



Cresta Touch Series

Monopolar | Bipolar | Saline Bipolar | Vessel Sealer

Complete RF Energy Generator Platform Product Brochure

CRESTA TOUCH

Cresta Touch Screen is a next-generation surgical energy platform designed for precision, safety and user-friendly operation. The advanced capacitive touch interface allows surgeons to easily select modes, adjust power levels, and monitor performance in real time during critical procedures.

Versatile and compatible with universal accessories, our touch screen ESU is suitable for general surgery, laparoscopy, gynecology, urology, and specialized procedures, making it a reliable choice for modern operating rooms.



Key Features



Consistent Tissue Effect

450 kHz Frequency and High PER ensure stable and predictable cutting and coagulation on across tissue types. High PER minimizes energy loss, providing smooth, precise surgical outcomes with minimal thermal spread.

Clean incisions, reduced collateral damage.



ReSaliX

Enhances surgical efficiency by reducing dependency on instrument adjustment and manual compensation and energy delivery starts only when the electrode is correctly positioned in saline.

Stable Output for Precision Tissue Cutting.



RF Bipolar Cut

Delivers smooth, precise tissue incision with controlled energy and minimal thermal spread for superior surgical outcomes.

Stable Output for Precision Tissue Cutting.



ContactIQ

Continuously monitors the patient return electrode contact to ensure safe energy delivery. Prevents burns or unsafe operation by adjusting output in real-time, Protects both patient and surgeon during complex procedures.

Maximum patient safety, every moment.



SureBind

Seals vessels up to 7 mm with minimal thermal spread and automatically stops energy delivery upon completion of Vessel sealing, reduces intra-operative blood loss and improves surgical efficiency.

Secure, reproducible haemostasis



SafeZ

Continuously monitors tissue impedance in real time. Dynamically adjusts output within microsecond, maintains consistent tissue effects.

Where tissue feedback defines energy delivery



Key Features



TURiCUT

Enables safe and effective monopolar cutting under water, ensuring clear visibility, consistent performance, and confident surgical control

Power Meets Precision in Every Resection.



Auto Diagnostic & System Reliability

State-of-the-Art High-performance ARM32 Microcontroller (Sampling Rate >10,000/sec) ensures rapid sensing, precise energy delivery, and robust system reliability with continuous real-time monitoring.

Trusted performance for every surgery.



Intuitive Surgeon Interface

IPS Capacitive 7" Touch Screen Display High resolution, responsive, wide-angle display with clear mode and power indicators. Programmable presets allow surgeons to recall settings quickly for repeated procedures.

Reduces setup me, improves intraoperative efficiency.



Program Manager

Easily save surgeon names with personalised settings – enabling quick recall for consistent performance and efficient workflow in every procedure.

Save. Recall. Perform - Precision Made Personal.



Warning

Displays real-time warnings and alarms on the LCD with audible alert.

Smart alert system for uninterrupted surgical performance.



Self-Diagnosis

Enables the device to perform self-checks for system errors.

Smart safety begins with self-check.



Dual-Mode Operation & Independent Activation

Enables two surgeons to coagulate simultaneously with independent hand switch control.

Optimizes teamwork and workflow in multi-surgeon scenarios.

Cresta BT



- One Monopolar
- One Bipolar

Cresta B+T



- Two Monopolar
- One Bipolar

Cresta IsT/ IcT



- One Monopolar
- One Bipolar
- Vessel Sealer

*Outputs are available in Split port & Common port configuration for Bipolar & Vessel Sealer

Cresta I+sT



- Two Monopolar
- One Bipolar
- Vessel Sealer

Cresta UT



- One Monopolar
- One Bipolar
- Saline Bipolar

Cresta LT



- One Bipolar
- Vessel Sealer

Cresta L2T



- One Bipolar
- Vessel Sealer
- Saline Bipolar

Cresta ST



- One Saline Bipolar

Cresta WsT/ WcT



- Two Monopolar
- One Bipolar
- Vessel Sealer
- Saline Bipolar

*Outputs are available in Split port & Common port configuration for Bipolar & Vessel Sealer

SPECIFICATIONS:

Variants		Rated load	Vpk-pk	BT	B+T	IsT	IcT	I+sT	UT
Monopolar mode				1	2	1	1	2	1
Monopolar Cut	Pure cut	500 Ω	3100V	300W	300W	300W	300W	300W	300W
	Blend 1	500 Ω	3300V	250W	250W	250W	250W	250W	250W
	Blend 2	500 Ω	3200V	200W	200W	200W	200W	200W	200W
	Blend 3	500 Ω	3600V	200W	200W	200W	200W	200W	200W
Monopolar Coag	Spray	300 Ω	6000V	80W	80W	80W	80W	80W	80W
	Fulguragte	300 Ω	6600V	120W	120W	120W	120W	120W	120W
	Desiccate 1	500 Ω	3100V	150W	150W	150W	150W	150W	150W
	Desiccate 2	500 Ω	2600V	150W	150W	150W	150W	150W	150W
Bipolar				1	1	1	1	1	1
	Micro	100 Ω	650V	80W	80W	80W	80W	80W	80W
	Macro	100 Ω	750V	80W	80W	80W	80W	80W	80W
	Cut	100 Ω	800V	120W	120W	120W	120W	120W	120W
Vessel Sealer				-	-	1	1	1	-
	L1 - L2	150 Ω	300V	NA	NA	110W	110W	110W	NA
	A1 - A2	150 Ω	350V	NA	NA	130W	130W	130W	NA
	H1- H2	150 Ω	450V	NA	NA	150W	150W	150W	NA
Saline Bipolar				-	-	-	-	-	1
	Cut	L6	100 Ω	1500V	NA	NA	NA	NA	300W
	Coag	L6	100 Ω	950V	NA	NA	NA	NA	250W

