



SpydrBlade™
Flex

The most versatile dissection tool in flexible endoscopy

Unique multi-modal Endoscopic device
with advanced bipolar RF for cutting and
super high frequency 5.8GHz microwave
for coagulation



Anything is Possible
with the Right Approach



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MEDICAL**

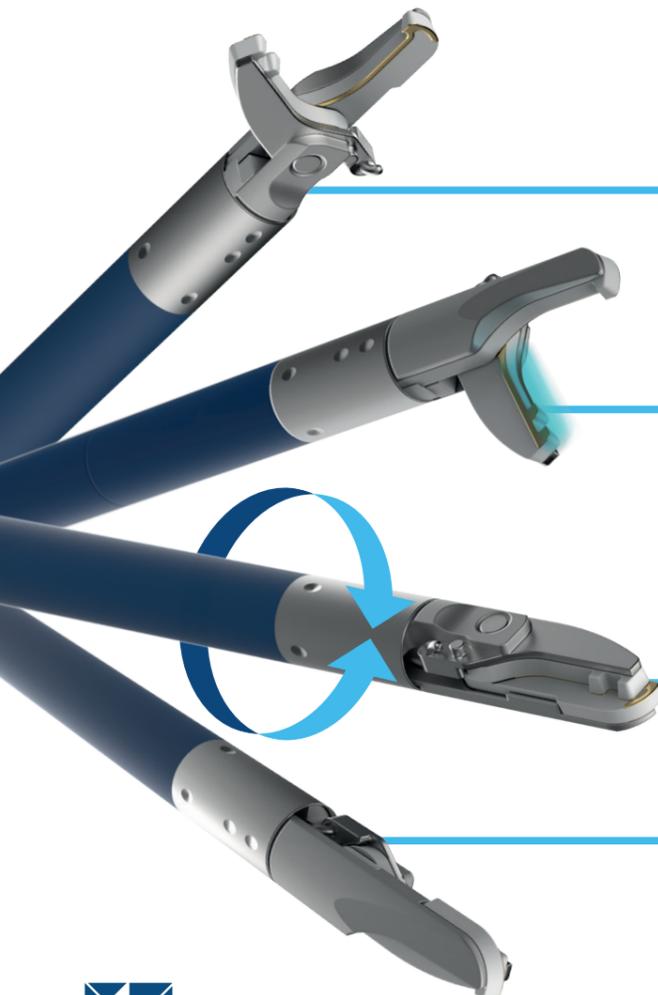
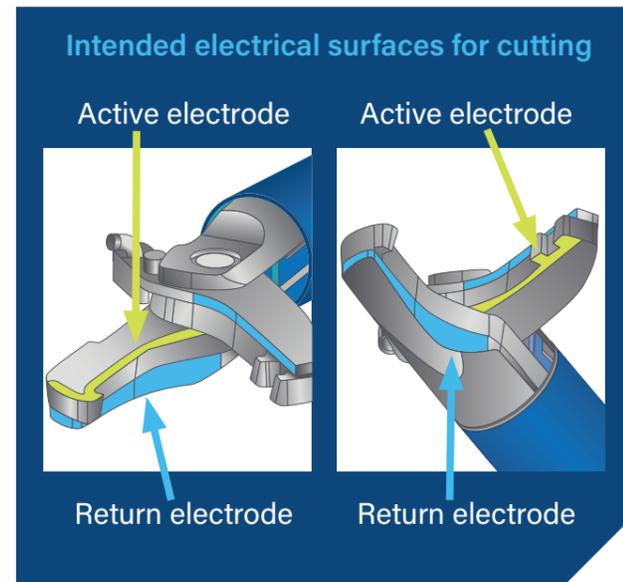
SpydrBlade Flex: Versatility

The most versatile dissection tool in flexible endoscopy

The SpydrBlade Flex is a unique multi-modal endoscopic device designed for precision and adaptability in endoscopic procedures. It integrates CROMA's innovative advanced bipolar RF cutting technology with super high-frequency (SHF) 5.8GHz microwave coagulation, offering a versatile solution with multiple options for handling complex tissue resections or achieving haemostasis in a single device.

Device Capabilities:

- Multi-modal device
- Precise advanced bipolar RF cutting
- On-demand, controlled SHF 5.8GHz microwave coagulation
- Able to cut in open AND closed positions
- Blade design controls the depth of penetration



Precise Advanced Bipolar RF Cutting
 Blade design provides a focused pathway of energy delivery at lower voltage <460 V. Adaptive waveform automatically adjusts parameters to tissues and balances coagulation during cutting to minimise bleeding!

On-demand, controlled microwave coagulation
 SHF microwave energy distributes heat evenly across the treatment area, coagulating the area and constricting the source of bleeds.

