronate as the active ingredient. Various studies reported that the use of Sodium Hyaluronate provides a long-lasting fluid cushion.¹

- Comes in prefilled syringes – ready to use
- Outlasts saline – creates a reliable lift that will save time
- Deep sky-blue color – premixed sky-blue color designed to help delineate margins
- Sodium Hyaluronate based – provides a long-lasting fluid cushion

“What sets Blue Boost apart when handling a complex EMR is its reliability in providing an excellent lift while creating a safety cushion, its user-friendly design, and its competitive pricing. That’s why it’s my go-to choice.”

DR. WASSEM JUAKIEM, MD, ADVANCED GASTROENTEROLOGIST

GOLDKNIFE



The Micro-Tech Electrosurgical Knives have gold plating on the exposed metal posts, which may reduce tissue residue from adhering to the knife because gold is a highly effective conductor.

T KNIFE

The T tip GoldKnife has integrated electrosurgical and water injection functions, eliminating the need for instrument exchange which may save you time.

IT KNIFE

The IT tip GoldKnife features a ceramic tip which provides insulation, minimizing invasiveness while providing a 4.0 mm cutting electrode.

“Selecting an ESD knife with injection capability can significantly reduce procedure time by eliminating the need to switch instruments, allowing for seamless dissection and improved efficiency.”

DR. MARKUS GOLDSCHMIEDT, MD,
ASSOCIATE PROFESSOR, THERAPEUTIC ENDOSCOPIST

COAGULATE

ENSURE COAGULATION FORCEPS



360° bidirectional rotation
for targeting bleeds.

EnSure™ reliable hemostasis of bleeding vessels without affecting surrounding tissue. The EnSure Coagulation Forceps are designed to cauterize and coagulate GI bleeds. These single-use hemostatic forceps deliver targeted monopolar coagulation to isolate vessels and achieve hemostasis. Bleeding vessels can be approached with precision due to the reliable 360° bidirectional rotation.

“By closely collaborating with healthcare professionals, we focus on combining cutting-edge technology with practical design, ensuring that every device meets the real-world needs of physicians and patients.”

JARRETT ZIMMERMAN, MICRO-TECH VP OF MARKETING

TRACTION

SURETRAC TRACTION SYSTEM



SureTrac™ retracts tissue to assist in tissue exposure, resection, and removal within the stomach and colon. The SureTrac system features a preloaded elastic silicone band on a primary clip and a secondary clip to anchor on tissue. The superelastic silicone band is designed to retract and release energy for dynamic traction; this provides enhanced visualization and enables tissue management while dissecting submucosal lesions.

Each kit includes:

- A Primary Device, SureClip® preloaded with a silicone band
- A Secondary Device with the same size clip as the Primary Device but available in either SureClip® or Lockado® clip design

“This novel clip-band device reduces the reliance on gravity, improves visualization, and ensures optimal tissue traction, adding efficiency in challenging resections.”

DR. HIROYUKI AIHARA, MD, PHD, ADVANCED ENDOSCOPIST

APPROXIMATE

DAT CLOSURE DEVICE



Gastrointestinal defect closure devices should be **quick, easy to use, and effective**. The DAT™ Closure Device has a center post flanked by two arms which can operate independently to capture tissue and support manipulation to close mucosal defects. The DAT closure device can be repositioned before deployment and can be used alone or to approximate tissue margins and hold them in place while other through-the-scope clips are placed to further secure defect closure.

Now indicated for up to 5 cm!

