



IG Electrosurgical unit MAX Series Plus

www.ig-medical.de
info@ig-medical.de

Reliable energy control for precise surgical performance



Electrosurgical Unit MAX Plus

The MAX Plus electrocautery unit is designed to deliver stable and controlled energy output across a wide range of surgical applications.

With automatic power regulation and consistent performance, it supports safe tissue interaction and reliable hemostasis in daily operating room use.

Key benefits

- Stable output control – automatic regulation adapts to tissue impedance
- Versatile functionality – cut, coagulation, and bipolar operating modes
- Consistent performance – suitable for multiple surgical disciplines
- Designed for dependable operation, the MAX Plus supports precise vessel sealing and controlled tissue effects, contributing to enhanced safety and workflow efficiency in the operating theatre.



VESSEL SEALING

Controlled bipolar energy for reliable vessel sealing

IG Medical's vessel sealing technology is designed to deliver consistent and dependable sealing performance in both open and laparoscopic procedures.

By combining controlled tissue compression with precisely regulated bipolar energy delivery, the system supports effective vessel sealing with limited thermal spread.

When used with the MAX Plus Electrosurgical Unit, tissue impedance is continuously monitored, and energy output is automatically adjusted in real time.

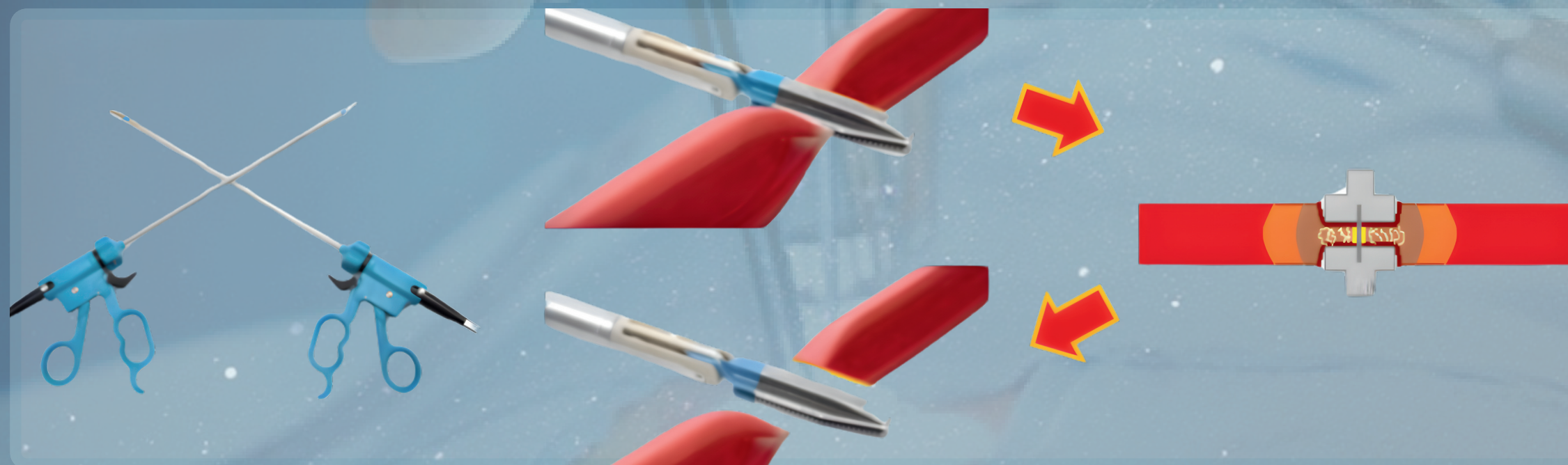
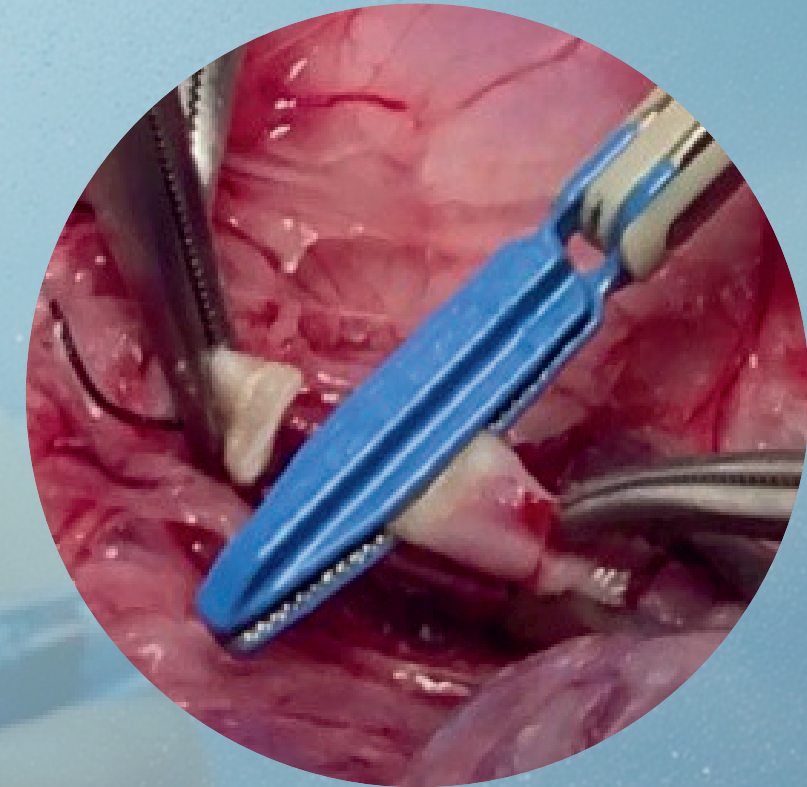
This enables controlled sealing performance, stable results, and reproducible outcomes across different tissue types.

