

Waterlase
express



BIOLASE

Waterlase Express Economy Cart
Instructions for Use

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Introduction

The Waterlase Express Economy Cart was designed for the specific and exclusive use of the Waterlase Express all-tissue dental laser system and its accessories. It has been designed for transporting Waterlase Express within the dental office environment and also to facilitate the arbitrary positioning of the laser system for optimal use.

Please contact your authorized BIOLASE representative if you have any questions or require assistance.

Section 1: Safety

Please observe the following safety instructions:

General

- Personnel working directly or indirectly with the cart and its components should read the entire instructions for use prior to operating.
- Any modifications to this cart for anything other than its designed purpose will render its warranty null and void and may result in damage to the cart or injury to the user and/or bystanders.

Operation

- When transporting the cart within the facility, care should be taken to avoid obstructions and personnel.
- All cords should be unplugged and stored in the designated cord storage area on the cart prior to movement within the facility.



Load Capacity

- Any maximum load ratings on any surfaces, basket, etc. must be strictly observed to ensure safe and trouble-free use.
- The maximum load capacity for the table top is 13 kg/28 lb.
- The total maximum load capacity for the cart is 17.5 kg/38 lb.

Infection Precaution

- Standard disinfectants, such as CaviCide, can be used to wipe down the Waterlase Express Economy Cart. However, **DO NOT** use bleach or abrasive cleaners on the Waterlase Express Economy Cart or any of its components.
- Please clean and disinfect the cart between patients.

Section 2: Unpacking and Assembly

Unpacking

The Waterlase Express Economy Cart comes in one shipping box. Use care when opening. Contents include:

A. 3 Packages of hardware (*Figure 1*)

BASE ASSEMBLY

- a.** 3/8 – 16 Hex Bolt Weldment (1 ea.)
- b.** 3/8 Large Washer (1 ea.)
- c.** 3/8 – 16 Nut (1 ea.)
- d.** 3/8 Split Lock Washer (1 ea.)

TOP PLATE ASSEMBLY

- e.** 1/4 Plastic Wing Nut (4 ea.)
- f.** 1/4 – 20 X .75L Flat Head Cap Screw (4 ea.)
- g.** 1/4 Split Lock Washer (4 ea.)

BASKET ASSEMBLY

- h.** 1/4 – 20 X 2.75L Socket Head Cap Screw (2 ea.)
- i.** 1/4 Lock Washer (2 ea.)
- j.** 1/4 – 20 Black Acorn Nut (2 ea.)
- k.** 1/4 Black Flat Washer (2 ea.)

B. Wheel Base (1 ea.)

C. Support Column with Cord Wrap (1 ea.)

D. Top Plate (1 ea.)

E. Basket (1 ea.)

F. Front Basket Bracket (1 ea.)

G. Rear Basket Bracket (1 ea.)

H. Instructions for Use (1 ea.)

You will need the following tools (not included) to assemble the Waterlase Express Economy Cart:

- Hex wrenches (5/32 and 3/16)
- Adjustable wrench

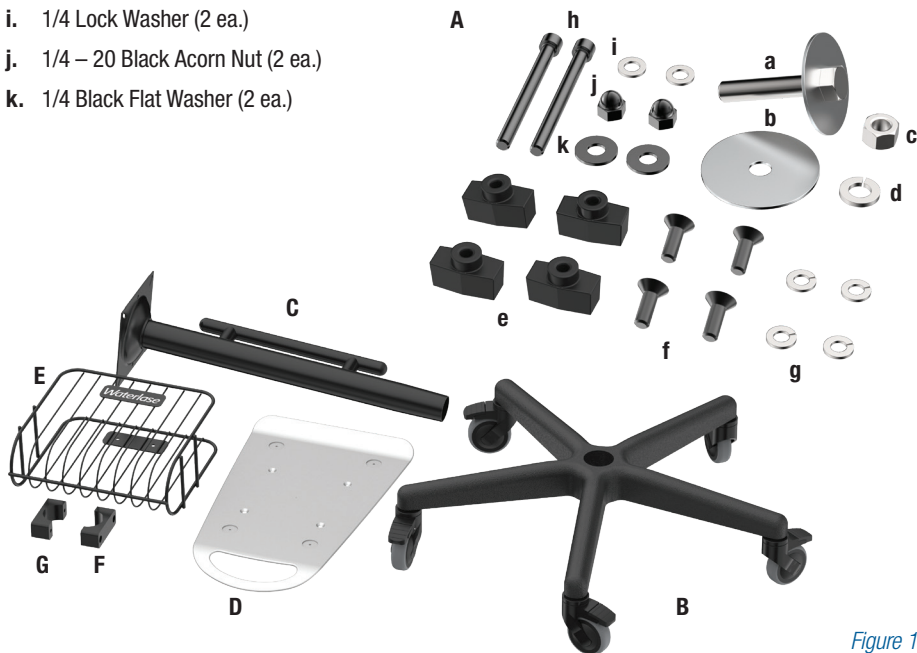


Figure 1

Assembly

1. Remove the hardware (**item A**) from the bags.
2. Hold the Support Column with Cord Wrap (**item C**) with the mounting plate facing up. Drop the 3/8 – 16 Hex Bolt Weldment (**item a**), threaded-bolt-end first, through the center hole of the Support Column lodging it in the bottom end.

