

HIGH PERFORMANCE DYNAMIC PERISTALTIC PUMP

ANTERIOR CHAMBER STABILIZER

ULTRALIGHT ULTRASONIC HANDPIECE

SIMULTANEOUS DOUBLE LINEAR FOOT PEDAL



AMERICA
 Argentina
 Bolivia
 Brazil
 Canada
 Chile
 Colombia
 Costa Rica
 Cuba
 Ecuador
 Mexico
 Paraguay
 USA
 Venezuela

AFRICA
 Algeria
 Egypt
 Morocco
 South Africa
 Sudan
 Tunisia

EUROPE
 Austria
 Belgium
 Denmark
 France
 Germany
 Greece
 Italy
 Netherlands
 Poland
 Portugal

United Kingdom
 Czech Republic
 Russia
 Serbia
 Slovakia
 Spain
 Switzerland
 Turkey

MIDDLE EAST
 Saudi Arabia
 Bahrain
 Jordan
 Iran
 Iraq
 Israel
 Lebanon
 Pakistan
 Syria
 Yemen

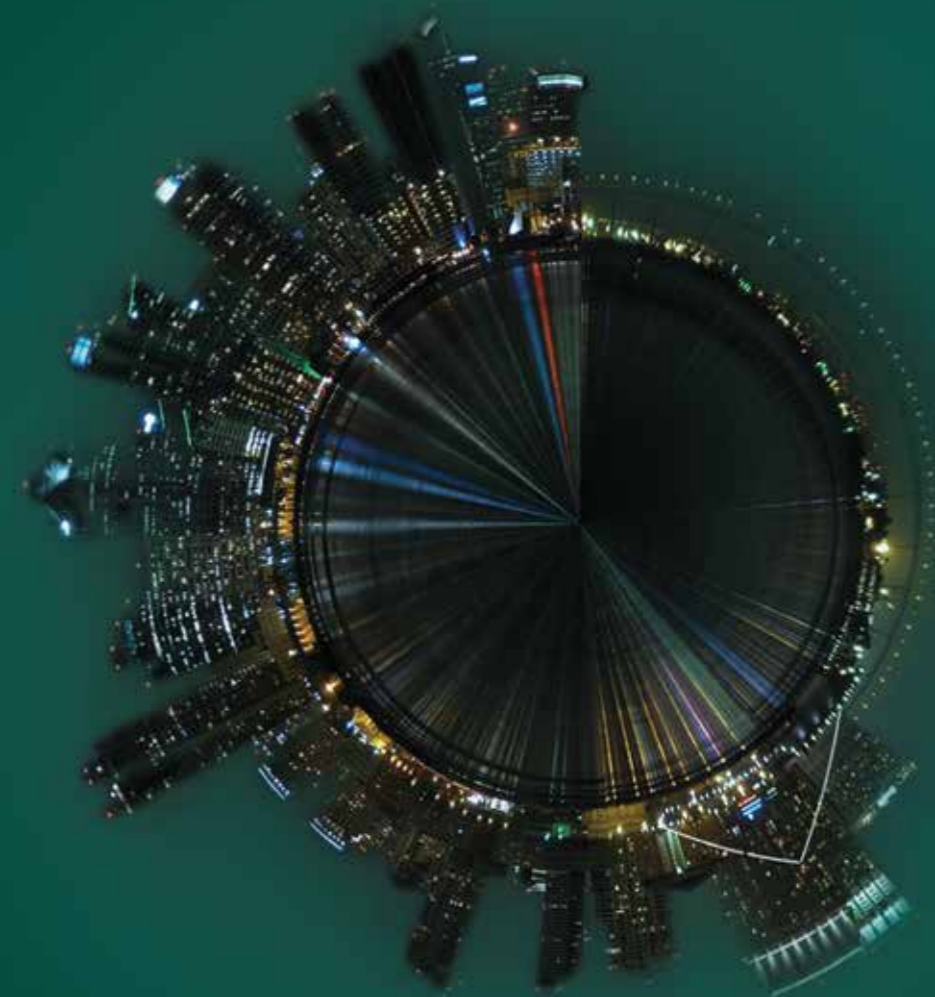
ASIA
 Bangladesh
 China
 South Korea
 Philippines
 Japan
 Hong Kong
 India
 Indonesia
 Nepal
 Thailand
 Taiwan
 Vietnam



Cover photo by Jason e Ama Ball - DANDELIO - www.dandelio.com

OPTIKON™
Man and Technology

DESIGNED AND MANUFACTURED IN ITALY



111001/10/13/English

OPTIKON™
Man and Technology

OPTIKON 2000 S.p.A.
Via del Casale di Settebagni, 13
00138 Roma - Italy
www.optikon.com

CUSTOMER SERVICE
Rome office - Italy
Via del Casale di Settebagni, 13 - 00138 Roma
ph. +39 06 8888355 - fax +39 06 8888440
e-mail: sales@optikon.it

Distributed by:



PREMED PHARMA KFT.
 cím 2040 Budaörs, Gyár u. 2.
 TELEFON 06 23 889 700
 FAX 06 23 889 710
 E-MAIL info@premedpharma.hu
 WEB www.premedpharma.hu

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
PROGRAMMABILITY	Programs 10 user programs
EQUIPMENT CONTROL	Footpedal Single Linear, Single Linear left, Single linear MMP, Single I.V.Pole, Double linear, Double linear left
IRRIGATION	Irrigating pressure gravity fed Irrigation control footpedal and arrow keys on frontal panel
ASPIRATION	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)
ANTERIOR VITRECTOMY	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
DIATHERMY	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
PHACOEMULSIFIER	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
ELECTRICAL SPECIFICATIONS	Input voltage 100/120/220/230-240 V (A.C.) selected Frequency 50/60 Hz Power consumption 90 VA (Standard), 150 VA (Peak)
REGULATORY	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