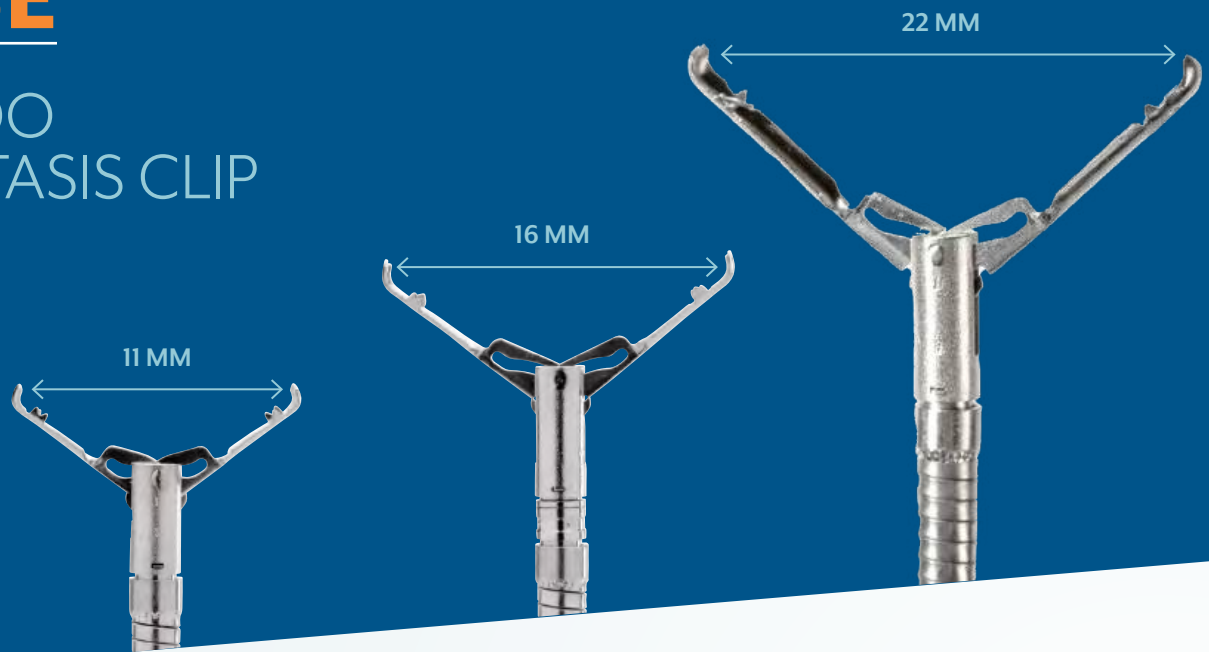


“Our study demonstrates that the DAT Closure Device, when used alongside conventional clips, achieves a remarkably high rate of complete closure while minimizing delayed bleeding—an important step forward in post-resection management.”²

DR. DENNIS YANG, MD, ADVANCED GASTROENTEROLOGIST

CLOSE

LOCKADO HEMOSTASIS CLIP



Hemostasis clips need to provide accuracy, reliability and precise functionality. With two sets of opposing atraumatic teeth in the arms of the clip, Lockado delivers a reliable and secure grip for consistent performance. Driven by Micro-Tech Endoscopy's proven clip delivery system, the Lockado clip provides exceptional reliability and tissue management.

- Unrestricted opening and closing - repositionable
- Atraumatic teeth, rounded teeth with space between when arms closed
- High retention force on tissue when compared to other competitive hemostasis clips³
- Short stem - indicated for side-viewing scopes
- Variety of sizes: 11 mm, 16 mm and 22 mm

“I prefer the Micro-Tech clips in situations such as post-ERCP sphincterotomy/ampullectomy bleed, perforation closure, EMR/ESD, mucosectomy in esophagus, small bowel or colon because they grip tissue easily and the exceptionally short stems are great in tight spaces.”

DR. FENG LI, ADVANCED ENDOSCOPIST

ACCESSORIES

ESD SPECIMEN TRAY



The ESD Specimen Tray conveniently contains everything needed to mount tissue specimens before sending them to pathology. The tabs on the lid help seal the box so tissue is protected while it is transported. A tube of push pins is included in the box for mounting the tissue to the specimen pad. Markings on the blue pad help track orientation and include a measurement grid for sizing.



The Micro-Tech device organizer is perfect for storing medical devices during advanced endoscopic procedures. Without organization, devices may fall to the floor, get tangled or even become damaged. The organizer conveniently adheres to surfaces such as the countertop, bedside rail, or endoscopy cart. Keep devices organized, protected and secure until needed.

- Adhesive anchoring strips
- Five oversized, clear pouches
- Bendable hooks to hold ring handles

“Innovation begins with identifying a need. This device organizer was born out of a desire to bring order to complexity, ensuring precision and efficiency in every procedure.”

DR. PETROS BENIAS, MD, ADVANCED GASTROENTEROLOGIST
AND INVENTOR OF DEVICE ORGANIZER

INJECTION NEEDLES STERILE

Order Number	REF/Catalog Number	Description	Needles Gauge/Length (mm)	Sheath Diameter (mm)	Working Length (cm)	Minimum Channel Size (mm)	Package Units
IN33131	IN12-225231802	Injection Needle Upper	22/5	2.3	180	2.8	10/Box
IN33221	IN12-255231802	Injection Needle Upper	25/5	2.3	180	2.8	10/Box
IN33151	IN12-225232302	Injection Needle Lower	22/5	2.3	230	2.8	10/Box
IN33241	IN12-255232302	Injection Needle Lower	25/5	2.3	230	2.8	10/Box
IN33301	IN12-223232302	PinPoint Injection Needle Lower	22/3	2.3	230	2.8	10/Box
IN33331	IN12-253232302	PinPoint Injection Needle Lower	25/3	2.3	230	2.8	10/Box

BLUEBOOST STERILE

Order Number	REF/Catalog Number	Description	Package Units
SL62521	SML10	BlueBoost Submucosal Injectable Solution, 10 ml	12/Box

GOLDKNIFE STERILE

Order Number	REF/Catalog Number	Description	Working Channel (mm)	Length (cm)	Cutting knife length when extended (mm)	Package Units
MK55131	MK-T-1-195	GoldKnife T, Irrigating	2.8	195	1.5	1/Box
MK55141	MK-T-1-235	GoldKnife T, Irrigating	2.8	235	1.5	1/Box
MK55151	MK-T-1-195	GoldKnife T, Irrigating	2.8	195	2.0	1/Box
MK55161	MK-T-1-235	GoldKnife T, Irrigating	2.8	235	2.0	1/Box
MK55211	MK-IT-4-195-N	GoldKnife IT	2.8	195	4.0	1/Box
MK55221	MK-IT-4-235-N	GoldKnife IT	2.8	235	4.0	1/Box

