

VariCure™ SC300ES

ULTRASONIC SURGICAL & ELECTROSURGICAL SYSTEM



- A System Combining Ultrasonic and Electrosurgical Modules
- Multiple Instruments Available for Surgical Treatments
- High Performance in Tissue Dissection, Hemorrhage Coagulation, and Blood Vessel Sealing
- Ten Working Modes for Different Clinical Needs
- Simple-To-Use Design with Touch Screen

All In One Platform, All With Superior Performance

Ultrasonic Surgical & Electrosurgical System is an energy platform aiming to provide an effective solution to address challenges in tissue dissection and vessel sealing in various laparoscopic and open surgeries.

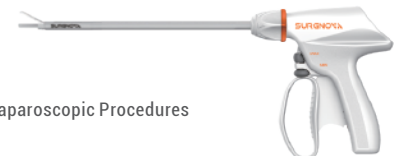
Ultrasonic Surgical & Electrosurgical System – Instruments

The system supports multiple surgical instruments, including Ultrasonic Scalpel, Electrosurgical Pencil, Laparoscopic Electrode and Bipolar Coagulation Forceps.

Ultrasonic Scalpel

Product	Model	Description
Ultrasonic Scalpel	SC 13C+	Ultrasonic Scalpel System-Scalpel, Shaft Length: 13cm
	SC 21C+	Ultrasonic Scalpel System-Scalpel, Shaft Length: 21cm
	SC 35C+	Ultrasonic Scalpel System-Scalpel, Shaft Length: 35cm
	SC 43C+	Ultrasonic Scalpel System-Scalpel, Shaft Length: 43cm

- High Frequency Signal Tracking and Tissue Adaptive Technologies
- Cutting Completion Indicating Tone
- Superior Dissection Speed
- Solid Hemostasis Capability
- Minimal Thermal Damage
- Multiple Scalpel Sizes for Open and Laparoscopic Procedures



Amplitude

Main amplitude at the distal Note and tolerance (unit: μm): no more than 100 μm .
Lateral amplitude at the distal Note: no more than 5 μm .

Excitation Frequency

55.5kHz, tolerance: $\pm 1\text{kHz}$

Electrosurgical Pencil

Product	Model	Description
Electrosurgical Pencil	SCPen	Electrosurgical Pencil Handle
Electrosurgical Electrode	SCPenK0069	Knife shape; Length: 69mm; Thickness: 0.5mm; Width: 2.3mm
	SCPenK0150	Knife shape; Length: 150mm; Thickness: 0.5mm; Width: 2.3mm
	SCPenN0069	Needle shape; Length: 69mm; Diameter of the needle tip: 0.8mm
	SCPenN0150	Needle shape; Length: 150mm; Diameter of the needle tip: 0.8mm
	SCPenB0140-1	Ball shape; Length:140; Diameter of the ball: 5mm
	SCPenB0140-2	Ball shape; Length:140; Diameter of the ball: 3mm



- Quick and Precise Dissection and Vessel Sealing
- Superb Hemostasis Capability
- Minimal Thermal Damage
- Unique Blunt Blade for Smooth Cutting and Precise Incision Control

Output Parameters of Electrosurgica

Mode	Load Resistance	Working frequency	Modulation Frequency	Output Voltage (Vpk)	Output Current	Crest Factor	
Monopolar	Low Pure Cut	300Ω	390kHz	/	600V	1.25A	1.5±0.2
	Pure Cut	300Ω	390kHz	/	1000V	1.25A	1.5±0.2
	Blend	300Ω	390kHz	27KHz	1650V	1A	2.5±0.2
	Desiccate	300Ω	390kHz	39kHz	1250V	1.2A	5±0.5
	Fulgurate	300Ω	390kHz	30kHz	2800V	1A	5.5±0.5
	Spray	300Ω	390kHz	25-50kHz	2350V	1A	5.5±0.5
Bipolar	Precise	100Ω	470kHz	/	250V	1.7A	1.5±0.2
	Standard	100Ω	470kHz	/	180V	1.7A	1.5±0.2
	Macro	100Ω	470kHz	/	400V	1.7A	1.5±0.2

Laparoscopic Electrode

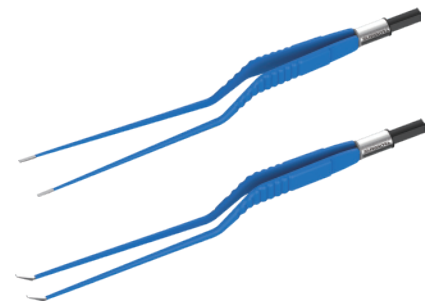
Product	Model	Description
Laparoscopic Electrode	SCHookL0330	L Type Hook , Working Length: 330cm; Outside Diameter: 5mm
	SCHookL0450	L Type Hook , Working Length: 450cm; Outside Diameter: 5mm



- Excellent Monopolar Dissection and Hemostasis Performance
- High Quality Material, Less Sticky at Tip

Bipolar Coagulation Forceps

Product	Model	Description
Bipolar Coagulation Forceps	SCForceps0115-1	Handle Shape: Straight; Electrode Length: 115mm; Electrode Thickness: Straight, 0.3mm
	SCForceps0115-2	Handle Shape: Straight; Electrode Length: 115mm; Electrode Thickness: Straight, 0.7mm
	SCForceps0115-3	Handle Shape: Straight; Electrode Length: 115mm; Electrode Thickness: Curved, 0.3mm
	SCForceps0115-4	Handle Shape: Straight; Electrode Length: 115mm; Electrode Thickness: Curved, 0.7mm
	SCForceps0200-1	Handle Shape: Gun Shape; Electrode Length: 200mm; Electrode Thickness: Straight, 0.3mm
	SCForceps0200-2	Handle Shape: Gun Shape; Electrode Length: 200mm; Electrode Thickness: Straight, 0.7mm
	SCForceps0200-3	Handle Shape: Gun Shape; Electrode Length: 200mm; Electrode Thickness: Curved, 0.3mm
	SCForceps0200-4	Handle Shape: Gun Shape; Electrode Length: 200mm; Electrode Thickness: Curved, 0.7mm



- Light Weight and Easy to Operate
- Superior Safety, Precision and Efficacy
- Consistent Performance Over a Range of Tissue Thickness

