

## VERSAWAVE

ERBIUM YAG ALL-TISSUE LASER

THE NEW VERSAWAVE™ ERBIUM YAG ALL-TISSUE LASER PROVIDES HIGHER LEVELS OF POWER AND VERSATILITY, BETTER DELIVERY ERGONOMICS, AND MORE TREATMENT OPTIONS THAN EVER BEFORE.

THE HIGH-PERFORMANCE VERSAWAVE FEATURES A UNIQUE RANGE OF 3 TO 50 PULSES PER SECOND, 400 MILLIJOULES PER PULSE, AND AN ENERGY OUTPUT OF NINE WATTS. IN ADDITION, A UNIQUE TRUTEST™ EXTERNAL FIBER CALIBRATION PORT ENSURES CONSISTENT OUTPUT POWER, EVERY TIME.

THE FLEXLITE III™ – DENTISTRY'S LONGEST, LIGHTEST, AND MOST FLEXIBLE ALL-TISSUE FIBER DELIVERY SYSTEM – PROVIDES BETTER VISIBILITY AND ACCESS THROUGH A WIDE VARIETY OF HANDPIECES AND TIPS. WITH THE NEW PERFECT BALANCE™ FIBER SUPPORT SYSTEM, DENTISTS ALSO BENEFIT FROM ZERO HANDPIECE RESISTANCE AND COMPLETE FREEDOM OF MOVEMENT.

### Features

- 3 to 50 pulses per second with adjustable repetition rates
- 400 millijoules per pulse
- Nine-watt energy output
- Optimized for hard, soft, and osseous tissue
- Optional right angle handpiece for improved posterior access
- Standardized handpiece mount for chair or tray
- Unique water spray system
- Compact, mobile and rugged design
- Disposable 5 micron air and water filters
- Standard 115/220V electrical outlets

PERFECT BALANCE™  
FIBER SUPPORT  
SYSTEM FOR  
COMPLETE FREEDOM  
OF MOVEMENT

ERGONOMIC  
FLEXLITE™ III  
LASER/AIR/WATER  
FIBER DELIVERY  
SYSTEM

INTUITIVE CONTROL  
PANEL WITH FIVE  
PRESET POWER  
LEVELS

STANDARD  
HANDPIECE MOUNT  
ON CHAIR OR TRAY  
FOR CONVENIENT  
DOCKING

TRUTEST™  
EXTERNAL FIBER  
CALIBRATION  
PORT ENSURES  
CONSISTENT  
OUTPUT POWER



SUPERB ENGINEERING. LEGENDARY RELIABILITY.

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# VERSAWAVE™

ERBIUM YAG ALL-TISSUE LASER

## Specifications

### Laser Parameters

Type of Laser	Erbium Yag All Tissue
Wavelength	2940 nm
Energy Output	Up to 400 mJ
Repetition Rate	Adjustable 3 to 50 Hz
Calibration	TruTest™ external fiber calibration port

### Physical Parameters

Input Power	115V or 220V, single phase 15 amp
Dimensions	11.5"W X 23"D X 32.5"H 292.1 mm X 584.2 mm X 825.5 mm
Weight	95 lbs (43.2 Kg)

### Fiber Delivery System

Fiber Length	78" (2m)
Handpiece	360° swivel; lightweight, compact; autoclavable sleeve

### Tips

Application	Patented curved tips for maximum visibility
Sterility	Autoclavable



Energy output: five preset power levels



TruTest™ external fiber calibration port



360° swivel, lightweight, compact handpiece.

## Indications for use

### Hard Tissue

- All classes cavity preps
- Caries removal
- Hard tissue surface roughening and etching
- Tooth preparation to obtain access to root canals
- Root canal preparation
- Root canal debridement and cleaning

### Bone

- Cutting, shaving, and contouring
- Osseous crown lengthening
- Osteoplasty and ostectomy
- Apicoectomy – including cutting a window access to the apex
- Root end preparation for retrofill
- Removal of pathological and hyperplastic tissues from around the apex

### Periodontal

- Full, partial, and split thickness flaps
- Laser curettage
- Laser removal of diseased soft tissue within the periodontal pocket
- Removal of granulation tissue from bony defects

- Sulcular debridement to improve clinical indices such as gingival bleeding, probe depth, and attachment loss

### Soft Tissue

- Excisional and incisional biopsies
- Exposure of unerupted teeth
- Fibroma removal
- Frenectomy and frenotomy
- Gingival troughing for crown impressions
- Gingivectomy and gingivoplasty
- Hemostasis and coagulation
- Implant recovery
- Abscess incision and drainage
- Operculectomy
- Papillectomy
- Pulpotomy and pulp extirpation
- Pulpotomy as an adjunct to root canal therapy
- Soft tissue crown lengthening
- Treatment of herpetic and aphthous ulcers
- Vestibuloplasty

Photos courtesy of Glenn van As, BSc, DMD Vancouver BC



Open Flap Osseous Recontouring with Er:YAG laser for maxillary lateral incisor.



Crown inserted for maxillary lateral incisor.



Anesthetic free Er:YAG preparation completed for lower incisor.



Restoration completed for lateral incisor.



Soft tissue maxillary frenectomy with Er:YAG laser using soft tissue tip.



Frenectomy completed with topical anesthetic immediately postoperatively.

Related Patents: 6,115,397; 5,695,493; 5,374,266; 5,348,552; 5,342,198; 5,300,067; 5,257,935; 4,806,138; 4,761,387



ISO13485