Clinical advantages

- **Controlled bipolar energy delivery for consistent vessel sealing**
- **Automatic impedance monitoring for adaptive power regulation**
- **Reduced thermal spread, supporting tissue preservation and patient safety**

The MAX Plus supports secure vessel sealing while contributing to efficient workflow and enhanced safety in the operating theatre.

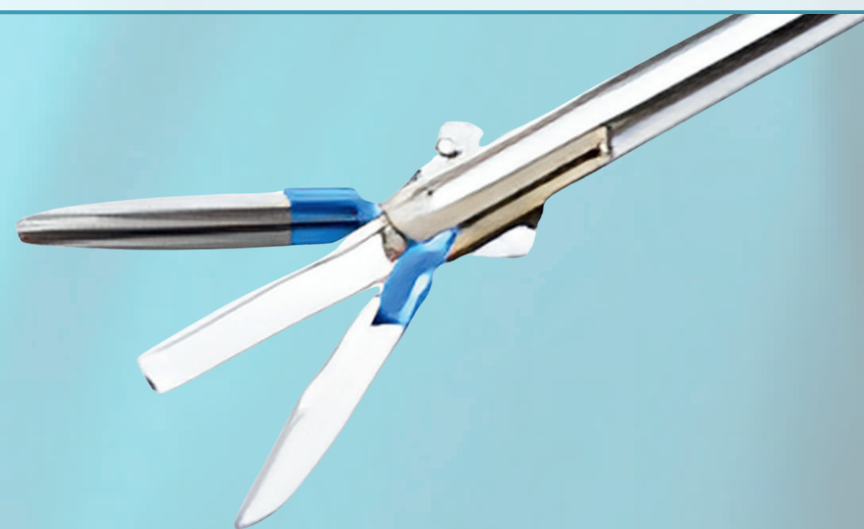
**Electrosurgical Unit
MAX Plus**



Vi-Sealer

Reusable bipolar instrument for vessel sealing

- The Vi-Sealer is a reusable bipolar instrument designed for effective vessel sealing in both open and laparoscopic procedures.
- Its ergonomic design and precise jaw alignment support controlled tissue compression and consistent sealing performance when used with the MAX Series Plus Electrosurgical Unit.
- When integrated with the MAX Plus system, energy delivery is precisely regulated to support reliable vessel sealing with controlled thermal spread.
- The Vi-Sealer is suitable for routine surgical use where reproducible sealing performance and operational reliability are required.



