



# BLADEX™ INSTRUCTION MANUAL

## SYSTEM OVERVIEW

1. The Bladex System consists of the following major components: a blade exchanger which replace a used blade with a new blade; 2. a blade cartridge containing new blades, and 3 a scalpel handle that holds a scalpel blade.



Fig. 1 A system

2. Understand the handle: The following figure shows the structure of the Bladex handle,

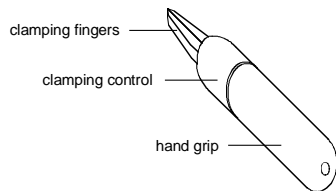


Fig. 2 Bladex Safety handle

When the grip is turned 90° count-clockwise, the two clamping fingers opens which allows detaching the blade; when grip is turned 90° clockwise, two fingers close enable the handle firmly clams the blades.

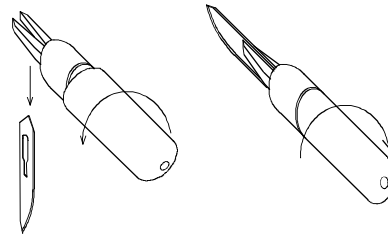


Fig. 3 Opening and closing clamps

3. Understand the blade cartridge: The next figure shows the structure of a typical bladex cartridge.

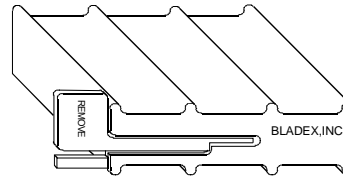


Fig. 4 The Cartridge

Each cartridge contains either #60, #22, #25 standard scalpel blades.

## INSTALLATION

### Installation On Bench Top

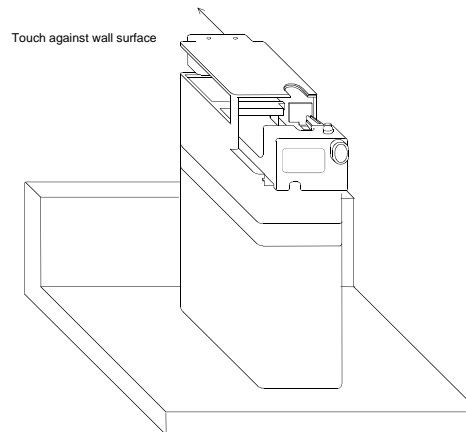


Fig. 5 Install Bladex on a bench top

As shown in Fig. 5, place the device on a large flat bench top, make sure the device back is in touch against wall.

### Installation On a Wall

1. Use 4 screws to secure the wall-mount bracket on the wall.

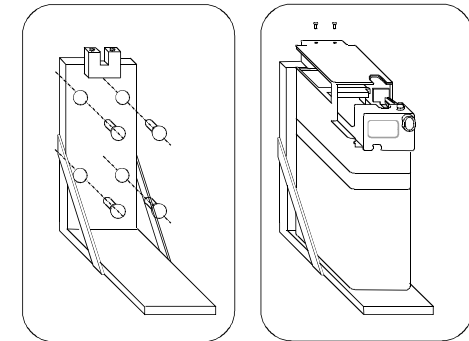


Fig. 6 Install Bladex on a wall surface

2. Remove the device from shipping box, take away all the packing cushion pieces.
3. Place the device on the bracket, and use two screws to secure the device with the bracket.

### BEFORE CHANGING BLADES

Remove the cover tab from new cartridge,

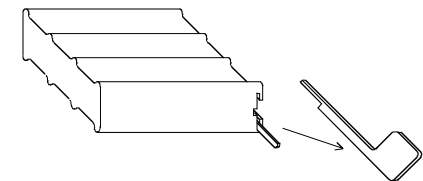


Fig. 7 Remove the cover tab

then insert the cartridge into the device as shown next.

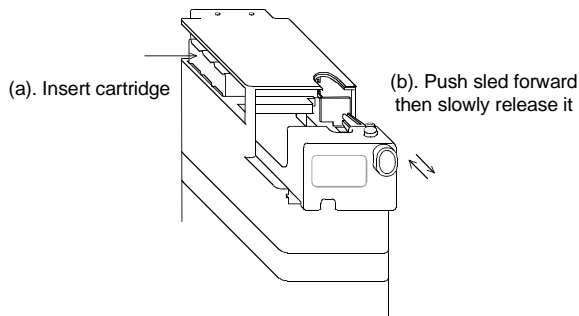


Fig. 8 Insert Cartridge

To activate the first blade to be positioned for use, push the moving sled of the device forward once till it is stopped, then slowly release the sled (also see Fig.8).

