Applications of Zolar Dental Diode Lasers (Photon Series)

- Exposure of Unerupted teeth
- Excision of lesion or removal of Granulation Tissue**
- Fibroma Removal*
- Frenectomy
- Gingival Troughing for crown impressions
- Gingivoplasty
- Hemostasis and coagulation
- Gingival incision and excision hemostasis
- Implant recovery
- Incision and drainage of abscess
- Leukoplakia
- Opareculectomy
- Oral papilectomies
- Pulpotomy as an adjunct to root canal therapy
- Reduction of gingival hypertrophy
- Soft tissue crown lengthening
- Gingival bleeding index
- Excisional and incisional biopsies
- Treatment of canker sores, herpetetic and aphthous ulcers of the oral mucosa
- Vestibuloplasty

Precise, safe and efficient surgical procedures on all oral soft tissues, including fibroma removal, frenectomies.

Sulcular debridement (removal of diseased or inflamed soft tissue in the periodontal pocket to improve clinical indices including: gingival index, probe depth, attachment loss and tooth mobility)

Debridement of diseased epithelial lining**
Removal of highly inflamed edematous tissue affected by bacteria penetration of the pocket lining and junctional epithelium*

* Photon
** Photon Plus
Technical Information

Wavelength: 810nm (Photon 3W)
Wavelength: 980nm (Photon Plus 10W)
Weight: <2kgs
Dimensions: 187 x 148 x 38 mm

Settings

Manual (Power, Time, Mode)
Capability for 21 Treatment presets and 4 customized presets (Photon 3W)
Capability for 22 Treatment presets and 3 customized presets (Photon Plus 10W)
3 levels of aiming beam intensity

Modes

Continuous or Pulse Mode
Pulse Interval: 0.01ms - 9.9s
Pulse Duration: 0.01ms - 9.9s
Duty Cycle: Adjustable
Autoclave: Hand piece autoclavable

Power Requirements

AC100-240V 50/60Hz
Lithium battery 16.8V 10AH
Wireless Pedal 1.5V Battery

Complies with

IEC 60601-1
IEC 60601-2-22
UL 60601-1
CAN/CSA C22.2 NO.601.1
IEC 60825-1
IEC 60601-1-2
FCC Part 15C
IC-RSS 210
**EDITABLE PRESETS**
Here you can enter your preferred settings for easy access.

**MENU OPTION**
Menu option screen

**HELP**
Here you can get a guidance of operation

**WARNING**
The system advises the operator of any malfunction by a message on the screen and a warning sound.

**PASSWORD PROTECTION**
Photon uses digital password instead of a key for security purposes. After self-diagnostic routine, there appears password screen.

**CUSTOMIZABLE PROGRAMS**
You can create/change your own procedure/new application
Commonly known benefits of using laser therapy:

- Procedures with almost NO BLOOD CHEMISTRY
- Swelling...which you never feel or notice.
- Little to no tissue recession due to controlled thermal damage
- Gentle and comfortable - often requiring only mild topical anesthetic.
- Improved post-operative healing in all procedures.

* Photon
** Photon Plus

Gingival Troughing
Oral Papillectomies
Crown Lengthening
Implant Recovery
Herpetic Ulcer Treatment
Fibroma Removal