

# TAKTVOLL®

# ES-300S

## HIGH PERFORMANCE ELECTROSURGICAL UNIT

### Taktvoll New generation

The use of Taktvoll's new generation pulse technology allows precise control of the surgical process through pulse output for both cutting and coagulation, effectively managing thermal damage and cutting depth. **Large blood vessel sealing function-sealing vessels up to 7 mm.**



# PRODUCT INTRODUCTION



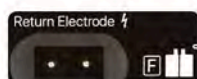
## Smart Interaction on a 7-Inch Touch Screen

Clean UI, flexible touchscreen design, 10 modes, meeting all surgical needs comprehensively.



## Simultaneous dual electro-surgical pencil output.

Supports monopolar, bipolar, and large vessel sealing instruments for high-performance cutting, coagulation, and vascular sealing.



## Return Electrode Monitor (REM)

Detects resistance changes. When the resistance exceeds the set value, the REM alarm system activates, halting the output of the high-frequency surgical equipment to ensure safety.



## Startup Self-Test Function

After startup, the device can automatically detect error codes and provide automatic error alerts.

## TECHNICAL SPECIFICATIONS

	Mode	Max Output Power(W)	Load Impedance( $\Omega$ )	Modulation Frequency (kHz)	Max Output Voltage (V)	Crest Factor	
Monopolar	Cut	Pure Cut	400	500	--	1300	1.8
		Blend 1	250	500	20	1400	2.0
		Blend 2	200	500	20	1300	2.0
		Blend 3	150	500	20	1300	1.9
	Coag	Spray	120	500	12-24	4800	6.3
		Forced	120	500	25	4800	6.2
		Soft	120	500	20	1000	2.0
Bipolar	Vessel Sealing	150	100	20	700	1.9	
	Standard	100	100	20	700	1.9	
	Fine	50	100	20	400	1.9	

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