

Electrosurgery

80 max. Watt
ARGON
6.0 l/min

30 max. Watt
ARGON
1.0 l/min

50 max. Watt
ARGON Beam
3.0 l/min

G2
Intensität



Rigid and flexible probes

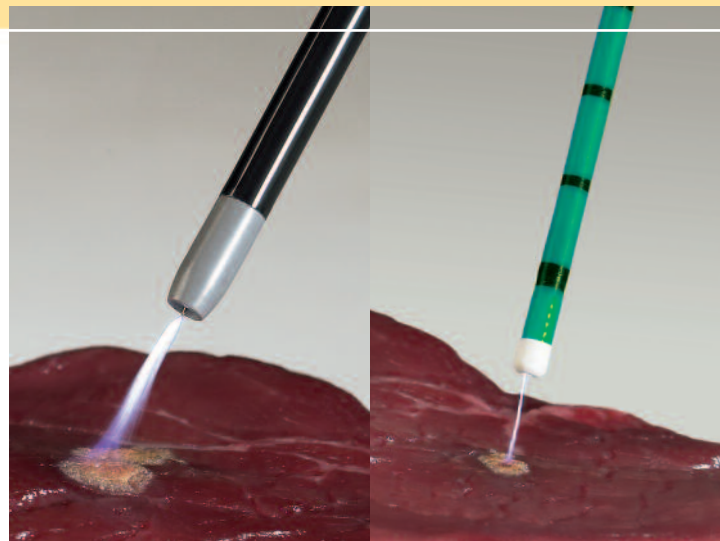
for open and endoscopic argon surgery

Rigid and flexible probes for open and endoscopic argon surgery



Argon-supported HF surgery has been offering advantages for surface coagulation for more than ten years. The application fields of argon-supported HF surgery include:

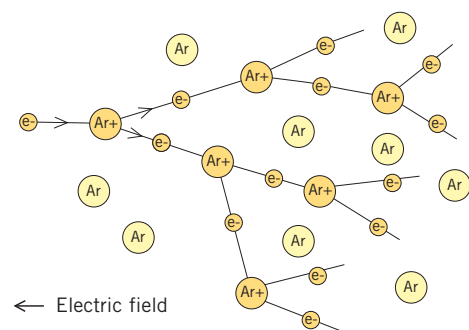
- open surgery
- laparoscopic surgery
- pneumology
- gastroenterology



Working principle:

By ionizing the argon gas atmosphere using HF current (high-voltage spray coagulation current), electrically conductive argon plasma is generated.

Electrodes of different shape and length are available to users, thus providing for cutting as well as large-area coagulation.

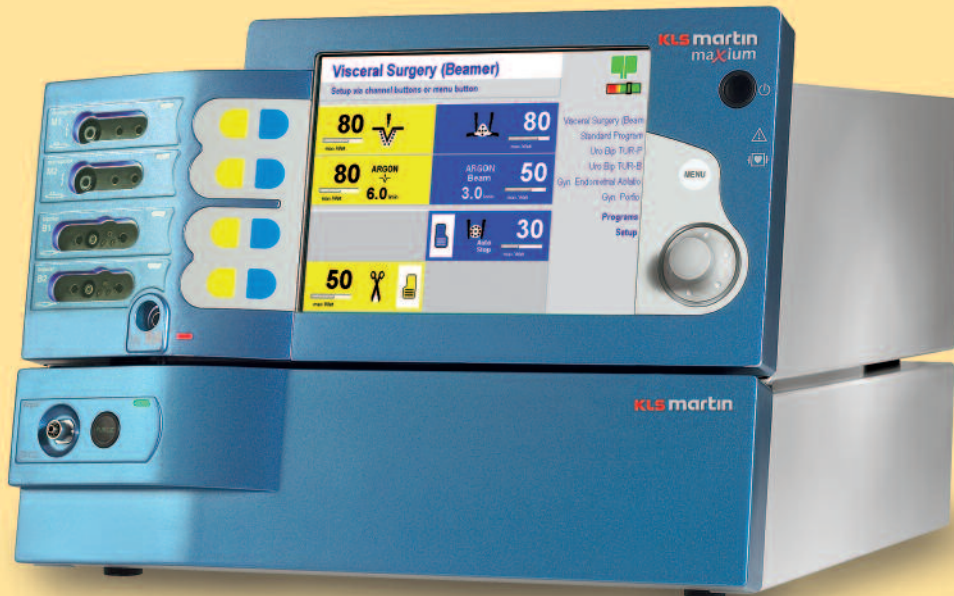




Advantages of argon surgery:

- Reliable coagulation with minimal traumatization of the tissue or organ
- Low blood loss and shortened operating times
- Minimal vaporization at a very low penetration depth (0.5 to max. 3 mm), therefore significantly reduced perforation risk
- No carbonization, therefore faster wound healing
- Significantly reduced smoke development, improved view of the surgical site
- Non-contact method – no tissue sticking to electrode
- Less bronchial and pleural fistula formation on lung parenchyma

Application examples



Argon Cut



Argon Beam



Argon Endo



Pulsed Argon
Slow Rep.



