

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 TRUATEST™ 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

TRUATEST™ EXTERNAL FIBER CALIBRATION PORT ENSURES CONSISTENT OUTPUT POWER



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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

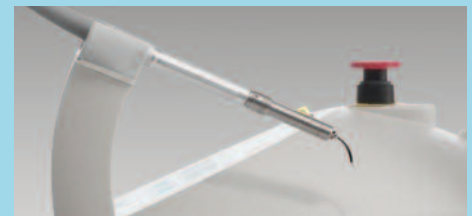
Application	Patented curved tips for maximum visibility
Sterility	Autoclavable



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

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

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



Open Flap Osseous Recontouring with Erbium Yag laser for maxillary lateral incisor.



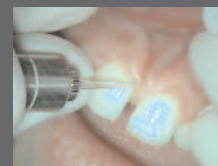
Crown inserted for maxillary lateral incisor.



Anesthetic free Erbium Yag preparation completed for lower incisor; separation 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.

HOYA ConBio™
The World's Most Reliable Lasers

*An ISO13485:2003 Certified Facility

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