STRAIGHT MODELS:

Model No.: VS01-01R — Length: 34 cm

Model No.: VS01-02R — Length: 25 cm

MARYLAND MODELS:

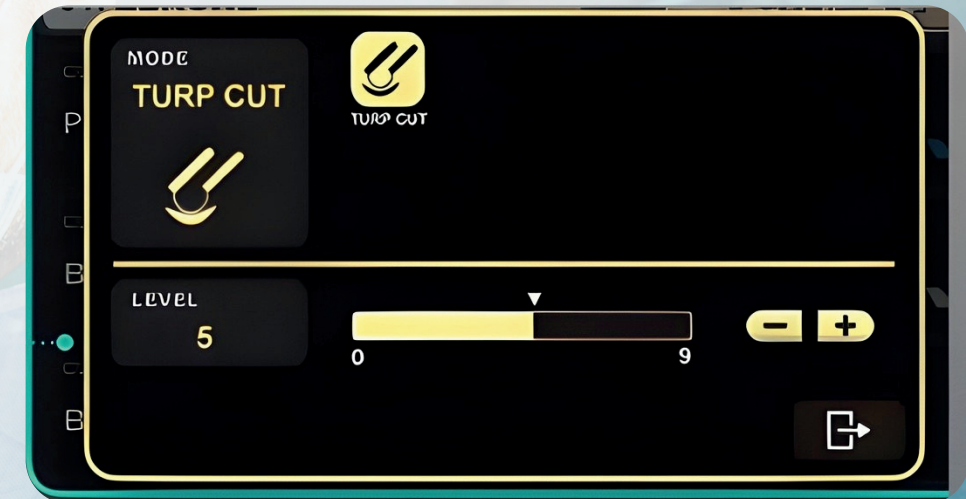
Model No.: VS02-01R — Length: 34 cm

Model No.: VS02-02R — Length: 25 c5m

TURP

Controlled cutting and coagulation for urological procedures

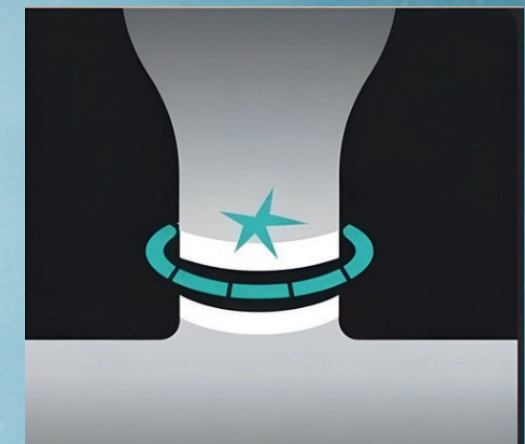
- Transurethral Resection of the Prostate (TURP) is a standard urological procedure used to treat benign prostatic hyperplasia (BPH).
- When used with the IG Medical MAX Series Plus, TURP procedures are supported by stable monopolar and bipolar cutting modes, providing controlled tissue resection within a saline or non-saline irrigation environment.
- The system supports precise power regulation and consistent output, enabling effective tissue cutting and coagulation during urological interventions while maintaining predictable performance.



