

Please read and observe all warnings instructions given in this operation manual.

This symbol indicates explanations about dangerous matters. If users ignore this symbol and handle the cleaver the wrong way, bodily injury and

Caution damage to the cleaver could result.

- 1. Do not disassemble or lubricate any parts of the cleaver. Doing so could cause serious damage to the cleaver.
- 2. The FC-6 is a precision tool. Do not impact the cleaver by hitting or dropping it. Doing so may cause personal injury and loss of cleaving performance.
- 3. Glass fiber fragments are extremely sharp. Handle with care. Wear safety glasses at all times during cleaving operation for protection from glass fibers.
- 4. Discose of glass fiber fragments properly.
- 5. The blade of the cleaver is extremely sharp. Do not touch it with bare hands. 6. Do not impact the top clamp lever. Doing so could cause damage to the cleaver and loss of cleaving performance.
- 7. If the cleaver is damaged or a problem occurs, please contact our maintenance service center.

1. General

Specification

	FC-6M / FC-6M-C	-
Cladding Diameter	125µm	
Fiber Count Coating Diameter	Single fiber (0.25 & 0.9mm) Up to 12-fiber ribbon	
Cleave length	10mm	
Dimensions	FC-6M: 63(W)x76(D)x63(H)mm FC-6M-C: 100(W)x81(D)x63(H)mm	
Weight	FC-6M: Approx. 380g FC-6M-C: Approx. 420g	
	FC-6S / FC-6S-C	
	105	
Cladding Diameter	125µm	
Fiber Count	Single fiber (0.25 & 0.9mm)	
Cladding Diameter Fiber Count Coating Diameter Cleave length		
Fiber Count Coating Diameter	Single fiber (0.25 & 0.9mm) 5~20mm (0.25mm)	

Standard package

	FC-6M	FC-6M-C	FC-6S	FC-6S-C
Optical Fiber Cleaver FC-6	1 pc	1 pc	1 pc	1 pc
Carrying case	1 pc	1 pc	1 pc	1 pc
Operation Manual	1 pc	1 pc	1 pc	1 pc

Optional accessories / Consumables

	FC-6M	-	and the second	FC-6M-C
		Fiber o	fber adapter: Af ff-cut collector: (ement blade: FC	CU-FC6
. 2	FC-6S	Tteplac		FC-65-C
			ff-cut collector: (ement blade: FC	



5: Open the top clamp lever. Then open the lid of the single fiber adapter and lift the newly cleaved fiber. Lift the off-cut and dispose it properly. (The FC-6S-C automatically collects an off-cut in the off-cut collector.)



1



3: Place a mechanical pencil lead or a light stick on the clamps. Slide the blade carriage back and forth and turn the blade height adjustment screw. The point where the lead barely touches the edge of the blade is a reference point (0µm).



4: Turn the blade height adjustment screw clockwise by more 4 to 6 marks from the reference point.





 Do not make the blade too high. Doing so will damage the anvil and increases the chipped fiber ends.

5: Tighten the blade height locking screw.

[Reference] Optimum torque: Approx. 0.59N·m (6kgf·cm) 6: Tighten the 2 cross head screws.

[Reference] Optimum torque: Approx. 0.98N·m (10kgf·cm)

(0: For FC-6S(M)-C, remove the off-cut collector first.)
1: Unscrew the blade setscrew.
2: Remove the blade with tweezers.

Blade replacement



 The edge of a blade is manufactured precisely. If the edge is hit against metallic objects, it will crack, resulting in poor cleaving performance. Handle with care.

• When using metallic tweezers, be careful not to damage the blade.

- Do not touch the blade with hands. Use gloves.
- Dispose of the old blade properly.

3: Insert a new blade in the cleaver so that "1" of the number sticker is in the top position. The hole of the blade should be aligned with the hole of the blade receptacle.



4: Tighten the blade setscrew completely, while pressing the side of the blade. [Reference] Optimum torque: Approx. 0.98N·m (10kgf·cm)



5: Adjust the blade height, referring to "Blade height adjustment" at page 2.

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3



To keep the FC-6 in excellent quality and performance and eliminate the need for blade height adjustment, only use a Sumitomo genuine replacement blade.

Warning 1: The use of a non-Sumitomo genuine blade can cause blade replacement and height adjustment to fail. The FC-6 is designed so that the special blade-setscrew can eliminate the need for blade height adjustment after blade position change.

Therefore, there is a possibility that a non-Sumitomo genuine blade cannot be fitted in the FC-6. The blade height adjustment screw (circled in the picture below) is also designed in accordance with precision of the Sumitomo genuine replacement blade. The use of a non-Sumitomo genuine blade can cause blade height adjustment to fail.