ACTIVE CORD

Order Number	REF/Catalog Number	Description	Package Units
QB51011	AEC-03-08	3.0 mm Active Cord, Reusable, Bovie 8.0 mm Male Fitting	1/Box

ENSURE COAGULATION FORCEPS STERILE

Order Number	REF/Catalog Number	Description	Jaw Style	Working Length (cm)	Outer Diameter (mm)	Jaw Opening (mm)	Package Units
CF48331	CF165-B	Ensure Coag Forceps Grooved Jaw	Grooved Jaw	165	2.3	6.3	10/Box
CF48361	CF230-B	Ensure Coag Forceps Grooved Jaw	Grooved Jaw	230	2.3	6.3	10/Box

SURETRAC KIT STERILE

Order Number	REF/Catalog Number	Description	Clip Size	Secondary Device Style	Minimum Channel Size	Package Units
TS63041	ETS00004	SureTrac Elastic Traction Device	11 mm	SureClip	2.8 mm	1/Box
TS63061	ETS00006	SureTrac Elastic Traction Device	16 mm	SureClip	2.8 mm	1/Box
TS63101	ETS10004	SureTrac Elastic Traction Device	11 mm	Lockado	2.8 mm	1/Box
TS63121	ETS10006	SureTrac Elastic Traction Device	16 mm	Lockado	2.8 mm	1/Box

DAT CLOSURE DEVICE STERILE

Order Number	REF/Catalog Number	Description	Opening Width (mm)	Working Length (cm)	Minimum Channel Size (mm)	Package Units
TC35531	STA00003	DAT Closure Device	15	235	3.2	Each

LOCKADO HEMOSTASIS CLIP STERILE

Order Number	REF/Catalog Number	Opening Width (mm)	Sheath Diameter (mm)	Working Length (cm)	Minimum Channel Size (mm)	Packing Units
LO30861	LOCK-D-26-235-C-N	11	2.6	235	2.8	10/Box
LO30865	LOCK-D-26-235-C-N	11	2.6	235	2.8	2/Box

LOCKADO PLUS HEMOSTASIS CLIP STERILE

Order Number	REF/Catalog Number	Opening Width (mm)	Sheath Diameter (mm)	Working Length (cm)	Minimum Channel Size (mm)	Packing Units
LO30891	LOCK-F-26-235-C-N	16	2.6	235	2.8	10/Box
LO30895	LOCK-F-26-235-C-N	16	2.6	235	2.8	2/Box

LOCKADO MAX HEMOSTASIS CLIP* STERILE

Order Number	REF/Catalog Number	Opening Width (mm)	Sheath Diameter (mm)	Working Length (cm)	Minimum Channel Size (mm)	Packing Units
LO35041	LOCK-G-26-235-C-N	22	2.6	235	2.8	10/Box
LO35045	LOCK-G-26-235-C-N	22	2.6	235	2.8	2/Box

*Jaws may not open to maximum reach until placed in contact with tissue.

ESD SPECIMEN TRAY

Order Number	REF/Catalog Number	Description	Dimensions	Package Units
QB55011	ESDT-9090	ESD Specimen Tray with pins	5.5" x 5.5" x 2.75"	6/Box

MICRO-TECH DEVICE ORGANIZER

Order Number	REF/Catalog Number	Description	Dimensions (cm)	Package Units
QL22951	EDO-1000-5	Endoscopy Device Organizer, 5 Pocket	100 x 100	20/Box



VIEW ALL
ESD PRODUCTS

1. Castro R, Libânio D, Pita I, Dinis-Ribeiro M. Solutions for submucosal injection: What to choose and how to do it. World J Gastroenterol. 2019 Feb 21;25(7):777-788. doi: 10.3748/wjg.v25.i7.777. PMID: 30809079; PMCID: PMC6385015.
2. Mohammed A, Gonzaga ER, Hasan MK, Saeed A, Friedland S, Bilal M, Sharma N, Jawaid S, Othman M, Khalaf MA, Hwang JH, Viana A, Singh S, Hayat M, Cosgrove ND, Jain D, Arain MA, Kadkhodayan KS, Yang D. Low delayed bleeding and high complete closure rate of mucosal defects with the novel through-the-scope dual-action tissue clip after endoscopic resection of large nonpedunculated colorectal lesions (with video). Gastrointest Endosc. 2024 Jan;99(1):83-90.e1. doi: 10.1016/j.gie.2023.07.025. Epub 2023 Jul 21. PMID: 37481003.
3. Bench testing was performed (n=5, n=25) per device. Test report: MTN-0035150 A1 Comparison Test Report