FERDINAND MEDICAL
Advanced Equipment, Trusted Care

Speedboat™ UltraSlim

Creo Medical's slimmest multi-modal device with Advanced Bipolar RF for cutting and Super High Frequency Microwave for coagulation

Slimmer. *Faster.* Smaller.

2.8mm
scope channel compatibility

Anything is Possible with the Right Approach

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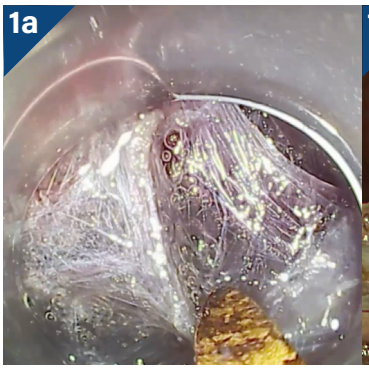
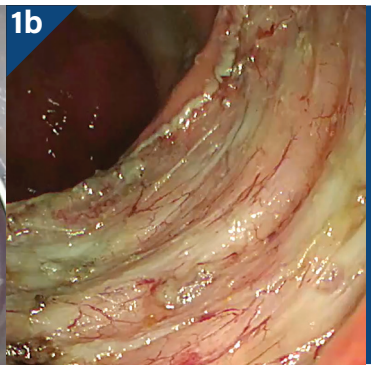
CROMA Advanced Energy Platform

The CROMA Advanced Energy Platform precisely controls **Advanced Bipolar RF** and **Super High Frequency (SHF) Microwave** energy to enable a suite of flexible endoscopic devices designed to deliver:

- A unique **usability and safety profile**[1-6]
- Optimal **tissue effect**[1-6]
- Improved **clinical and economic outcomes**[6]
- **Expanded capabilities** in therapeutic endoscopy

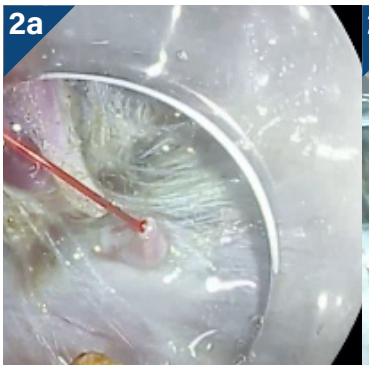


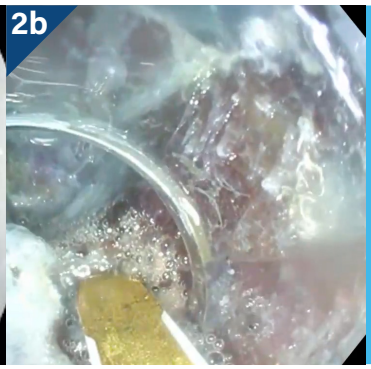


Advanced Bipolar RF

Enables a smooth cut with clean margins and minimal bleeding[1]

- Closed-loop technology and proprietary waveform
- Lower voltage than standard monopolar
- Focused energy, adapted based on tissue response





SHF Microwave

Enables on-demand, reproducible effects for both ablations and hemostasis[1]

- Super high frequency (5.8 GHz)
- Precise control of the thermal energy and depth of penetration

Images (top)

1a. Cut fibrotic tissue

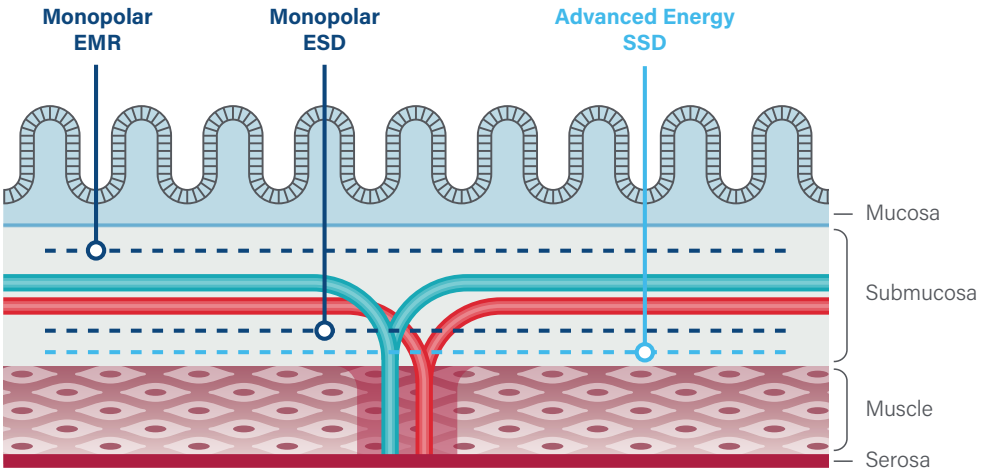
1b. Uncharred margins and muscle 'bed'

