

HIGH PERFORMANCE DYNAMIC PERISTALTIC PUMP

ANTERIOR CHAMBER STABILIZER

ULTRALIGHT ULTRASONIC HANDPIECE

SIMULTANEOUS DOUBLE LINEAR FOOT PEDAL



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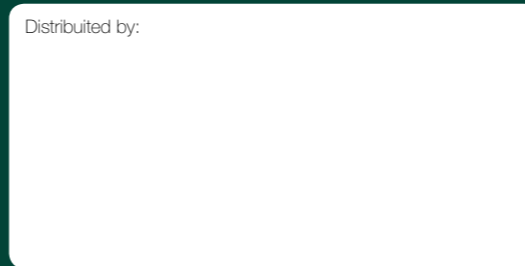
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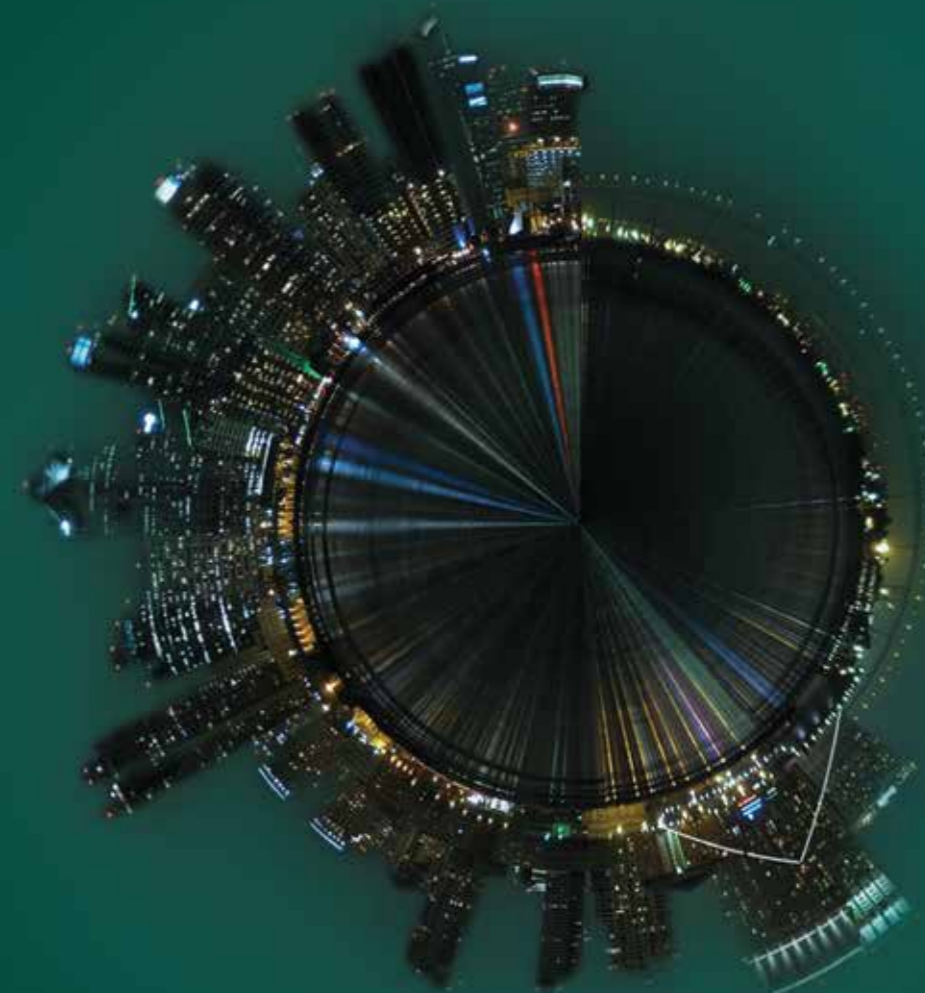
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ACHIEVE YOUR VISION.

**Pulsar Minimal Stress**



111001 Pulsar Minimal Stress

## Pulsar Minimal Stress

### WORKSTATION FOR ANTERIOR SEGMENT SURGERY

- Continuous micrometrical stroke length control & adjustment by *Minimal Stress* system (patented).
- High performance dynamic peristaltic pump.
- Power limit & Auto pulsed U/S.
- Up to 25 vacuum rise time levels.
- LCD screen.
- User-friendly Control Software.
- Simultaneous Double Linear Foot Pedal.



L x W x H:  
370 x 400 x 160 mm

### Technical specifications *Pulsar Minimal Stress*

PARAMETER	SPECIFICATION
Model	Pulsar Minimal Stress
<b>PROGRAMMABILITY</b>	Programs 10 user programs
<b>EQUIPMENT CONTROL</b>	Footpedal Single Linear, Single Linear left, Single linear MMP, Single I.V.Pole, Double linear, Double linear left
<b>IRRIGATION</b>	Irrigating pressure gravity fed Irrigation control footpedal and arrow keys on frontal panel
<b>ASPIRATION</b>	Aspiration pump type Peristaltic with single-use or reusable tubing Vacuum level range programmable from 5 to 500 mmHg (step 5 mmHg) Flow rate range programmable from 2 to 50cc/min (step 2cc/min) Rise time (in U/S mode) 25 levels, programmable from 2 to 50 cc/min (step 2 cc/min) Control Panel or Linear vacuum and flow control by the footpedal Safety system ACS3 (Anterior Chamber Surge Suppression System)
<b>ANTERIOR VITRECTOMY</b>	Cutter type 20G pneumatic guillotine cutter Cutting rate range single or repetitive cut from 60 up to 700 cut/min Cutters Reusable guillotine cutter, adjustable port from 0.2 mm up to 0.7 mm Single use guillotine cutter Actuating medium pressurized air from integrated air compressor Special features open tip / closed tip position Control panel or Linear cut rate control by the footpedal
<b>DIATHERMY</b>	Type Bipolar diathermy, 7W @450 Ohm Probes forceps and pencil eraser surface probes, endo-ocular pencil probes Control panel or Linear power control by the footpedal
<b>PHACOEMULSIFIER</b>	Operating frequency 40 KHz Maximum stroke up to 100 µm, with Minimal Stress control (patented) Operating modes continuous, pulsed from 1 to 40 Hz, single burst, multiple burst, continuous burst Power reduction modes Power Limit and Auto Pulsed Handpieces slim 4 piezoelectric handpiece (four crystals, titanium ultralight 40 gr) Tip and sleeve range For coaxial phaco, Co-MICS, mics (incision size range from 1.0 mm up to 3.2 mm) Control panel or Linear stroke control by the footpedal
<b>ELECTRICAL SPECIFICATIONS</b>	Input voltage 100/120/220/230-240 V (A.C.) selected Frequency 50/60 Hz Power consumption 90 VA (Standard), 150 VA (Peak)
<b>REGULATORY</b>	CE marking European directive 93/42/EEC Safety Conforms to IEC 60601-1 IEC 60601-1-2 IEC 60601-2-2 IEC 60601-1-1

