



ENERTECH

Vessel Sealing Systems

MaxSeal

Enertech's vessel sealing systems give you something no other electro surgical tool can - permanent vessels occlusion. This revolutionary technology replaces almost all other hemostatic tools because it doesn't just ligate vessels, it actually fuses vessel walls to create a permanent seal.



Maxseal

Across the range, Enertech Vessel Sealing technology delivers a unique combination of pressure and energy to create a consistent seal with each application :-

- Shorter operating time - save almost upto 75% operating time.
- Permanently fuses vessels upto and including 7 mm diameter and tissue bundles without dessication or isolation.
- Faster and safer patient recovery.
- Seals withstand 3 times normal systolic blood pressure.
- Uses bodies own collagen, no requirement to insert foreign material into patient body which can cause complications.
- Feedback controlled response system automatically discontinues energy delivery when the seal is complete, eliminating the guess work.

Each of the devices comprises with high power and low voltage bipolar mode and specialist instruments that combine tissue compression with tissue heating to produce hemostasis in veins or a bundle of tissue.

The Product is delivered through a variety of Instruments for use in both Laparoscopic and open procedures in a range of surgical specialties, including gynecological, colorectal, urology and general surgery.



Performance Features :-

➤ Patient plate conductivity monitoring system (PP - CMS) :

The advanced monitoring system gives a Real Time indication of the quality of the conductivity via the patient plate. There are 3 indicators. H = High contact and good conductivity. M = Medium Contact and medium conductivity. L = Low contact and poor conductivity. This Feature enables the monitoring of contact quality and hence significantly reduces the chances of plate failure resulting in burns

➤ Accessories contact detection during plug in and operation :

Accessories are detected during plug in and indicator for the footswitch turns red with words "FS" indicating that the same are ready for operation. During Press mode the indicator turns green showing which mode has been activated, reducing chances of wrong mode operation.

➤ Multiple modes for superior functionality :

Multiple Modes - 2 Cut modes, 5 Blend modes, 3 EndoCut modes, 2 Spray modes, 2 Fulgurate modes, 1 Dessicate mode, 1 Bi-Cut mode, 2 Bi-coag mode and 1 Seal mode for all types of procedures and all types of desired settings for superior performance.

➤ 100 Programs memory :

100 programs memory to save all desired settings for all different cases. Recall on program selection.

Technical Specification

Monopolar Mode :

Mode	Max. Power Watt	Rated Load (Ohms)	Program	Operating Frequency
Pure Cut	400 W	500	100	480 khz
Precise Cut	300 W	500	100	480 khz
Blend 1	250 W	500	100	480 khz
Blend 2	225 W	500	100	480 khz
Blend 3	200 W	500	100	480 khz
Blend 4	175 W	500	100	480 khz
Blend 5	150 W	500	100	480 khz
Endo Cut 1	150 W	500	100	480 khz
Endo Cut 2	100 W	500	100	480 khz
Endo Cut 3	75 W	500	100	480 khz

Mode	Max. Power Watt	Rated Load (Ohms)	Program	Operating Frequency
Coarse Spray	120 W	500	100	480 khz
Fine Spray	100 W	500	100	480 khz
Coarse Fulgurate	150 W	500	100	480 khz
Fine Fulgurate	150 W	500	100	480 khz
Dessicate	150 W	500	100	480 khz

Bipolar Mode :

Mode	Max. Power Watt	Rated Load (Ohms)	Program	Operating Frequency
Bi - Cut	120 W	500	100	480 khz
Macro	120 W	500	100	480 khz
Micro	80 W	500	100	480 khz

Sealer Mode :

Mode	Max. Power Watt	Max. Short Circuit Current	Peak to Peak Voltage	Operating Frequency	Crest Factor
Seal	150 W	4.4 Amps	700 (350)	480 khz	1.5

Standard Accessories

Monopolar Double Pedal Footswitch / Bipolar & Seal Double Pedal Footswitch



Patient Plate With Cable Cord Autoclavable



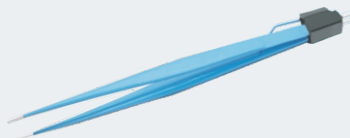
Silicon Patient Plate (Optional)



Chuk Handle With Electrode Autoclavable



Bipolar Forcep Autoclavable With Cable

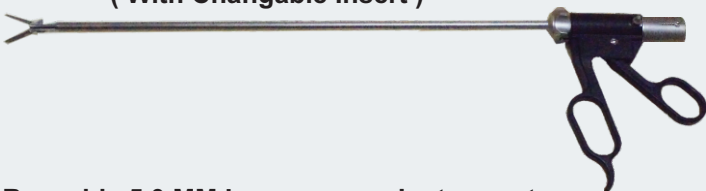


Disposable Hand Switch Pencil Imported

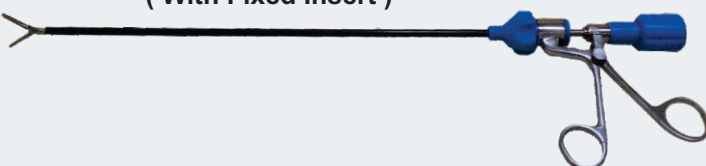


Sealer Accessories :-

Reusable 5.5 MM Laparoscopy Instrument (With Changable Insert)



Reusable 5.0 MM Laparoscopy Instrument (With Fixed Insert)



Reusable Biclamp for Open Surgery





Maxseal

CUT

Pure Cut	- 400 W
Precise Cut	- 300 W
Blend 1	- 250 W
Blend 2	- 225 W
Blend 3	- 200 W
Blend 4	- 175 W
Blend 5	- 150 W
Endo Cut 1	- 150 W
Endo Cut 2	- 100 W
Endo Cut 3	- 75 W

COAG

Coarse Spray	- 120 W
Fine Spray	- 100 W
Coarse Fulgurate	- 150 W
Fine Fulgurate	- 150 W
Dessicate	- 150 W

BIPOLAR

Bi-Cut	- 120 W
Macro	- 120 W
Micro	- 80 W

100 Programs
Memory

SEAL

Seal - 150 W



Monopolar
Handswitches
Output

Active
Monopolar
Output

Seal Output

Bipolar Output

Patient Plate
Input