2a. Active bleeding

2b. Large vessels

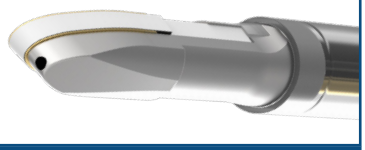
Image (right)

GI tract layers



Speedboat UltraSlim: Features & Benefits

Speedboat UltraSlim is our slimmest Advanced Energy multi-modal instrument designed for flexible endoscopy that can deliver both advanced bipolar RF and SHF microwave energy from a single device.



Integrated lifting system & Protective Hull

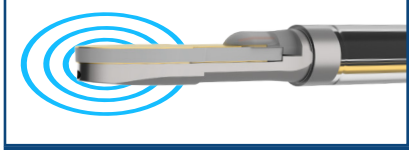
Compatible with both endoscopic pumps and syringes, the integrated system provides rapid tissue lifts during dissections.

Protects the muscle bed from unwanted thermal injury by maintaining a constant distance from the energy source, allowing cutting close to the muscle bed

Precise Advanced Bipolar RF cutting

Blade design controls the depth of penetration and provides a focused pathway of energy delivery at lower voltage <460 V.

Adjusts voltage/current based on tissue impedance automatically to maintain power density for a smooth, high quality and precise cut.