Pulsed Argon
Fast Rep.

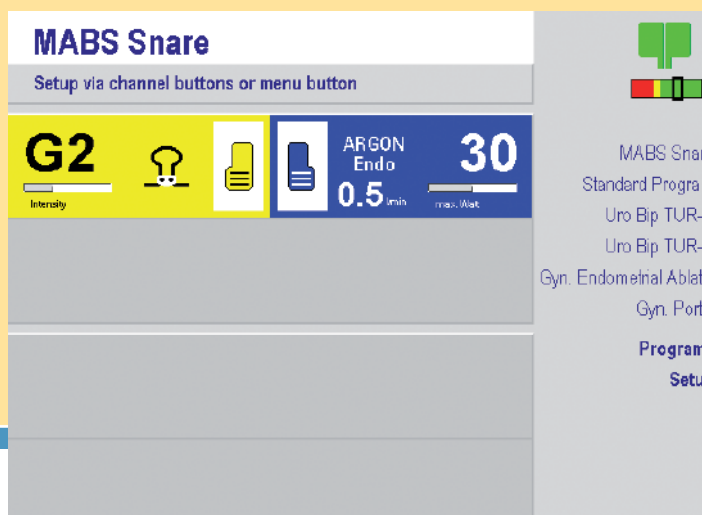
Open surgery examples:

- General surgery - Partial liver resection, colon resection
- ENT - Tonsillectomy
- Cardiac/thoracic surgery - Median sternotomy
- Emergency surgery - Large-surface hemostasis during skin grafting procedures
- Plastic surgery - Mammary reduction

Endoscopic surgery examples:

- Gastroenterology - Gastric ulcer
- Esophagus
- Angiodysplasias
- Hemostasis of diffuse bleeding
- Conditioning prior to fistula sealing
- Hemostasis after polypectomy
- Gynecology - Hemostasis after myomectomy
- Laparoscopy - Hemostasis after cholecystectomy
- Pneumology - Coagulation of superficial hemorrhages
- Coagulation in trachea, primary/secondary bronchi

MABS Snare probes – the two-in-one solution



Argon Endo



Pulsed Argon
Slow Rep.



Pulsed Argon
Fast Rep.



Polyp I



Polyp II



MABS Snare probes are combination probes allowing you to remove polyps with subsequent argon coagulation of the site.

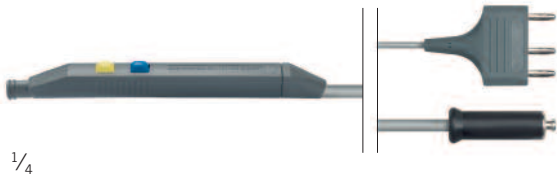
The great advantage of these probes: you don't need to exchange instruments for performing the coagulation in a second step. Following ablation, you just pull the snare back into the instrument to use the probe as a "normal" MABS beam probe. Moreover, the probe can be conveniently used in this way for coagulating/vaporizing minor polyps.

Why coagulation following polypectomy? The answer is that additional coagulation cuts the recurrence rate.

Application accessories for the MABS system, rigid

Rigid MABS electrodes have the following features in common:

- insulated, rigid shaft with a diameter of 5 mm
- distal ceramic nozzle
- autoclavable at 134°C (273°F)



80-181-02-04

MABS handle for rigid applicators
Two pushbuttons for coagulation and cutting
Connecting cable, 4.5 m/15 ft., for HF current and argon gas
Autoclavable at 134°C (273°F)