[Figure 2]

3. Pull the Hex Bolt Weldment, protruding from the end of the column, as vertically straight as possible.
4. Place the Wheel Base (**item B**) on the Support Column. Place the 3/8 Large Washer (**item b**), the 3/8 Split Lock Washer (**item d**) and the 3/8 – 16 Nut (**item c**) on the protruding Hex Bolt Weldment in that order. Tighten the nut using an adjustable wrench until secure. [Figure 3]
5. Place the Top Plate (**item D**) onto the mounting plate of the Support Column with the handle facing opposite the Cable Winder Rod, matching up the holes. Insert the four 1/4 – 20 X .75L Flat Head Cap Screws (**item f**) through the holes on the top of the Top Plate. Secure the plate by attaching the 1/4 Split Lock Washers (**item g**) and 1/4 Plastic Wing Nuts (**item e**). Using a 5/32 hex wrench to hold the screws in place, hand-tighten the Wing Nuts until snug. [Figure 4]

6. Place a 1/4 Lock Washer (**item i**) on each 1/4 – 20 X 2.75L Socket Head Cap Screw (**item h**). Attach the Storage Basket (**item E**) slightly above the middle of the Support Column by inserting the 1/4 – 20 X 2.75L Socket Head Cap Screws through the Rear Bracket (**item G**), Front Bracket (**item F**) and the basket. While holding the Brackets and basket in place with one hand, attach the 1/4 Black Flat Washers (**item k**) and 1/4 – 20 Black Acorn Nuts (**item j**) to both Socket Head Cap Screws protruding through the inside of the basket. Using a 3/16 hex wrench to hold the screws in place at the Rear Bracket, tighten the Black Acorn Nuts with an adjustable wrench until they are tight. [Figure 5]



Figure 2



Figure 3



Figure 4



Figure 5

Section 3: Waterlase Express Installation

Once the cart has been assembled, it is ready to receive the Waterlase Express for which it was designed.



CAUTION: Installation of equipment should only be done when the cart is on a smooth, level surface with all five (5) wheel casters locked.

- **Waterlase Express** – Set the laser console on the table top facing in the same direction as the cart front. Care should be taken to observe that there are four (4) debossments in the Table Top surface intended for the feet of the laser console, which allows it to sit securely on the table top, ensuring optimal safety. *[Figure 6]*
- **Cable Winder Rod** – The power cord for the laser console should be installed according to the instructions in the Waterlase Express User Manual. Wind the power cable around the cable winder rod at the back of the cart until secure, prior to the cart being transported.
- **Storage Basket** – The basket is for the exclusive use of components and accessories to be used with the laser. The maximum load should be observed for optimal functionality.



Figure 6

Section 4: Warnings and Precautions

Tilt Stability

Care has been taken in the design and manufacture of this cart to ensure maximum safety and stability when handled properly. It has been tested with the maximum load so that it will not tip when on an inclined surface at an angle of 10 degrees. The maximum load is specified on the label located on the rear of the table top and in Section 1. The operator should have the cart in their manual control at all times during transport, and should never be pushed or pulled without complete control. Failing to observe this may result in injury or damage to the cart and equipment. Additional care should be taken when transporting over thresholds, cords, or any other obstructions.

Locking Wheel casters

The Waterlase Express Economy Cart has been fitted with five (5) wheel casters with brakes on each. The brakes should be in the locked position to ensure maximum stability at all times. However, all brakes should be unlocked prior to any attempt being made to move the cart. Transporting the cart with any of the brakes in the locked position may cause the cart to tilt, possibly resulting in injury or damage to the cart and equipment.

Section 5: Features and Operation

A number of features have been designed into the Waterlase Express Economy Cart for ease of use.

Front Storage Basket

At the front of the cart, you will find a storage basket. The purpose of this basket is for convenient storage and access of your wireless foot control and accessories for your Waterlase Express. [Figure 7]



Figure 7

Cable Storage Winder Rod

On the rear of the cart is a cable winder rod, onto which the power cord is stored. [Figure 8]

- Grasp the cord from the rear of the laser console and route the cable down the back of the cart until the cord reaches the bottom of the winder rod.
- Loop the cord underneath the winder rod and route the cord upwards to the top winder.
- Loop the cord over the top of the winder rod and repeat until the cord is completely stored.
- To remove the cord, reverse the above process.



Figure 8

Wheel Casters

There are five (5) locking wheel casters located on the bottom of the cart. The casters should be kept locked at all times when the cart is not being moved for maximum stability.

- To lock the caster, depress the brake lever located at the top of the caster until it clicks. [Figure 9]
- To unlock the caster, depress the back of the brake lever located at the front of the caster until it clicks off. [Figure 10]



Figure 9



Figure 10



CAUTION: Use care when pushing or pulling the cart. Never push or pull the cart when the wheels are locked.

Section 6: Technical Data

Load Capacity

Table top payload	13 kg/28 lb
Storage basket payload	4.5 kg/10 lb
Total payload	17.5 kg/38 lb

Weight

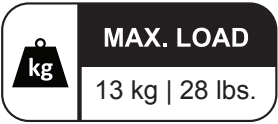
Empty	10 kg/22 lb
With payload	27.5 kg/60 lb
(cart + maximum payload)	

Section 7: Labels



Product ID Label

Location: Back of cart, above cable storage winder rod



Max Load Table Top Label

Maximum load allowed on the table top. Location: Back of table top

Section 8: Service, Warranty and Liability

Service

Should the Waterlase Express Economy Cart require service, it must be shipped back to the manufacturer. Should the Waterlase Express Economy Cart need to be disposed, please dispose in accordance to local regulations.

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 laser system(s) or any BIOLASE materials.

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