

# Whitening Handpiece for use with BIOLASE Diode Lasers

## Introduction

The BIOLASE® Whitening Handpiece is intended for use by dentists in conjunction with a BIOLASE Diode Laser and LaserWhite20™ Whitening Gel for tooth whitening/bleaching procedures. The use of this system requires proper clinical and technical training. This manual provides instructions for professionals that have completed the appropriate training. When used and maintained properly, the tooth whitening system will prove a valuable addition to your practice. Please contact your authorized representative if you have any questions or require assistance.



## Section 1: Safety

### Precautions

Failure to comply with precautions and warnings described herein may lead to exposure to optical radiation sources. Please comply with all safety instructions and warnings.

**CAUTION:** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**DANGER:** Do not use this unit if you suspect it of functioning improperly or other than described herein.

### Safety Instructions

Follow these safety instructions before and during treatments:

- All operatory entrances must be marked with an appropriate warning sign.
- Do not operate in the presence of explosive or flammable materials.

**WARNING:** All persons present in the operatory must wear protective eyewear, when laser is in operation.

- Do not look directly into the beam or at specular reflections.
- Never direct or point the beam at anyone's eyes.
- Make sure the laser is on STANDBY (Control button) before turning off the unit or removing the handpiece.
- Move the circuit breaker (located on rear panel) to OFF (0) position before leaving the laser unattended.

## Section 2: Installation

- 1) Connect the handpiece by pushing onto the fiber shaft until it clicks.



- 2) To disconnect, press both buttons at the base of the shaft, and pull the handpiece.
- 3) The handpiece is equipped with disposable protective shields for use during bleaching procedures.
- 4) Place a disposable shield over the handpiece's arch, dispose of after single use.

## Section 3: Operation

The Whitening Handpiece with its arched mouth piece is designed to evenly apply laser power across four to five teeth at once.

For detailed operating instructions please refer to the appropriate BIOLASE diode laser user manual.

### Settings

- 1) Turn the laser on and select the WHITENING procedure category
- 2) Please use the pre-set recommended settings shown on your BIOLASE diode laser system display.

### Tooth Whitening Procedure

- 1) Carefully review all instructions included with every LaserWhite20 Whitening Gel Kit before proceeding with this treatment.

## Section 4: Warnings and Precautions

### Eyewear

Doctor, patient, assistant and all others inside the operatory must wear appropriate laser eyewear protection for the diode laser wavelength of  $940 \pm 10$  nm.

### Teeth Whitening

The Whitening system is designed only for use with the BIOLASE LaserWhite20 Whitening Gel. Do not use this system with any other whitening gels. Using the system with other gels may result in adverse effects to the patient.

## Section 5: Clinical Applications

The BIOLASE tooth whitening system is intended for laser-assisted whitening/bleaching of teeth.

BIOLASE assumes no responsibility for parameters, techniques, methods or results. Physicians must use their own clinical judgment and professionalism in determining all aspects of treatment, technique, proper power settings, interval, duration, etc.

## Section 6: Maintenance

### Disinfection of the Whitening Handpiece

The BIOLASE diode laser Whitening Handpiece requires disinfection before and after each patient use.

- To clean and disinfect the Whitening Handpiece, wipe the entire surface of the handpiece with cotton gauze and isopropyl alcohol or a mild chemical disinfectant.
- The handpiece is equipped with disposable protective covers (sold separately) which are intended for one time use only to prevent cross-contamination.



**CAUTION:** The handpiece is not autoclavable.

### Inspection of the BIOLASE diode laser shaft

- Visually inspect the optic window located on the BIOLASE diode laser shaft for cleanliness.
- To clean the window, use a lint-free cotton tip and isopropyl alcohol to gently remove contaminants or debris.



**CAUTION:** Using a BIOLASE diode laser with a dirty or damaged window will damage the Whitening Handpiece.

## Section 7: Package Contents

### Contents of the BIOLASE diode laser Whitening Handpiece package:

- BIOLASE diode laser Whitening Handpiece
- Five(5) protective shields
- BIOLASE diode laser Whitening Handpiece Instructions for Use

### Replenishment Item Numbers

- **6400180 Disposable Shields for Whitening Handpiece (pack of 30)**
- **7400030 LaserWhite20 Whitening Gel Kit (pack of 5)**
- **7400063 LaserWhite20 Whitening Gel Kit (pack of 5, Canada Only)**
- **7400022 BIOLASE Diode Laser Whitening Handpiece**

### Limited Warranty

For warranty information, refer to separate equipment warranty.

### Limited Liability

BIOLASE, Inc. will not be liable for incidental, consequential, indirect or special damages of any kind including, but not limited to, damages for loss of revenue, loss of business or business opportunity or other similar financial loss arising out of or in connection with the performance, use or interrupted use of the BIOLASE diode laser system(s) or any BIOLASE materials.

# BIOLASE



**BIOLASE, Inc.**

27042 Towne Centre Drive, Suite 270  
Foothill Ranch, CA 92610-2811 USA  
949.361.1200  
888.424.6527  
biolase.com



**M T Promedt Consulting GmbH**

Altenhofstrasse 80  
D-66386 St. Ingbert/Germany  
+49 6894 581020  
www.mt-procons.com



P/N 5400122 Rev. L