Rotatable
 For easier orientation in challenging locations

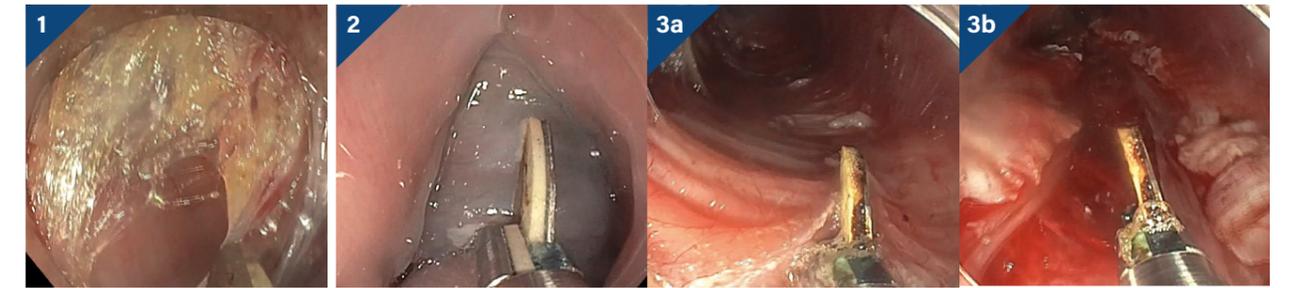
Protective Hull
 Unique jaw design protects the muscle bed from unwanted thermal injury by maintaining a constant distance from the energy source, allowing cutting close to the muscle bed.



SpydrBlade Flex: Precision

Precise advanced bipolar RF cutting

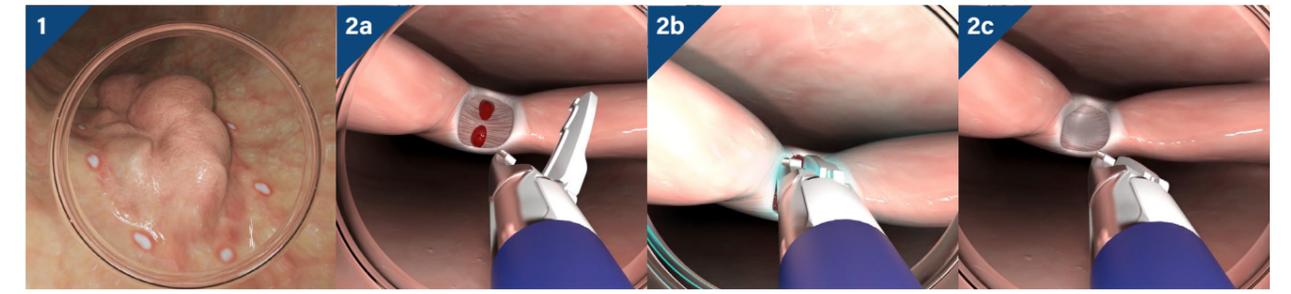
The blade design controls the depth of penetration and provides a focused pathway of energy delivery at lower voltage <460 V. The voltage/current is adjusted based on tissue impedance automatically to maintain power density for a smooth, high quality and precise cut. This advanced bipolar energy allows for the cut to be performed with the jaws opened, closed or through the tip.



Images: 1. Tip Cut 2. Open/Close cut (Snip) 3a/b. Open Cut

On-demand, controlled SHF microwave coagulation

SHF 5.8 GHz microwave energy distributes heat evenly across the treatment area, coagulating and constricting the source of bleeds, enabling controlled depth of penetration not impacted by tissue resistance, designed to minimise the risk of perforation and charring! The microwave energy is delivered through both jaws, allowing for application of energy between the jaws, or through the distal end.



Images: 1. Tissue marking with coagulation through the tip 2a-c. Coagulation through the jaw closed

CROMA Advanced Energy Platform: The power behind SpydrBlade Flex

The CROMA Advanced Energy Platform precisely controls advanced bipolar RF and SHF 5.8 GHz 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

Find out more about CROMA:





Specifications

Specification	SpydrBlade Flex
Product Reference	PRD-RG1-001
Min. Scope Channel Size	3.2mm
Max Catheter Size	2.7mm
Working Length	1.8m
Advanced Bipolar RF (Cut)	15 -35 Watts
Super High Frequency Microwave (Coag)	08 – 10 Watts

Visit: www.creomedical.com for more information

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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](https://www.videogie.org/article/S2468-4481(20)30090-4/fulltext)
5. Tsiamoulos et al. First results using Speedboat Tunneling technique in colorectal submucosal dissection – clinical outcomes and procedure time prediction models. Poster presented at UEG 2020. <https://ueg.eu/library/first-results-using-speedboat-tunneling-technique-in-colorectal-submucosal-dissection-clinical-outcomesandprocedure-time-prediction-models/240928>
6. Cost-effectiveness analysis of Speedboat submucosal dissection in the management of large non-pedunculated colorectal polyps, based on 50 patients. Authors: Amir Ansari-pour, Mehdi Javanbakht, Adam Reynolds, Zacharias Tsiamoulos. Data on file.

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