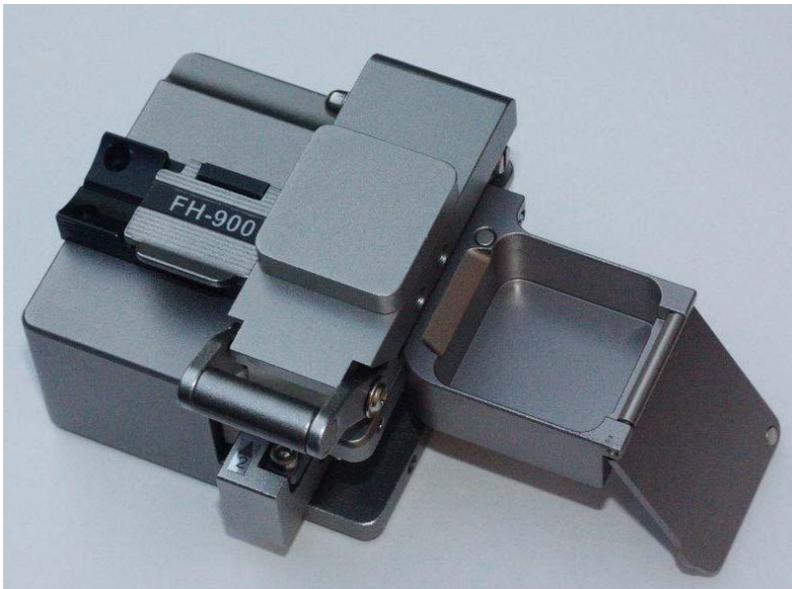


## 910CL Optical Fiber Cleaver User Manual

### Warning

1. Read this manual carefully before operating.
2. Collect all fiber scraps in the dust bin and dispose of them in an approved fiber disposal unit.
3. Do not touch the cleaving wheel blade cutting area.
4. Do not disassemble or lubricate. Please contact Greenlee for maintenance and repairs.
5. Store in a dry, clean location in the protective pouch.



### Specifications

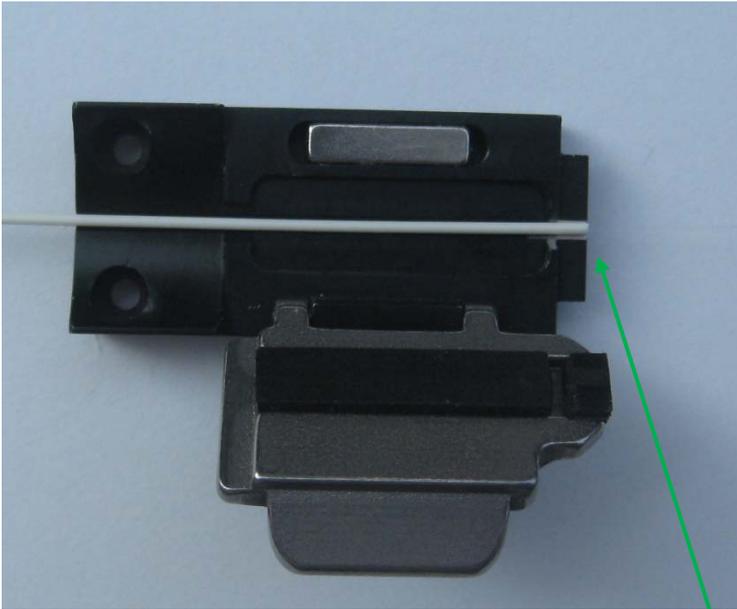
Model	910CL
Fiber Type	Single & Multimode fiber
Fiber Size	0.25/0.9/3mm (Fiber holder replaceable)
Coating Diameter	125 $\mu$ m
Cleaved Length	10mm
Cleaved Angle	$\leq 0.5^\circ$
Blade Life	16,000 cleaves
Mode	Semi-automatic
Dimensions (H×W×D)	54×58×58mm
Weight	310g

\* Specifications subject to change without notice

## Operation

1. Open fiber clamp mechanism and pull fiber cleaving wheel mechanism back towards yourself.
2. Place the fiber to be cleaved in the desired fiber adapter.
3. Close the fiber clamp mechanism.
4. Push the cleaving wheel mechanism away from yourself to cleave the fiber.
5. Open the fiber clamp mechanism.
6. Make sure that the cut fiber end is safely in the dust bin.
7. Remove the adapter with the cleaved fiber from the cleaver.
8. Place the adapter with the cleaved fiber into the 910FS for splicing.