SPECIFICATIONS:

Variants		Rated load	Vpk-pk	LT	L2T	ST	WsT	WcT
Monopolar mode				-	-	-	1	2
Monopolar Cut	Pure cut	500 Ω	3100V	NA	NA	NA	300W	300W
	Blend 1	500 Ω	3300V	NA	NA	NA	250W	250W
	Blend 2	500 Ω	3200V	NA	NA	NA	200W	200W
	Blend 3	500 Ω	3600V	NA	NA	NA	200W	200W
Monopolar Coag	Spray	300 Ω	6000V	NA	NA	NA	80W	80W
	Fulguragte	300 Ω	6600V	NA	NA	NA	120W	120W
	Desiccate 1	500 Ω	3100V	NA	NA	NA	150W	150W
	Desiccate 2	500 Ω	2600V	NA	NA	NA	150W	150W
Bipolar				1	1	-	1	1
	Micro	100 Ω	650V	80W	80W	80W	80W	80W
	Macro	100 Ω	750V	80W	80W	80W	80W	80W
	Cut	100 Ω	800V	120W	120W	120W	120W	120W
Vessel Sealer				-	-	-	1	1
	L1 - L2	150 Ω	300V	NA	NA	NA	110W	110W
	A1 - A2	150 Ω	350V	NA	NA	NA	130W	130W
	H1- H2	150 Ω	450V	NA	NA	NA	150W	150W
Saline Bipolar				-	-	-	-	-
	Cut	L6	100 Ω	1500V	300W	300W	300W	300W
	Coag	L6	100 Ω	950V	250W	250W	250W	250W

Weight	<10kg
Dimension (W x D x H) Input	410mm x 160mm x 480mm
Supply voltage & frequency	230V $\pm 10\%$, 50Hz $\pm 5\%$
Operating Parameters	Ambient temperature range: +10°C to 40°C
	Relative Humidity: 15% to 85% non- condensing
	Atmospheric pressure: 700 to 1060 millibars
Transport & Storage	Ambient temperature range: -10°C to +60°C
	Relative Humidity: 15% to 90%
	Atmospheric pressure: 500 to 1060 millibars





ACCESSORIES



**MONOPOLAR DUAL
PADEL FOOTSWITCH**



**BIPOLAR VESSEL
SEALER DUAL PADEL
FOOTSWITCH**



**BIPOLAR SINGLE
PADEL FOOTSWITCH**



**DISPOSABLE
HANDSWITCH PENCIL**



**CHUCK HANDLE WITH
ELECTRODE**



**5 MM SEAL & CUT
INSTRUMENT**



**SILICON RUBBER
PATIENT PLATE**



REM PATIENT PLATE



BICLAMP (7 MM)



RESECTOSCOPE

CRESTA TOUCH SERIES ORDERING INFORMATION

Description	CODE	Description	CODE
Cresta BT	LM90244	Cresta LT	LF90251
Cresta B+T	LF90245	Cresta L2T	LF90252
Cresta IsT	LF90246	Cresta ST	LF90253
Cresta IcT	LF90247	Cresta WsT	LF90254
Cresta I+sT	LF90248	Cresta WcT	LF90255
Cresta UT	LF90250		

ACCESSORIES ORDERING INFORMATION

Description	CODE	Description	CODE
Mains cord	XK69026	REM Patient Plate cord	XK69040
Bipolar cord	XK69028	Biclamp (7 mm)	XK69071
Patient plate cord	XK69029	5 mm Seal & Cut instrument	XK69072
Silicon Rubber Patient Plate	XK69031	Resectoscope	XK69073
Chuck Handle with Electrode	XK69032	Bipolar Maryland Grasper 5 mm instrument (Optional)	XK69101
Disposable Hand switch Pencil	XK69033	Bipolar Cable (Optional)	XK69102
Bipolar Forcep with cord	XK69034	Bipolar Fenestrated Grasper 5 mm instrument (Optional)	XK69103
Monopolar Dual padel Footswitch	XK69036	Sealer Cutter with Blade 5 mm instrument (Optional)	XK69104
Bipolar Vessel Sealer Dual padel Footswitch	XK69037	Sealer Cutter with Blade 10 mm instrument (Optional)	XK69105
Bipolar Single padel Footswitch	XK69038	Sealer Cutter Cable (Optional)	XK69106
Disposable REM Patient Plate	XK69039		





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