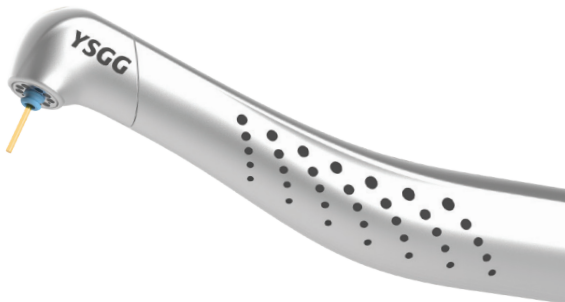


Instruction for Use — Handpiece

Introduction

The Waterlase™ Express Handpiece is designed to operate exclusively with a Waterlase Express all-tissue laser system. The Waterlase Express Handpiece is intended to be used for soft-tissue procedures and most of your hard-tissue procedures that do not require bulk removal of tissue. When properly used and maintained, your Handpiece will help provide a more comfortable and convenient experience for your patients.



Section 1: Description

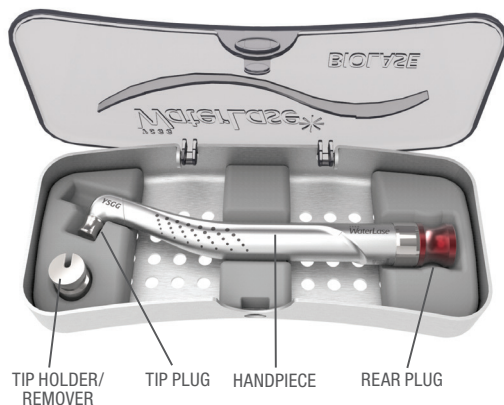
EXPRESS HANDPIECE, TIPS AND TIP REMOVER

One Waterlase Express Handpiece package includes: The contra-angle Waterlase Express Handpiece and one Waterlase Express Tip Holder/Remover tool. [Figure 1.1]

Section 2: Safety & Warnings

GENERAL

Contraindications, Warnings, and Precautions for the Waterlase all-tissue laser system are provided in the appropriate Waterlase Express user manual. To start, always use the Waterlase Express at low-power settings until you become proficient with the Waterlase Express Handpiece, due to its very efficient removal of hard-tissue.



[Figure 1.1] WATERLASE EXPRESS HANDPIECE.

Section 3: Set-up & Operation

CONNECTING/DISCONNECTING THE HANDPIECE TO THE FIBER OPTIC CABLE

CAUTION: Handpieces are not sterile when sold and **MUST** be sterilized prior to initial use, and cleaned and sterilized between patients. Refer to Section 5 or Section 11 of the user manual for complete instructions on cleaning and sterilization.

- 1 Remove the rear plug and the Tip plug from the Handpiece. Be sure to save the plugs, as they will always be required when preparing the Handpiece for cleaning and sterilization. [Figure 3.1]
- 2 Hold the Fiber Optic Cable by the connector; remove the fiber protective cover from the fiber shaft of the fiber by gently, but firmly, pulling it; be sure to save the cover. [Figure 3.2]



Figure 3.1

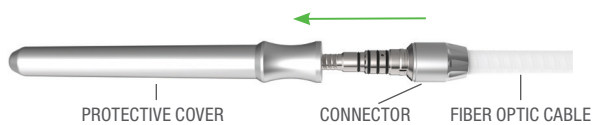


Figure 3.2

Continued on reverse.

- 3 Check the fiber shaft for any moisture and wipe with a dry tissue if any is present. [Figure 3.3]
- 4 Carefully insert the Handpiece onto the Fiber shaft until it sits firmly against the connector (do not twist). [Figure 3.4]
- 5 To disconnect the Handpiece, hold the Fiber Optic Cable by the connector and gently, but firmly pull on the Handpiece until it comes completely off the fiber shaft. DO NOT apply excessive force. [Figure 3.5]



Figure 3.3



Figure 3.4



Figure 3.5

INSTALLING AND CHANGING THE TIP IN THE HANDPIECE

A fiber Tip is installed in the Handpiece to direct laser energy onto the target tissue. Based on the shape and length of the Tip, the laser energy will be focused differently onto the target tissue.

For specific instructions on how to install or change the Tip onto the Waterlase Express Handpiece, please refer to Section 7 of the user manual.

CAUTION: Do not drop the Tip or hit the Tip against a hard surface as this may crack or damage the Tip, making the Tip not useable. Make sure that the Tip is properly cleaned and sterilized prior to use. Use of a dirty Tip will reduce cutting efficiency and may damage the laser.

Section 4: Clinical Applications

The Waterlase Express is designed to cut and remove hard-and soft-tissues. Cutting is achieved in a contact or non-contact mode by application of direct laser energy either with or without water cooling and hydration spray. To efficiently remove tissues it helps to understand the unique nature of the Waterlase Express. The Waterlase Express operates unlike traditional medical instruments or devices and technique must be practiced and perfected to ensure efficient operation.

BIOLASE recommends anyone using a Waterlase Express to review the owner's manual provided with your system, practice on tissue models, and attend a company-sponsored training seminar before using this laser in a clinical situation.

Section 5: Maintenance

Please refer to the Waterlase Express user manual for all maintenance related items pertaining to your Waterlase Express device and accessories.

Please visit www.biolasestore.com to purchase Tips and accessories for your Waterlase Express Handpiece

HANDPIECE STERILIZATION PARAMETERS

Sterilization	Temperature	Minimum Time	Drying Time
Gravity displacement	132°C (270°F)	15 minutes	15 - 30 minutes
Dynamic-Air-Removal (Pre-Vacuum)	132°C (270°F)	4 minutes	20 - 30 minutes
	134°C (EU only)	4 minutes	20 - 30 minutes

