V12
FIBER CLEAVER

INNO INSTRUMENT
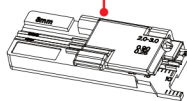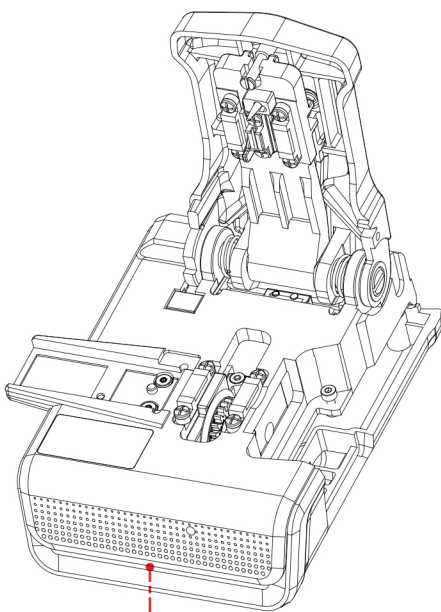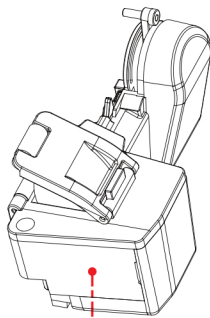
Operation Manual
v.1.0

Single Fiber Holder
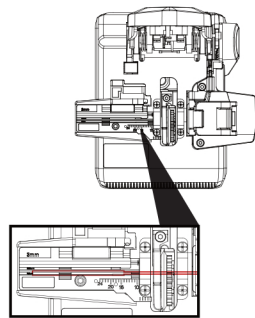
Main Body

Automatic Fiber Collector

Cleaver Operation

① Single Fiber Holder
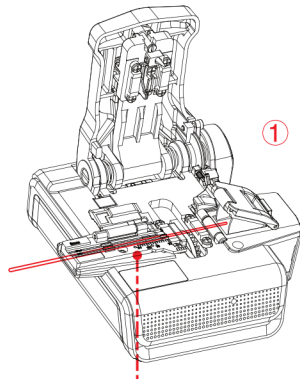
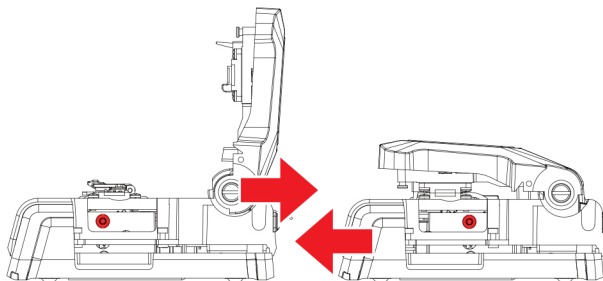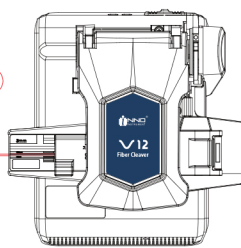1. Open the fiber holder lid

②

2. Place the fiber in the appropriate groove and adjust its position for the required cleave length

Tip: To achieve 16mm cleave length, the edge of the fiber coating should align with the 16mm marking on the ruler

③

3. Cleave the fiber by closing the lid/cover of the cleaver. The shard should be automatically collected into the trash bin

Cleave and Reset

Fiber cleaved length:

Clad	Coating
Length	Length

Safety warnings and precautions

Thank you for choosing V12.
To ensure safe and effective use of this device, it is essential to thoroughly read and understand this manual before operation.

Important Safety Warning:
Failure to adhere to the guidelines in this manual may result in personal injury or damage to the product.

Precautions:

1. **Do Not Disassemble or Lubricate:** Attempting to disassemble or apply oil to the main body of the cleaver can lead to product damage.
2. **Handle with Care:** Dropping or subjecting the cleaver to impact can impair its functionality.
3. **Blade Safety:** Avoid contact with the blade. Touching the blade can cause injury and may damage the blade.
4. **Fiber and Shard Management:** Fibers and shards are hazardous. Promptly clean and dispose of any debris to prevent accidents.
5. **Disposal of Fiber Debris:** Ensure proper disposal of fiber shards. Have the bin ready for safe disposal.
6. **Service and Support:** In case of any operational issues, cease use immediately and contact the INNO Service Center for assistance.