Changing Blades

Step 1 -- Insert Handle and Turn 90 Counter Clockwise

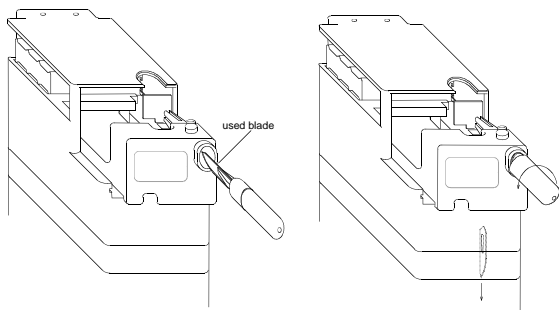


Fig. 9 Changing blade – 1<sup>st</sup> step

Now, the used blade shall drop into the sharps container as shown in Fig. 9.

Step 2 – Push forward and Turn 90° Clockwise

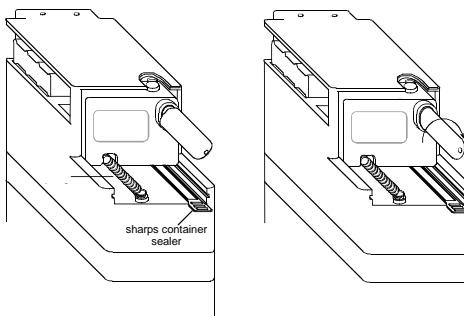


Fig. 10 Changing blade -2<sup>nd</sup> step

After the handle is turned 90° clockwise, a new blade is engaged into the handle clamps.

Step 3 – Pull out handle with a new blade.

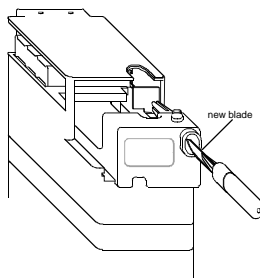


Fig. 11 Changing blade – 3<sup>rd</sup> step

DISPOSE THE DEVICE

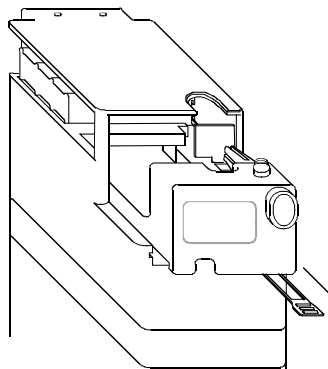


Fig. 12 Dispose the Device when it's full

When the Sharps Container is Filled Up with Used Blades

CAUTION

1. If the scalpel handle is pull out without a fresh blade, usually, it indicates that the cartridge is empty.
2. It is recommended that when an abnormal situation appears, follow the next steps for trouble shooting:
  - (a) Pull out the handle.
  - (b) Take the cartridge out.
  - (c) Make sure the blades are aligned well in the cartridge and reinsert.

CONTACT BLADEX INC.

Technical support group of Bladex can be reached by calling 626-840-7639/626-372-2643 or through email at [tech\\_support@bladex.net](mailto:tech_support@bladex.net).

WARRANTY

Bladex, Inc. warrants its products to be free from defects in material and workmanship for one year, subject to normal usage and care condition, following the date of shipment. This warranty is limited to the original purchaser of the products and is not transferable.

During the one-year warranty period, Bladex will repair or replace, at its discretion, any defective products or parts at no additional charge, provided that the product is returned, shipped, and prepaid, to Bladex, Inc. Before returning any products for repair or replacement, customers are required to contact the company for a RAN.



### INSTRUCTIONS FOR USE Bladex

### Stainless Steel Handle (Model HNDL3)

#### 1. Structure of the Handle

The structure of the Bladex Stainless Steel Handle (HNDL3) is shown in Fig.1.

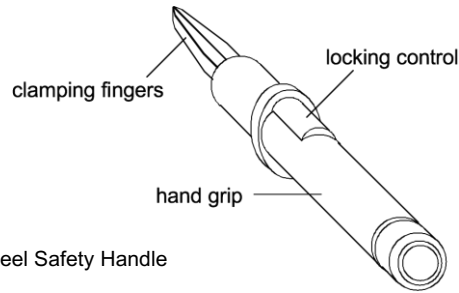


Fig. 1 Stainless Steel Safety Handle

When the handle is inserted into the blade exchanger, turning the grip counterclockwise will make the two clamping fingers open allowing detachment of the blade; conversely, turning the grip clockwise will close the clamping fingers, enabling the handle to firmly hold a blade.