80-181-08-04

MABS needle electrode, axially adjustable



80-181-05-04

Fixing cap, suitable for all rigid electrodes



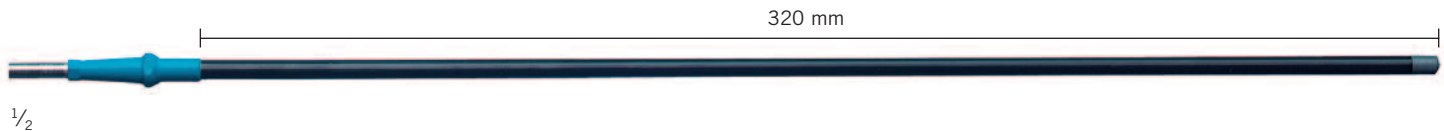
80-181-10-04

MABS beam electrode for open surgery,
with high-temperature-proof ignition tip



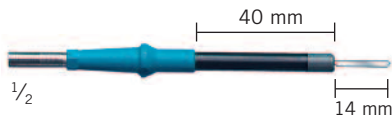
80-181-11-04

MABS beam electrode for open surgery,
with high-temperature-proof ignition tip



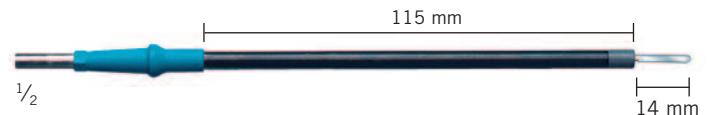
80-181-12-04

MABS beam electrode for laparoscopy and pelviscopy, with high-temperature-proof ignition tip and fixing cap



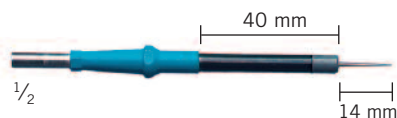
80-181-13-04

MABS lancet electrode for open surgery



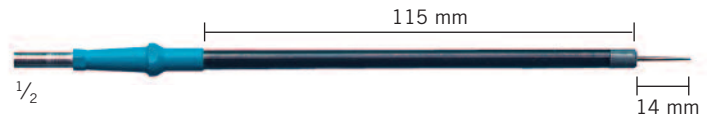
80-181-14-04

MABS lancet electrode for open surgery



80-181-15-04

MABS needle electrode for open surgery



80-181-16-04

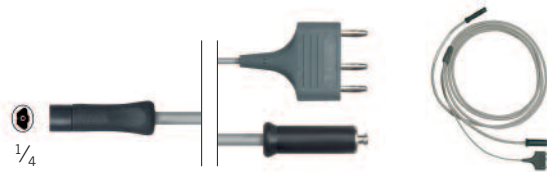
MABS needle electrode for open surgery

Flexible MABS electrodes have the following features in common:

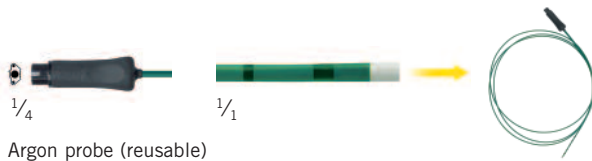
- distal ceramic nozzle
- scaled probe end
- autoclavable at 134°C / 273°F (only reusable probes)
- reduced gas consumption (50% less than previous models)



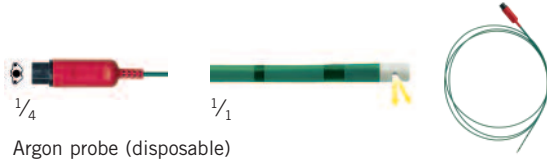
80-181-31-04
MABS rinsing adapter for reusable argon probes



80-181-30-04
MABS connecting cable for flexible probes (disposable and reusable), cable length 2.5 m, for HF current and argon gas, HF-current and gas-flow activation via foot switch, autoclavable at 134°C / 273°F (only reusable probes)

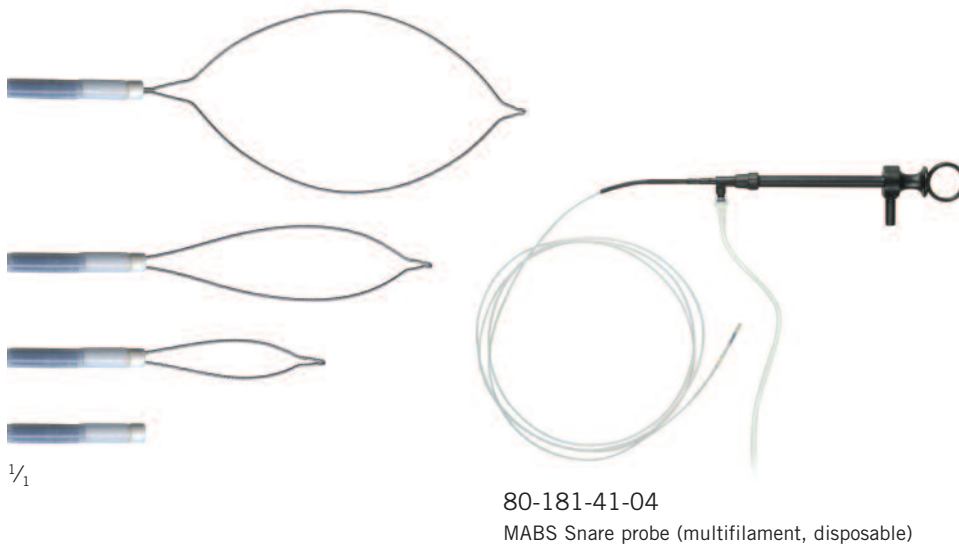


Argon probe (reusable)