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Product Specification

Cladding diameter	125um
Number of Core	Single(φ0.25 to0.9mm and 2 to 3 mm and drop cable) up to 16 Ribbons
Cleaved length	5 mm(≤250 um coating diameter) 10 mm(>250 um coating diameter)
Dimensions	H: 55.0 W: 103.5 D:106.5 mm
Weight	319g

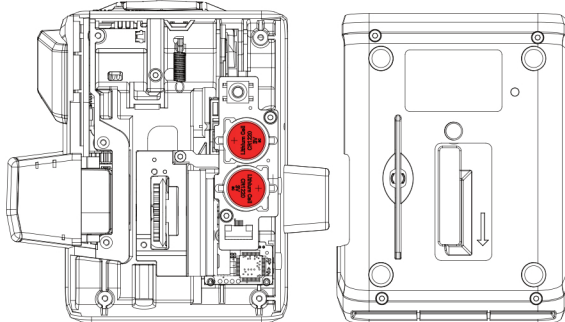|	
Cleaver	1
Operation Manual	1
1.5mm(1/16")Hex Wrench	1
Flat-head Screwdriver	1
Cleaver Case	1
Brush	1

Optional Accessory

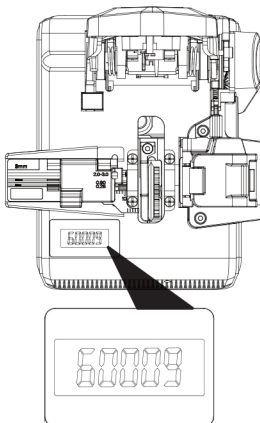|	
Blade	B80
Fiber Holder	CFH-40

Battery Replacement
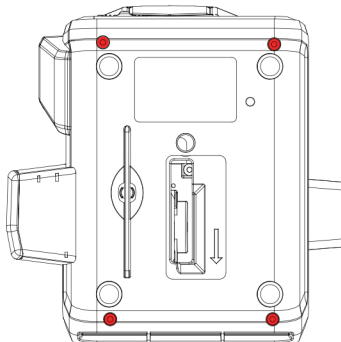
1.Use the 1.5mm L-shaped wrench to unscrew the 4 screws on the bottom and remove the cover
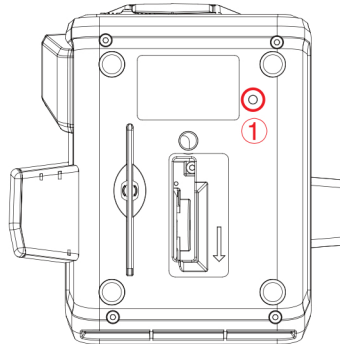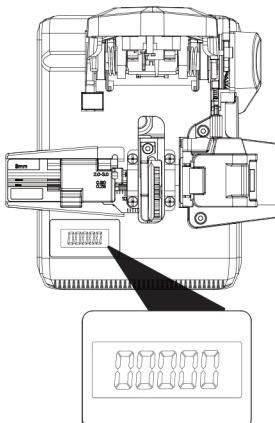
2. After replacing the batteries (marked in red), reinstall the cover and tighten the screws (point 1)
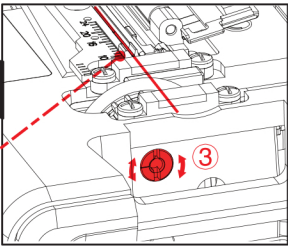

Counter Reset

Before reset   After reset
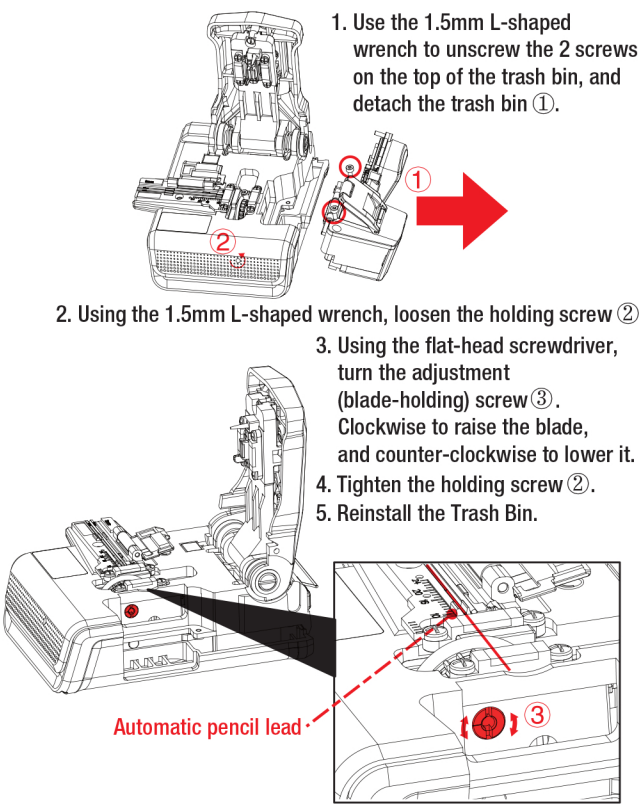
①

1. Insert the 1.5mm L-shaped wrench into the slot ①, press and hold for 3 seconds. The counter will be reset to 0
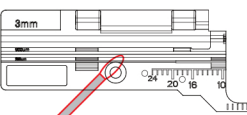

