



marSeal5 plus
Maryland

Outstanding dissection and sealing performance
guarantees ultimate efficiency for your patients!

marSeal5 plus

Maryland



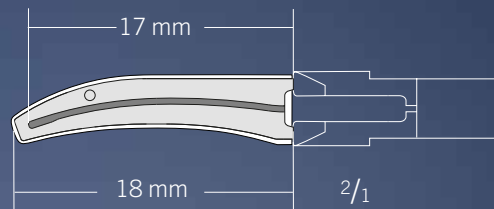
Did we make you curious?



- Curved jaw, Maryland shaped
- Enhanced tissue preparation capabilities
- Outstanding and reliable sealing performance
- Finest dissection and minimal lateral spread

Special jaw geometry
for preparation and sealing

- Sealing length: 18 mm
- Cutting length: 17 mm



- Multifunctional instrument
- Highest precision; excellent preparation and dissection capabilities (e.g. spreading for cold preparation due to specially designed jaw pattern)
- Superior procedural efficiency
- Continuous impedance controlled sealing process
- Sealing of vessels up to \varnothing 7 mm

marSeal5 plus Maryland

Multifunctionality meets reusability and cost-efficiency.
Patients experience more efficient procedures!



Application examples

General Surgery

- Sigmoidectomy
- Colectomy
- Hemicolectomy
- Adhesiolysis
- Rectum



Gynaecology

- Hysterectomy
(LASH, TLH, LAVH)
- Wertheim
- Salpingectomy
- Ovariectomy
- Lymphadenectomy



- ✓ Reliable
- ✓ Efficient
- ✓ Reusable



45 cm for obese patients

37 cm for standard laparoscopic operations

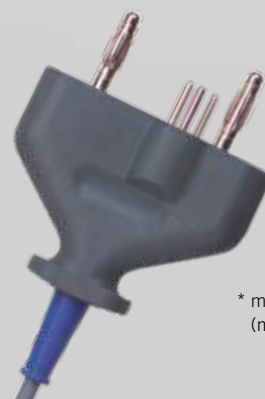
23 cm for open surgery



Advantages

- Vessel sealing with subsequent tissue dissection without instrument change
- Curved jaw according to the anatomical conditions (e.g . curvature of uterus, stomach, colon, etc.)
- Non-traumatic grasping device for blunt dissection
- Excellent visibility to the surgical field, simple exposure of vessels

IQ connector (Plug & Play) for automatic instrument identification at the maXium® generator *.



* maXium® software requirement (minimum 3.423 or higher)

Go Green

For our environment. For our future.
For a world worth living in.

marSeal – sealing and cut without changing the instrument and with a minimum of disposables!

It was a question of conviction, to develop these reusable instruments for the bipolar sealing of vessels. KLS Martin has succeeded in offering an alternative to the use of one-way instruments with the marSeal instruments.

By using marSeal, far less special waste is created, which needs to be disposed of at high cost and harms the environment. The marSeal instruments require a minimum amount of one-way materials. Only blades or blade holders are disposable products.