Argon probe (disposable)

| MABS Probes | | | | | |
|--------------|--------------------------------------------|--|----------|--------|----------------|
| Item No. | Designation | | Diameter | Length | Item(s)/Pack |
| 80-181-30-04 | MABS connecting cable, 3 m – PIN connector | | | | 1 |
| 80-181-23-04 | MABS GIT probe, reusable | | 2.3 mm | 2.3 m | 1 |
| 80-181-24-04 | MABS GIT probe, reusable | | 3.2 mm | 2.3 m | 1 |
| 80-181-25-04 | MABS TBS probe, disposable | | 1.5 mm | 1.6 m | 10 |
| 80-181-26-04 | MABS GIT probe, disposable | | 1.8 mm | 3.2 m | 10 |
| 80-181-27-04 | MABS GIT probe, disposable | | 2.3 mm | 2.3 m | 10 |
| 80-181-28-04 | MABS GIT probe, disposable | | 3.2 mm | 2.3 m | 10 |
| 80-181-29-04 | MABS GIT probe, disposable | | 2.3 mm | 3.4 m | 10 |
| 80-181-32-04 | MABS GIT probe, Side Fire, disposable | | 2.3 mm | 2.3 m | 10 NEW! |



80-181-41-04
MABS Snare probe (multifilament, disposable)



80-289-40-04
4 m/12 ft.
Monopolar connecting cable for KLS Martin HF units



80-289-41-04
4 m/12 ft.
Monopolar connecting cable for HF units with 3-pin connectors



80-289-42-04
4 m/12 ft.
Monopolar connecting cable for maxium® "e" version and Erbe ICC/ACC/VIO units

NEW!

| MABS Snare Probes | | | | | |
|-------------------|----------------|------------------------------|--------|--------|------------|
| Item No. | Designation | | Ø | Length | Items/Pack |
| 80-181-40-04 | MABS TBS Snare | 15 mm, multifil., disposable | 2.5 mm | 1.6 m | 5 |
| 80-181-41-04 | MABS GIT Snare | 15 mm, multifil., disposable | 2.5 mm | 2.3 m | 5 |
| 80-181-42-04 | MABS GIT Snare | 30 mm, multifil., disposable | 2.5 mm | 2.3 m | 5 |
| 80-181-43-04 | MABS GIT Snare | 15 mm, monofil., disposable | 2.5 mm | 2.3 m | 5 |
| 80-181-44-04 | MABS GIT Snare | 30 mm, monofil., disposable | 2.5 mm | 2.3 m | 5 |

KLS Martin Group

Karl Leibinger GmbH & Co. KG

78570 Mühlheim · Germany
Tel. +49 7463 838-0
info@klsmartin.com

KLS Martin GmbH + Co. KG

79224 Umkirch · Germany
Tel. +49 7665 9802-0
info@klsmartin.com

Stuckenbrock Medizintechnik GmbH

78532 Tuttlingen · Germany
Tel. +49 7461 165880
verwaltung@stuckenbrock.de

Rudolf Buck GmbH

78570 Mühlheim · Germany
Tel. +49 7463 99516-30
info@klsmartin.com

KLS Martin France SARL

68000 Colmar · France
Tel. +33 3 8921 6601
france@klsmartin.com

Martin Italia S.r.l.

20059 Vimercate (MB) · Italy
Tel. +39 039 605 6731
italia@klsmartin.com

Nippon Martin K.K.

Osaka 541-0046 · Japan
Tel. +81 6 62289075
nippon@klsmartin.com

Martin Nederland/Marned B.V.

1270 AG Huizen · The Netherlands
Tel. +31 35 523 4538
nederland@klsmartin.com

KLS Martin L.P.

Jacksonville, FL 32246 · USA
Tel. +1 904 641 7746
usa@klsmartin.com

Orthosurgical Implants Inc.

Miami, FL 33186 · USA
Tel. +1 877 969 4545
sales@orthosurgical.com

Gebrüder Martin GmbH & Co. KG

Representative Office · Russia
121471 Moscow
Tel. +7 (499) 792-76-19
russia@klsmartin.com

Gebrüder Martin GmbH & Co. KG

A company of the KLS Martin Group

Ludwigstaler Str. 132 · 78532 Tuttlingen · Germany
Postfach 60 · 78501 Tuttlingen · Germany
Tel. +49 7461 706-0 · Fax +49 7461 706-193
info@klsmartin.com · www.klsmartin.com