Blade Height

1. Use the 1.5mm L-shaped wrench to unscrew the 2 screws on the top of the trash bin, and detach the trash bin ①.

2. Using the 1.5mm L-shaped wrench, loosen the holding screw ②.

3. Using the flat-head screwdriver, turn the adjustment (blade-holding) screw ③, Clockwise to raise the blade, and counter-clockwise to lower it.
4. Tighten the holding screw ②.
5. Reinstall the Trash Bin.

Automatic pencil lead

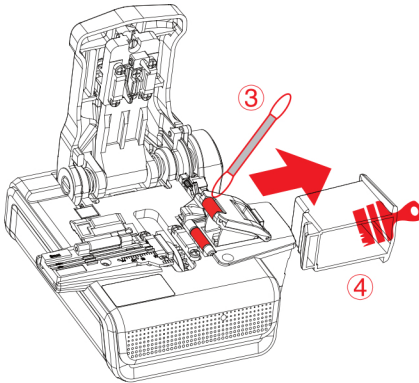## Maintenance

To ensure stable and consistent operation, the cleaver should be kept free of contamination.

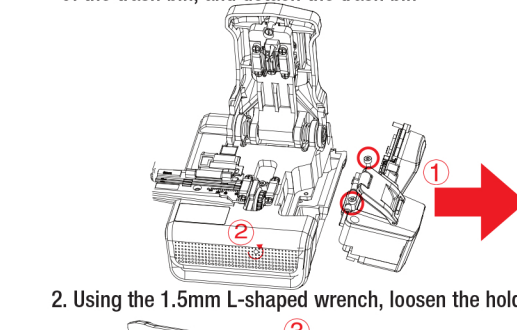Using a cotton swab with alcohol (IPA), clean components ①-④.

The grooves of the fiber holder should be free of any debris or residue.
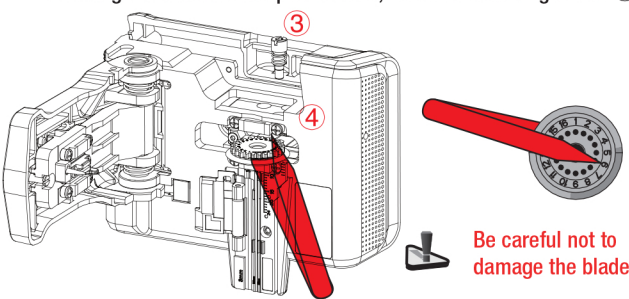

Blade Replacement

1. Use 1.5mm L-shaped wrench to unscrew the 2 screws on the top of the trash bin, and detach the trash bin

2. Using the 1.5mm L-shaped wrench, loosen the holding screw ②

Be careful not to damage the blade.

3. Unscrew the blade-holding screw ③ with the flat-head screwdriver and remove the screw.
4. Remove the blade.
5. Reinstall the blade gear onto the new replacement blade.
6. Reassemble the blade and install the trash bin.
7. Make sure to tighten the screws (3 and 2, in order).
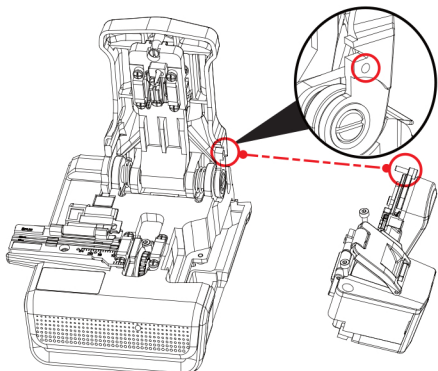

