

DioDent[®] **MICRO 980** DIODE SOFT-TISSUE LASER



The new DioDent MICRO 980™ portable soft-tissue dental laser from HOYA ConBio is the best value on the market today. Designed in cooperation with leading dental professionals, the MICRO 980™ is both extremely functional and incredibly intuitive, requiring minimal training to navigate its color touch screen menus and safely perform soft-tissue treatments with superior results.

At the heart of HOYA ConBio's 3rd generation soft-tissue laser is a 980nm wavelength diode laser. The 980nm wavelength is proven to be the ideal wavelength for soft tissue surgical procedures, providing tissue absorption rates six times higher than that of the 810nm wavelength soft-tissue lasers. This enables the MICRO 980™ to reduce thermal damage to surrounding tissue, minimize edema and even perform a variety of procedures using only topical anesthetic. As a result, the MICRO 980™ provides superior surgical results, improves the patient experience and reduces patient recovery time.

Features & Benefits

- Next-generation diode laser
- New intuitive touch screen
- Unique fiber spool detaches for steam sterilization
- Compact & lightweight, easy to transport
- Low entry price, rapid ROI
- Single-step fiber jacket removal
- Multiple language screens
- Integrated built-in power supply

DioDent[®] MICRO 980

DIODE SOFT-TISSUE LASER



Features of Note: Removable and autoclavable laser fiber storage spool, single-step fiber jacket removal, color touch screen, preprogrammed and customizable surgical presets, grab & go handle for added portability and adjustable tabletop support.

Specifications

Type of Laser	Diode, AlGaAs
Laser Beam Wavelength	980 nm (invisible, near-infrared)
Power Output	Up to 3.5 Watts continuous
Type of Operation	CW or Pulsed
Repetition Rate	10, 50, 100, 200, 500, 1000 Hz
Aiming Beam	Red diode, 650 nm, 0.1 mW
Method of Transmission	Fiber
Sterility	Fiber can be heat sterilized
Handling	Removable spool, also heat sterilized
Diameter	300 micron std., 400 & 200 micron optional
Length	3 meters
Type of Protection against Electric Shock	Class I
Degree of Protection against Electric Shock	Type B
Class of Laser Products	Class IV
Laser Emission Alert	Audible and Visible LED
Electrical Input	100-240 VAC50/60Hz, 1A, auto-sensing
User Interface	Color Touch Screen
Dimensions	W: 9.0 in., L: 7.0 in., D: 2.0 in. W: 23 cm, L: 18 cm, D: 5 cm
Weight	4 lbs, 1.8 Kg.
Handpiece	Heat sterilized, Disposable, angled cannula tips
Footswitch	On/Off Standard
Calibration	Internal Standard

Note: These specifications are subject to change without notice for product improvement.

Indications for Use for the DioDent MICRO 980™ Soft-Tissue Dental Laser

Incision, excision, ablation, vaporization, and hemostasis of oral soft-tissue, including the following:

- Excisional and incisional biopsies
- Exposure of unerupted teeth
- Fibroma removal
- Frenectomy and frenotomy
- Gingival troughing for crown impressions
- Gingivectomy
- Gingivoplasmy
- Implant recovery
- Incision and drainage of abscess
- Operculectomy
- Oral papillectomies
- Reduction of gingival hypertrophy
- Soft-tissue crown lengthening
- Sicular debridement (removal of diseased or inflamed soft-tissue in the periodontal pocket to improve clinical indices including gingival index, gingival bleeding index, probe depth, attachment loss and tooth mobility)
- Treatment of aphthous ulcers
- Vestibuloplasty



ISO13485

HOYA ConBio™
The World's Most Reliable Lasers
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