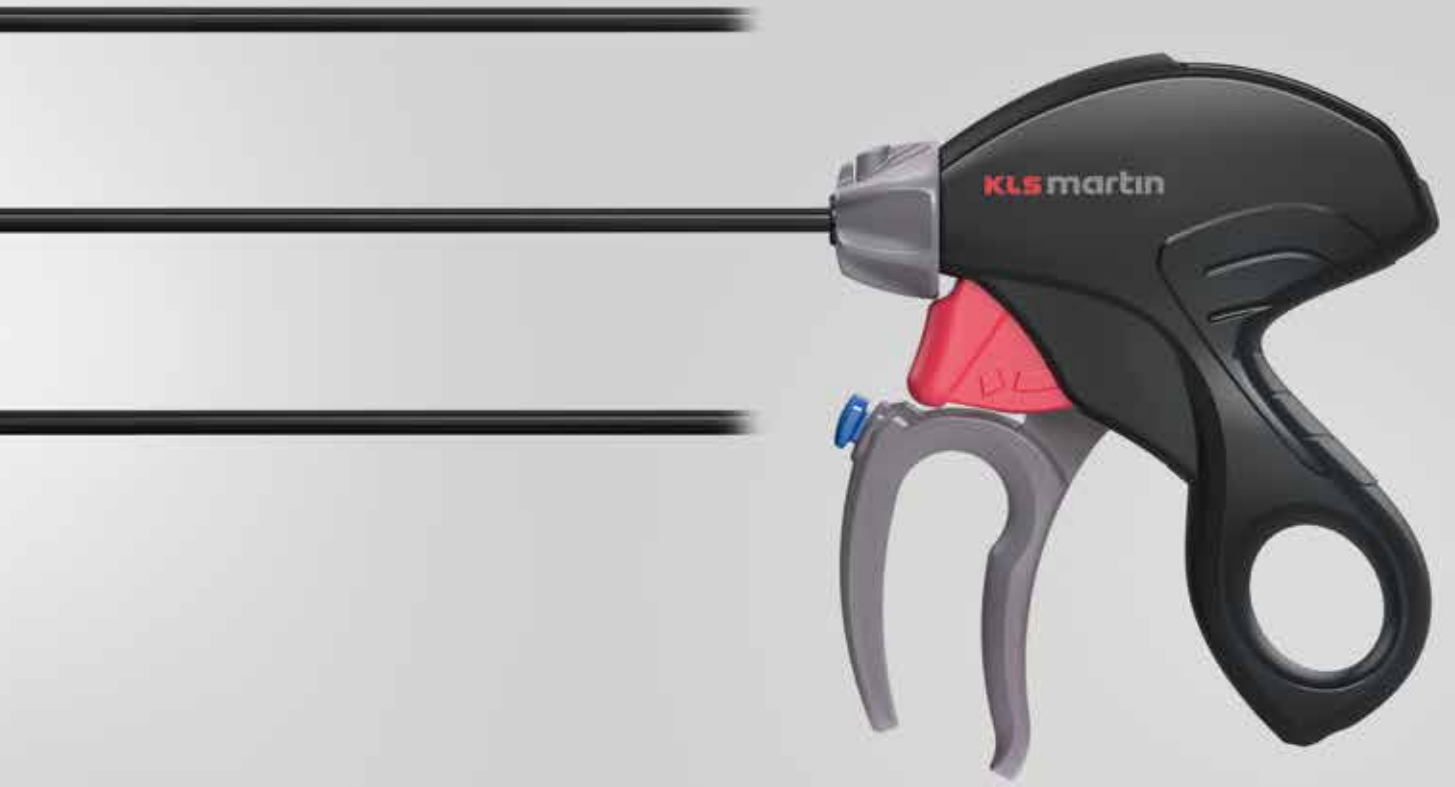
In comparison: 50 blade holders for the marSeal create 0.5 kg of waste. 50 one-way products create nearly 15 kg of waste. Moreover the marSeal instruments also contribute significantly to save costs!

In addition to the economic benefits, the instrument also has many medical benefits. The combination of instrument and special sealing current allows for a shorter operating time, less blood loss and thus less physical strain for the patient.

Item numbers of marSeal5 plus Maryland at a glance

Article number	Designation
Complete instrument	
80-633-01-04	marSeal5 plus Maryland, complete, consisting of handle, tubular shaft Ø 5 mm, shaft length 450 mm, including cleaning tool and flushing adapter, without blade holder*
80-633-02-04	marSeal5 plus Maryland, complete, consisting of handle, tubular shaft Ø 5 mm, shaft length 370 mm, including cleaning tool and flushing adapter, without blade holder*
80-633-03-04	marSeal5 plus Maryland, complete, consisting of handle, tubular shaft Ø 5 mm, shaft length 230 mm, including cleaning tool and flushing adapter, without blade holder*
Individual components	
80-633-04-04	Handle marSeal5 plus
80-633-06-04	Tubular shaft marSeal5 plus Maryland, Ø 5 mm, shaft length 450 mm, consisting of outer and inner shaft, including cleaning tool, without blade holder*
80-633-07-04	Tubular shaft marSeal5 plus Maryland, Ø 5 mm, shaft length 370 mm, consisting of outer and inner shaft, including cleaning tool, without blade holder*
80-633-08-04	Tubular shaft marSeal5 plus Maryland, Ø 5 mm, shaft length 230 mm, consisting of outer and inner shaft, including cleaning tool, without blade holder*
Consumables	
80-633-10-04	Blade holder for marSeal5 plus, 230 mm, sterile, sales unit = 10 pieces
80-633-14-04	Blade holder for marSeal5 plus, 230 mm, non-sterile, sales unit = 10 pieces
80-633-09-04	Blade holder for marSeal5 plus, 370 mm, sterile, sales unit = 10 pieces
80-633-11-04	Blade holder for marSeal5 plus, 370 mm, non-sterile, sales unit = 10 pieces
80-633-15-04	Blade holder for marSeal5 plus, 450 mm, sterile, sales unit = 10 pieces
80-633-16-04	Blade holder for marSeal5 plus, 450 mm, non-sterile, sales unit = 10 pieces
Cleaning and reprocessing tools	
80-633-12-04	Cleaning tool for marSeal5 plus
80-633-13-04	Rinsing adapter for marSeal5 plus

* Blades have to be ordered separately.



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about the KLS Martin Energy Devices?

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