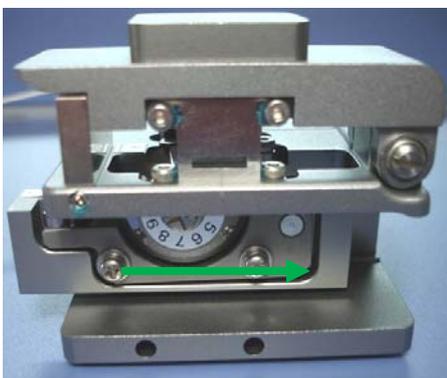
NOTE: There is no need to remove the cleaved fiber from the fiber adapter after the cleaving operation.



Load 900u fiber into the adapter so that the buffer is flush with the end of the adapter.

HINT: It is easier to load the fiber into the adapter if the fiber is curled in a downward direction from the fiber clamp.

Cleaving Start Position



Cleaving Finished Position



Note: Dust bin is removed for these photos.

## Normal Use and Maintenance

Make sure that the rubber presser foot and the fiber guide groove are clean (no dust and fiber debris). Keep the fiber contact surfaces clean by using isopropyl alcohol with a lint free cleaning wand. Change the position of the cleaving wheel if the cleaving quality degrades due to the blade being worn (usually 1000 cleaves per blade position).

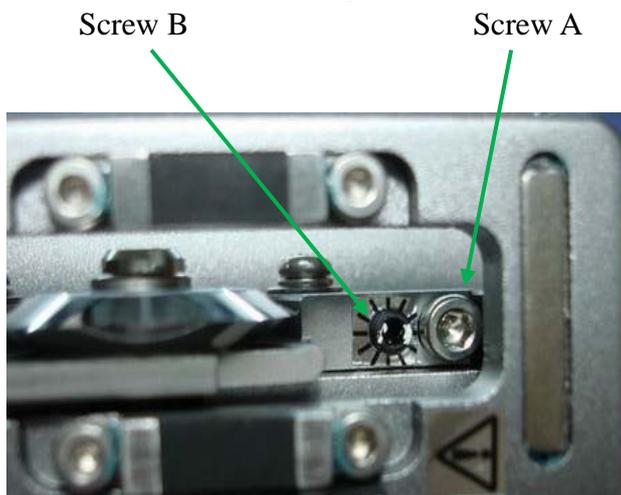
## To Change Blade Position

- a) Loosen the compression screw of the cleaving wheel.
- b) Rotate the cleaving wheel to the next scale number (generally there are 12 or 16 positions).
- c) Hold the side face of the cleaving wheel and relock the screw to complete the adjustment.



## Adjusting the Height of the Cleaving Wheel

- a) Loosen Screw "A".
- b) Adjust Screw "B" to either lower or raise the height as desired.
- c) Tighten Screw "A" to lock the position.



## Replacing the Cleaving Wheel

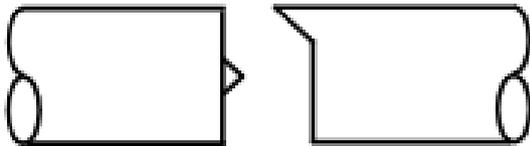
- a) Remove the compression screw and gasket of cleaving wheel.
- b) Remove the cleaving wheel.
- c) Insert new the cleaving wheel using the screw and gasket.

Note: DO NOT touch the cleaving wheel cutting edge.

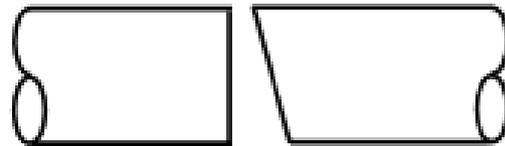
## Troubleshooting Chart

Failure Mode	Cause and Solution
Fiber does not cleave	<ol style="list-style-type: none"><li>1. Acrylic coating not removed from fiber</li><li>2. Fiber surface not clean</li><li>3. Clean rubber presser feet</li><li>4. Increase the height of cleaving wheel</li></ol>
The end face has lip	<ol style="list-style-type: none"><li>1. Increase the height of cleaving wheel</li><li>2. Clean rubber feet</li><li>3. Check the rubber feet for wear or abrasion</li></ol>
The end face has shadow or incline angle	Increase height of cleaving wheel
Core missing	Lower the height of cleaving wheel

Lip



Incline



- Please contact Greenlee if the above does not provide you with a solution to attaining a reliable cleave.