

## Features and Benefits:

**Most Economical Choice:** MTP phacos are significantly lower in price than available phacos from other manufacturers. Additionally, all accessories are reusable, ensuring the lowest cost per cataract extraction.

**Feature-packed, Easy-to-Use Consoles:** Ergonomically designed for ease of operation, with large, easy-to-read displays. MTP are extremely simple to operate.

**Continuously Autotuned Emulsification:** The most advanced high-power ultrasonics available can emulsify all nuclei from the softest to the very hardest densities. Continuous autotuning circuitry gives the cataract surgeon superior control at all power levels and nuclei densities. Multiple Ultrasonic modes offer additional flexibility.

**All-Titanium Phaco Handpieces:** Constructed entirely of the ultimate surgical metal, MTP phaco handpieces will not corrode. Far better than stainless steel, titanium completely ends the possibility of corrosion. MTP phaco handpieces are lightweight and virtually indestructible.

**Hi-Performance Footpedals:** Multi-function footpedals with tactile feedback provide precise proportional control. Cast aluminum construction and polyurethane-armored cable make these footpedals extremely durable, yet small and lightweight.

**Advanced Irrigation and Aspiration:** The low-pulsation, peristaltic pump gives the cataract surgeon complete vacuum and aspiration flow rate control, as well as freedom from anterior chamber shallowing. Multiple audible tones continuously convey system status. Vacuum is fully adjustable, providing safe and adequate vacuum for the latest phaco techniques.

**Built-in Vitrectomy and Cautery:** An internal air compressor eliminates the connection to an external air source for vitrectomy. Cutting rate is adjustable over a wide range, including a single-cut setting for optional pneumatic scissors. Bipolar diathermy delivers predictable tissue cauterization.

**Superior Components Provide Reliability:** Unsurpassed component quality, from the precision peristaltic pump to the rugged stainless steel vacuum transducer, MTP phacos are built to last.

**MTP**  
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# Ophthalmic Surgical Systems

# Model 3000 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/D/WT	6.5in (16.5cm) / 14.5in (36.8cm) / 13.5in (34.3cm) / 21lbs (9.55kg)