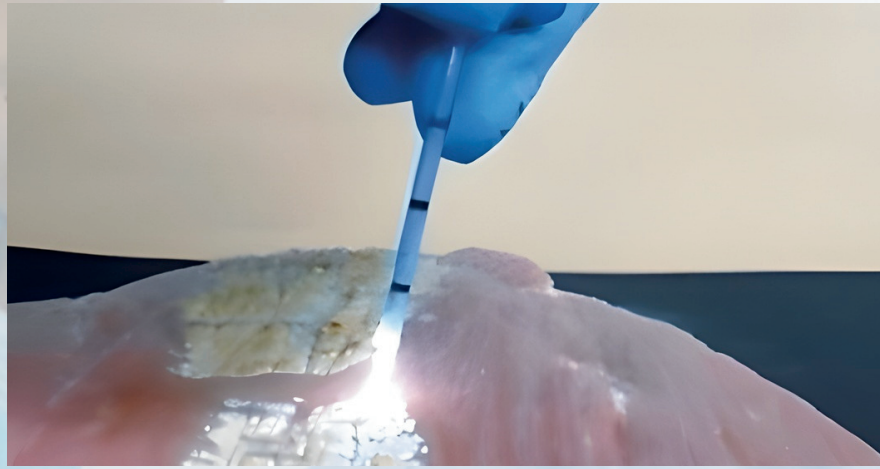
ENDO CUT : POLYPECTOMY

Alternating cutting and coagulation for controlled tissue resection

- ENDO CUT mode provides an alternating sequence of cutting and coagulation cycles, supporting controlled tissue dissection while minimizing bleeding.
- This mode is particularly suitable for endoscopic procedures such as polypectomy, where accurate cutting depth and coagulation control are required.



Argon Plasma Coagulation (APC) (Optional)



- When used in combination with an Argon Plasma Coagulator, the MAX Series Plus supports non-contact coagulation through ionized argon gas.
- This enables uniform superficial coagulation with controlled penetration depth and limited thermal spread.
- APC is commonly applied in endoscopic hemostasis and surface coagulation procedures where precise energy application and tissue preservation are required.

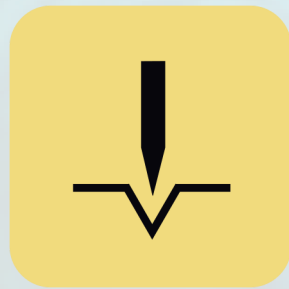
WHY IG MAX PLUS



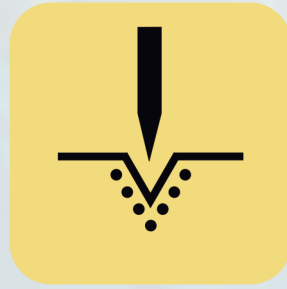
Key Features

- Efficient performance at lower power levels through advanced tissue impedance regulation
- Vessel sealing function compatible with Vi-Sealer bipolar instruments
- TURP, cutting, and coagulation modes suitable for saline and non-saline procedures
- Alternating monopolar activation modes supporting procedural flexibility
- Argon Plasma Coagulation (APC) ready, compatible with ARGON-Z Argon Plasma Coagulator
- High-resolution color touchscreen for clear visualization
- Simple and intuitive user interface for easy operation
- Microprocessor-controlled system ensuring stable and reliable performance
- Enhanced patient safety with Return Electrode Monitoring (REM) system
- Memory presets for frequently used configurations
- Standard accessories included, ready for immediate use