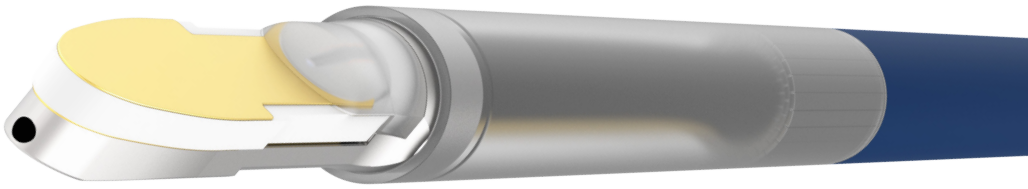


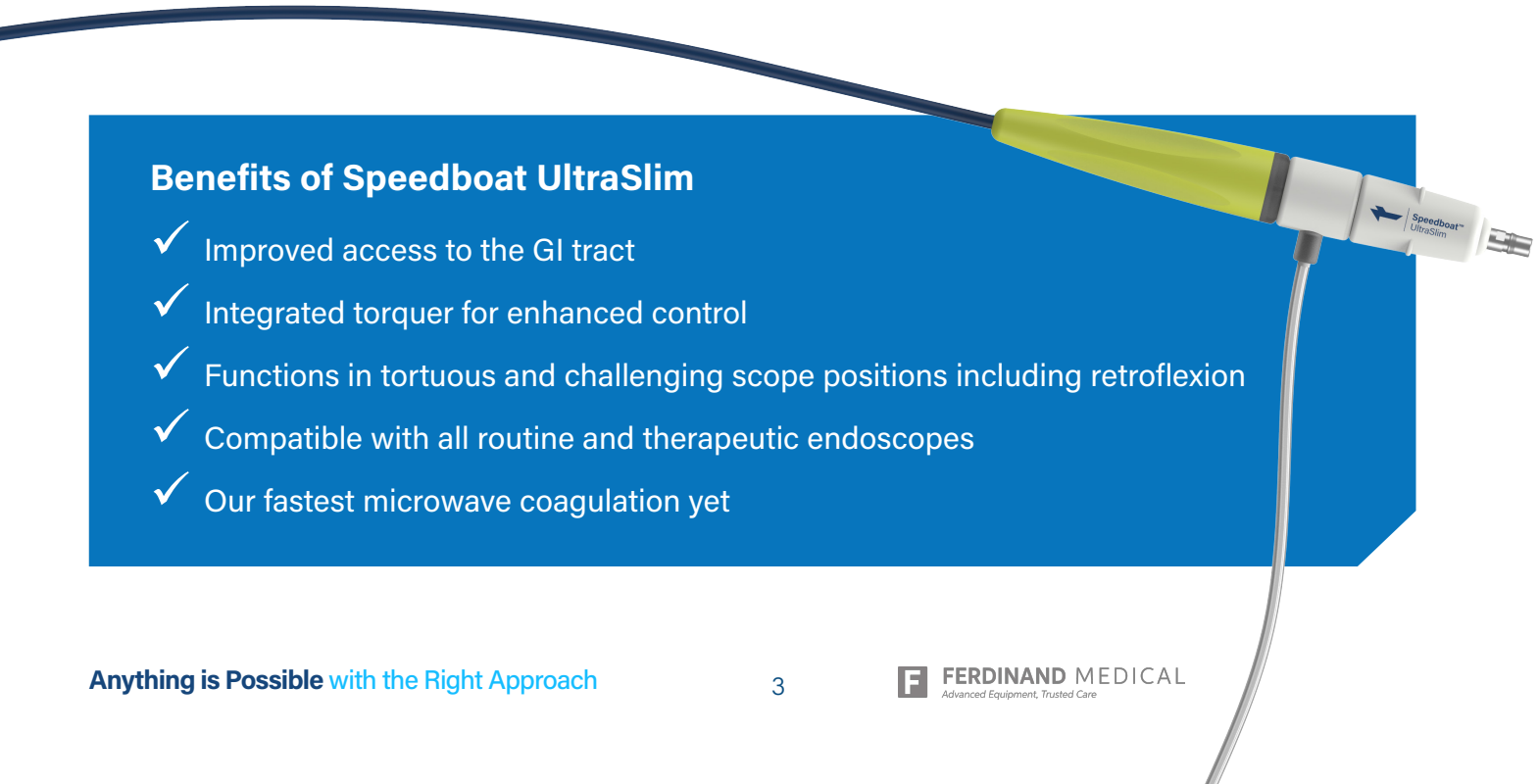
On-demand, controlled microwave coagulation

SHF Microwave energy distributes heat evenly across the treatment area, coagulating the area and constricting the source of bleeds.

5.8 GHz enables controlled depth of penetration not impacted by tissue resistance, designed to minimise the risk of perforations and charring.[1]

Multi-modal device





Benefits of Speedboat UltraSlim

- ✓ Improved access to the GI tract
- ✓ Integrated torquer for enhanced control
- ✓ Functions in tortuous and challenging scope positions including retroflexion
- ✓ Compatible with all routine and therapeutic endoscopes
- ✓ Our fastest microwave coagulation yet

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Specifications

Specification	Speedboat UltraSlim (long)	Speedboat UltraSlim (short)
Product Reference	PRD-SB1-001	PRD-SB1-002
Min. Scope Channel Size	2.8mm	
Max Catheter Size	2.4mm	
Working Length / Full Length	1.9m / 2.3m	1.25m / 2.3m
Advanced Bipolar RF (Cut)	15 - 35 Watts	
Super High Frequency Microwave (Coag)	08 – 10 Watts	

www.ferdinandmedical.com for more information

References

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3. A new approach to endoscopic submucosal tunneling dissection: the "Speedboat-RS2" device. Zacharias P. Tsiamoulos et al. published in Endoscopy. https://www.thieme-connect.de/products/ejournals/html/10.1055/a-0875-3352
4. Endoscopic submucosal tunneling dissection: use of a novel bipolar radiofrequency and microwave-powered device for colorectal endoscopic submucosal dissection. Thomas R. McCarty, Hiroyuki Aihara. Published in Video GIE, official video journal of the American Society of Gastrointestinal Endoscopy. https://www.videogie.org/article/S2468-4481(20)30090-4/fulltext
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6. Cost-effectiveness analysis of Speedboat submucosal dissection in the management of large non-pedunculated colorectal polyps, based on 50 patients. Authors: Amir Ansaripour, Mehdi Javanbakht, Adam Reynolds, Zacharias Tsiamoulos. Data on file.

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