Blade rotation
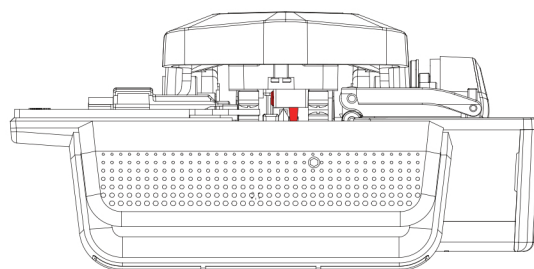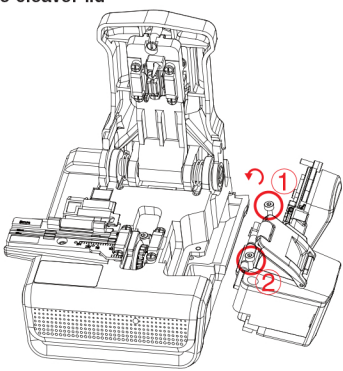
Auto Blade Rotation Mode
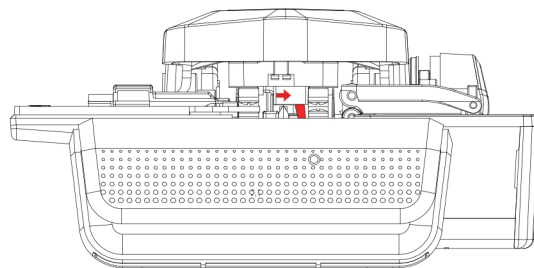
Manual Blade Rotation Mode

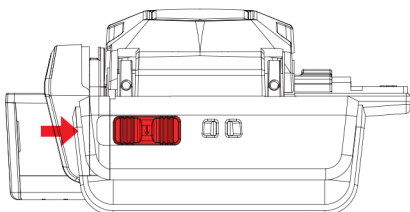---

Fiber Collector Assembly

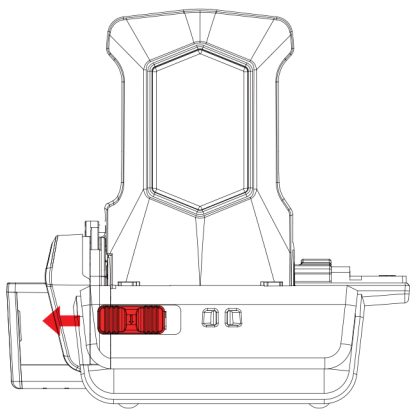1. Make sure the Fiber Collector Lever is attached to the cleaver lid

2. Use the 1.5mm L-shaped wrench to do or undo the 2 screws on the top of the trash bin, and attach or detach the trash bin
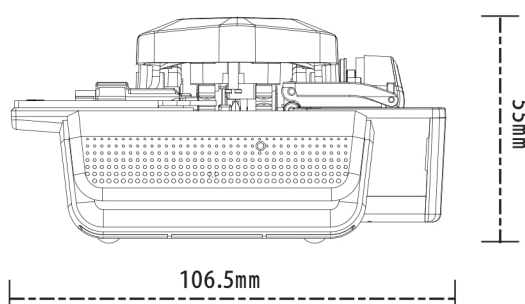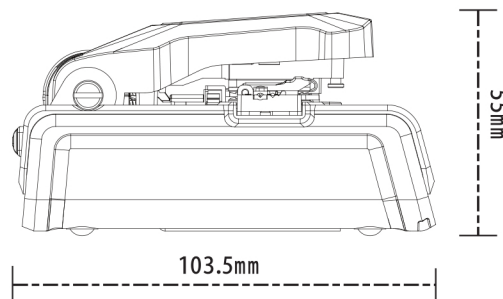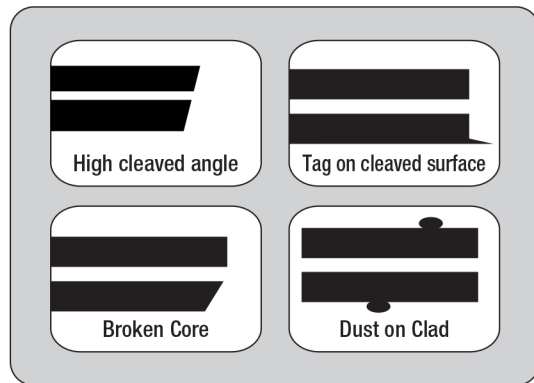

Cleaver Lock

Lock

Unlock

55mm

103.5mm

55mm

106.5mm

Troubleshooting

High cleaved angle   Tag on cleaved surface

Broken Core   Dust on Clad

If you encounter cleaving problems, consider these common issues and solutions:

1. **Fiber Placement:** Ensure the fiber is properly and straightly placed.
2. **Blade Height:** Adjust the blade to the correct height.
3. **Holder/Clamp Dust:** Clean any dust from the holder and clamp.
4. **Fiber Dust:** Re-strip and clean the fiber with alcohol.

For further assistance, contact the INNO Service Center.