As shown in Fig.1, there are two locking control buttons. In order to open the clamping fingers, these two locking buttons need to be pressed as shown in Fig. 2.

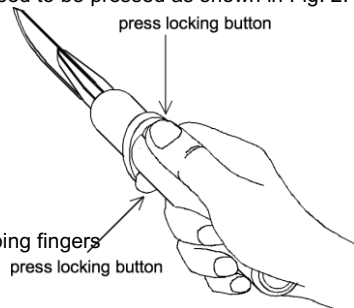


Fig. 2 Press locking buttons to open clamping fingers

Now, the clamping fingers are open and the used blade drops into the sharps container, as demonstrated in Fig. 2.

**Step 2** To attach a fresh blade push the sled forward and turn clockwise as shown in Fig. 5

#### 2. Changing Blades

\*Please remember that after putting a new cartridge into the device, you must push the sled forward with your hand and release gently in order to place the first blade in the cartridge into its stand-by position. Please refer to our Bladex Safety Exchanger Manual for more information.

Follow these next steps to exchange your blades:

**Step 1** – To discharge a used blade, insert the handle as shown in Fig.3.

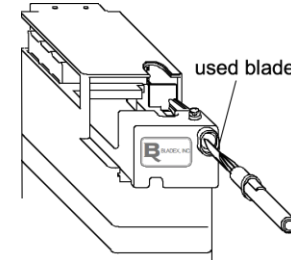
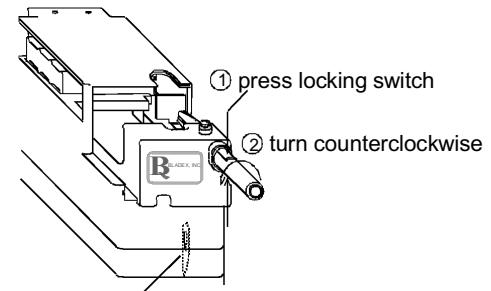


Fig. 3 Step 1: Insert handle with used blade

After the handle is inserted into the device, press the locking switch buttons, then turn the handle counterclockwise as shown in Fig.4.



3 used blade drops  
Fig.4 Used blade discharge

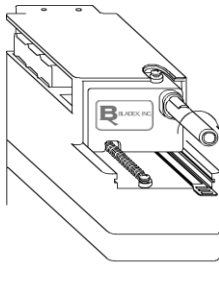


Fig. 5 Attaching a new blade

After the handle is pushed forward and turned clockwise, a new blade is engaged into the handle and two clamping fingers firmly hold it.

**Step 3** – Finally, pull out the handle with a new blade.

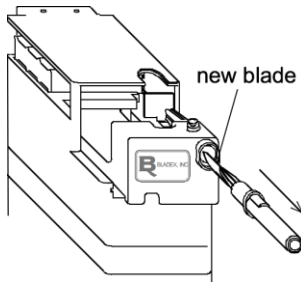


Fig. 6 Pull out the handle with a new blade

Now, the handle will have a fresh blade attached to it, see Fig.6.

### 3. Important Notes:

- (1) Always turn the handle counterclockwise (to open the clamping fingers, see Fig. 7) before pushing the sled forward (step 2).

In other words, once the handle is inserted into the device, you have to turn the handle counterclockwise to drop the used blade before pushing the sled. See Fig.2.

- (2) If the scalpel handle is pulled out without a fresh blade, this usually indicates that the cartridge is empty.
- (3) It is recommended that when an abnormal situation appears, follow these next steps for trouble shooting:
  - (a) Pull out the handle.
  - (b) Take the cartridge out.
  - (c) Make sure the blades are aligned well in the cartridge and reinsert.

### 4. MAINTENANCE

- (1) The handle should be rinsed as soon as possible after use to remove blood, fluid, and tissues. Warm running water is recommended.
- (2) Handles should be thoroughly dried after cleaning and before storing. Prolonged moisture left in the handle can cause rust or corrosion to develop.
- (3) Do not leave the handle in sterilization soak solutions for extended periods, as these solutions tend to be corrosive.
- (4) The scalpel receptacle (where the handle is inserted when changing blades) needs to be replaced or cleaned periodically or whenever it seems excessively contaminated. To take the receptacle off the blade exchanger, unscrew the receptacle from the top of the sled and pull it out of the blade changer.



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open fingers before  
pushing sled forward

Fig.7 Always open the fingers before pushing sled forward

