

# CT52 Fiber Cleaver

The CT52 cleaver is designed for use with Fujikura factory model fusion splicers. Modified clamping pads on the CT52 allow for shorter cleave lengths with fiber coating >250 µm. The CT52 provides unprecedented durability and simplistic maintenance unseen with any other cleaver. Cleaver blade life is easily managed and maximized via Bluetooth connection with a convenient smartphone app. Incorporating motorized push-button blade rotation and a convenient thumbwheel for blade height adjustment, routine cleaver adjustments have never been easier! The 16 position blade yields 60,000 cleaves providing for extended intervals between blade replacement. The CT52 is designed for use with either Fujikura FH-100 or FH-70 series fiber holders, but can also be used with the optional adapter plate to eliminate the need for fiber holders if desired. When utilized with the optional spacers for the cleaver and RS series thermal stripper, six different cleave lengths can be easily attained.



Bluetooth®

## Specifications

Item		Value
Applicable Fiber	Fiber type	Single-mode optical fiber Multimode optical fiber
	Fiber count	Up to 12 fiber ribbon
	Cladding dia.	Approx. 125 µm
Applicable Coating	Fiber plate	AD-10-M24 : Max. 900 µm coating diameter AD-50 : Max. 3 mm coating diameter
	Fiber holder	Coating shape. : Refer to splicer fiber holder options
Cleave Length	Fiber plate	CD = Coating Diameter AD-10-M24 3 to 20 mm for CD ≤ 250 µm 8 to 20 mm for CD 251 – 400 µm AD-50 CD= 250 µm or less : 3 to 20mm 250 µm < CD < 1000 µm : 8 to 20 mm 1000 µm < CD < 3 mm : 14 to 20 mm
	Fiber holder	See Cleaver Selection table on next page
Cleave Angle	Single fiber	Avg. 0.3 to 0.9 degrees
	Fiber ribbon	Avg. 0.3 to 1.2 degrees
Blade Life		Approx. 60,000 fiber cleaves
Physical description	Dimensions W	Approx. 120 mm when closing the lever
	Dimensions D	Approx. 95 mm when closing the lever
	Dimensions H	Approx. 58 mm when closing the lever
	Weight	Approx. 305 g including battery and AD-10-M24
Environmental condition	Temperature	Operate : -10 to 50°C Storage : -40 to 80°C
	Humidity	Operate : 0 to 95% non-condensing Storage : 0 to 95% non-condensing
Battery		2 pieces of LR03/AAA dry battery
Wireless interface		Bluetooth 4.1 LE
Screw hole for tripod		1/4-20UNC
Other features	Blade rotation	Motorized rotation Manual rotation dial
	Replaceable parts	Blade
		Clamp arm



Shown in CC-37 Carrying Case

## Features

- Motorized blade rotation
- Bluetooth communication
- Shock resistant
- Simple one-step operation
- 60,000 cleave blade life
- Field serviceable



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## Cleaver Selection

STRIPPER	CLEAVER	CLEAVE LENGTH
RS02/03	CT52/58 with SPA-CT08-08	3 mm
RS02/03 with SPA-RS02-08		8 mm
HTS-12	CT52/58 with SPA-CT08-09	4 mm
		9 mm
SS03	CT52/58 with SPA-CT08-010	5 mm
		10 mm

## Ordering Information

Description	Application	AFL No.
<b>CT52 includes:</b> CT52 cleaver, SPA-CT08-09 cleaver spacer, hex wrench, carrying case and instruction manual	Single Fibers: 125 μm cladding	S017078

## Accessories

Description	AFL No.
CB-08 Replacement Blade	S017076
CC-37 Transit Case	S017077
AD-10-M24 Adapter Plate	S017335
SPA-CT08-10 Spacer	S017011
SPA-CT08-09 Spacer	S017390
SPA-CT08-08 Spacer	S017391
ARM-CT52-01 Replacement Arm Set	S017388
FDB-05 Fiber Dust Box	S017121
BRW-CT08-01 Blade Rotary Wheel	S017110
SC-CT50-01 Side Cover	S017108

**Splice+** is a smartphone application that works in cooperation with Fujikura's splicers, cleavers and ribbon fiber strippers which have Bluetooth capability.

Get the **Splice+** app at the Apple App store or at Google Play.