MONOPOLAR



Pure Cut
400W/500Ω



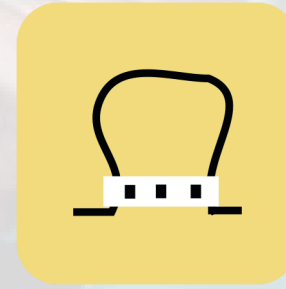
Blend1 250W/400Ω



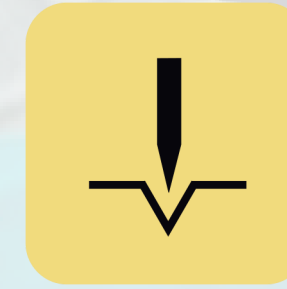
Blend2 200W/400Ω



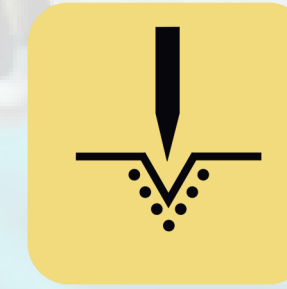
Blend3 150W/400Ω



Polypectomy
Level 4



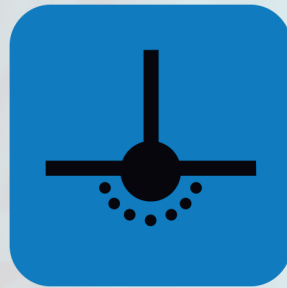
Bipolar Cut
120W/500Ω



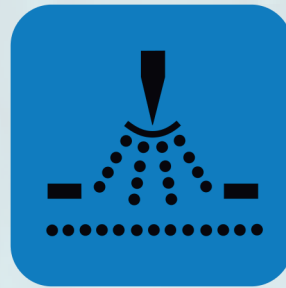
Bipolar blend
100W/500Ω



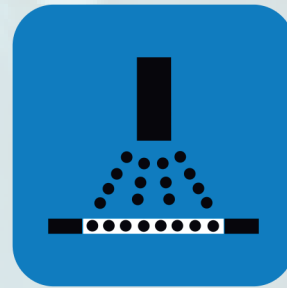
Soft Coagulation
100W/50Ω



Contact Coagulation
120W/300Ω



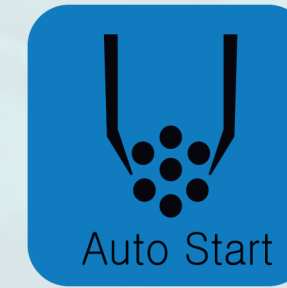
Spray Coagulation
100W/500Ω



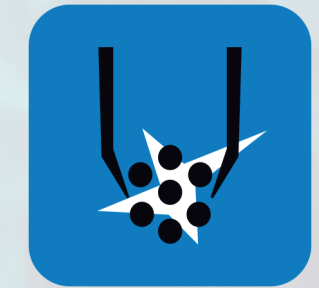
Argon Coag
100W/500Ω



Standard
100 W/100 Ω



Auto Start
100 W/100 Ω



Forced 80W/100Ω

T.U.R.P. Mode (Bipolar)

Parameter	Specification
Max. Output Power (Cut)	200 W / 500 Ω
Max. Output Power	200 W / 50 Ω
Rated Frequency	500 kHz

Vessel Sealing Mode

Parameter	Specification
Mode	Bipolar Coagulation
Max. Output Power	200 W / 50 Ω
Rated Frequency	500 kHz

Endo Cut Mode (Polypectomy)

Parameter	Specification	
Max. Output Power (Cut Phase)	350 W / 500 Ω	
Max. Output Power (Coagulation Phase)	100 W / 50 Ω	
Rated Frequency	350 kHz	
Papillotomy	150 W / 200 Ω	400 kHz
Polypectomy	150 W / 200 Ω	400 kHz
Soft Coagulation	80 W / 100 Ω	400 kHz



IG Medical is a German manufacturer of high-quality medical equipment based in Bremen. From here, we design and manufacture advanced solutions for operating rooms and intensive care units with Hanseatic diligence and technical precision. Our long-standing expertise in medical technology ensures reliable performance and adaptability to the evolving needs of healthcare systems worldwide.

Guided by German quality and safety standards, we are ISO 13485-certified, compliant with the EU MDR 2017/745, and all our products carry the CE marking, a testament to the highest levels of quality, safety, and efficiency.

Sectors of our enterprise

Operation Room and ICU Equipment

IG Medical ist ein deutscher Hersteller hochwertiger Medizintechnik mit Sitz in Bremen. Von hier aus entwickeln und fertigen wir mit hanseatischer Sorgfalt und technischer Präzision fortschrittliche Lösungen für Operationsäle und Intensivstationen. Unsere langjährige Erfahrung in der Medizintechnik garantiert zuverlässige Leistung und die Anpassung an die wachsenden Anforderungen des Gesundheitswesens weltweit.

Geleitet von deutschen Qualitäts- und Sicherheitsstandards sind wir nach ISO 13485 zertifiziert, konform mit der EU-MDR 2017/745, und alle unsere Produkte tragen die CE-Kennzeichnung – ein Beleg für höchste Qualität, Sicherheit und Effizienz.

Bereiche unseres Unternehmens

OP-Raum und Intensivstation



International group medical technology and electronics GmbH
 Schongauer Str. 5, 28219 Bremen, Germany
 info@ig-medical.de
 www.ig-medical.de

☎ +49 1590 6403456
 ☎ +49 421 8478 8804



Innovation for the Future