

TRISONIC

Phacoemulsification System

The TRISONIC Surgical System:

- Advanced Cataract Removal
- State of the Art Performance
- Lightweight and Portable
- 24 Customizable User Programs
- Four US Modes
 - Continuous, Pulse, Burst and Micro
- Large 12.1" Touchscreen
- All Titanium Handpiece
- Integrated Coagulation and Vitrectomy
- Programmable Multi Function Footpedal
- Easy to Insert, Reusable Tubing Cartridge
- Rugged Travel Case Included
- Integrated IV Pole Optional

Standard Accessories:

- U/S Handpiece
- Tubing Cartridge
- Footpedal
- Travel Case

Optional Accessories:

- Phaco Tips
- I/A Handpiece
- Aspiration Tips
- Irrigation Sleeve
- Test Chamber
- Vitrector
- Coagulation Forceps/Cord



Technical Parameters

IRRIGATION	
FLUID DELIVERY	Gravity Fed
US (ULTRASONIC)	
HANDPIECE TYPE	All Titanium, Lightweight, Balanced Handpiece
OPERATING FREQUENCY	40 KHz
AVAILABLE VACUUM LEVEL	From 0 to 500 mmHg
SURGEON MODE (LINEAR POWER)	Allows linear control of US power by depressing footpedal
MULTI MODULATION	Allows for rapid transition for aspiration and phaco settings
US BURST MODE	Allows for surgeon control of pulse width in phaco power
MICRO PHACO	Allows for surgeon control of both the on-time and off-time of the phaco pulse
PRIME/TUNE MODE	Automatically primes system and tunes ultrasonic handpiece
IA (IRRIGATION/ASPIRATION)	
ASPIRATION PUMP	Peristaltic, low pulsation
AVAILABLE VACUUM LEVEL	From 0 to 500 mmHg
AVAILABLE ASPIRATION FLOW RATE	From 0 to 50 cc/min
SURGEON MODE (LINEAR ASPIRATION)	Linear aspiration (vacuum and/or flow rate) from zero to preset
HANDPIECE TYPE	Coaxial IA, user's choice
VIT (VITRECTOMY)	
HANDPIECE TYPE	Pneumatically powered guillotine cutter
CUTTING MODE	Guillotine action
AVAILABLE CUT RATE	From 60 to 700 cuts per minute
ACTUATION DEVICE	Internal air compressor
OPERATING PRESSURE	20 PSI
AVAILABLE VACUUM RANGE	0 to 500 mmHg
AVAILABLE ASPIRATION FLOW RATE	0 to 50 cc/min
SURGEON MODE (LINEAR ASPIRATION)	Linear aspiration (vacuum and/or flow rate) from zero to preset
COAG (COAGULATION)	
TYPE	Bipolar generator
OPERATING FREQUENCY	315 kHz
NOMINAL POWER	5.5 Watts (250 Ohm load)
AVAILABLE COAG POWER	5 to 100%
SURGEON MODE (LINEAR POWER)	Allows linear control of the Coag power by depressing footpedal
DIMENSIONS	
H/W/DWT	6.5in (16.5cm) / 14.5in (36.8cm) / 13.5in (34.3cm) / 21lbs (9.55kg)



Model 2000

Premium Phacoemulsifier

- Advanced Cataract Removal
- State-of-the-Art Performance
- Cold Phaco Capability
- Easy-to-Use Precise Controls
- FDA Approved
- ISO Certified Quality
- Affordable Price



Standard Accessories:

- U/S Handpiece
- Footpedal
- Tubing Kit

Optional Accessories:

- Phaco Tips
- I/A Handpiece
- Aspiration Tips
- Irrigation Sleeve
- Test Chamber
- Vitrector
- Cautery Forceps/Cable



Technical Parameters

Mode	Specification	Feature	Yes
CAUTERY	CAUTERY POWER: 0 to 100%, 1 MHz, 10W into 150 ohms	All Titanium Phaco Handpiece	✓
		Continuous Autotuning	✓
I/A	ASPIRATION RATE: 0 to 50 cc/MIN I/A VACUUM: 0 to 650 mmHg	Three (3) Phaco Modes	✓
		Low-Pulsation Peristaltic Pump	✓
U/S	U/S POWER: 0 to 100%, 40 kHz ASPIRATION RATE: 0 to 50 cc/MIN U/S VACUUM: 0 to 650 mmHg	Separate U/S Vacuum Control	✓
		Independent Vacuum & Flow Controls	✓
U/S PULSE	U/S POWER: 0 to 100%, 40 kHz ASPIRATION RATE: 0 to 50 cc/MIN U/S VACUUM: 0 to 650 mmHg Pulse Rates: <ul style="list-style-type: none">• LO 4.5 PPS• MED 6.5 PPS• HI 10 PPS• XTR 15 PPS	Multiple Audible Status Tones	✓
		Reflux On-Demand	✓
		Pneumatic Vitrectomy	✓
		Bipolar Cautery	✓
		Reusable Accessories	✓
U/S COLD	U/S POWER: 0 to 100%, 40 kHz ASPIRATION RATE: 0 to 50 cc/MIN U/S VACUUM: 0 to 650 mmHg Pulse Widths: <ul style="list-style-type: none">• LO 20 mS• MED 40 mS• HI 90 mS• XTR 200 mS	Small and Compact	✓
		No Complicated Menu System	✓
		No Programming Required	✓
		Superior Components	✓
VITRECTOMY	CUT RATE: 60 to 600 cuts/MIN, Single Cut ASPIRATION RATE: 0 to 25 cc/MIN I/A Vacuum: 0 to 500 mmHg	Multi-Function, Linear-Control Footpedal	✓
		U/S Timer with Reset	✓

General

Dimensions

Specification

Height: 14.6 cm (5.7 in)
Width: 41.2 cm (16.2 in)
Depth: 33.0 cm (13.0 in)

Weight

Weight: 7.4 kg (16.4 lbs)

Electrical

100 to 240 VAC, 50 to 60 Hz

- FDA approved
- ISO 13485 Quality Certification
- Satisfies IEC 60601-1 Specification