

# **HIGH PRECISION FIBER CLEAVER**

CT-103/104/107  
CT-03/04/07

The Very Best for Single and Mass Fiber Cleavings



 **Fujikura**

# Specifications Other than a complete cleaver, just an adapter plate or a cleaver base is also available.

## (1) Complete High Precision Fiber Cleaver

| Cleaver Model No.<br>(Adapter Plate and Cleaver Base) | Conventional Complete Cleaver |       |       | Enhanced Complete Cleaver |        |        |
|---|-------------------------------|-------|-------|---------------------------|--------|--------|
|   |                               | CT-03 | CT-04 | CT-07                     | CT-103 | CT-104 |
| Adapter Plate Model No.                               | AD-03                         | AD-04 | AD-07 | AD-03                     | AD-04  | AD-07  |
| Cleaver Base Model No.                                | CT-04B                        |       |       | CT-100B                   |        |        |

## (2) Adapter Plate only

| Adapter Plate Model No.     | AD-03    | AD-04 | AD-07   |         | AD-03    | AD-04 | AD-07   |         |
|-----------------------------|----------|-------|---------|---------|----------|-------|---------|---------|
|                             |          |       | Guide A | Guide B |          |       | Guide A | Guide B |
| Cleaved Length (mm)         | 16       | 6-16  | 6-20    | 10-20   | 16       | 6-16  | 6-20    | 10-20   |
| Fiber Coating Diameter (mm) | 0.25-0.9 | 0.25  | 0.25    | 0.9     | 0.25-0.9 | 0.25  | 0.25    | 0.9     |
| Cladding Diameter (microns) | 125      | 125   | 125     | 125     | 125      | 125   | 125     | 125     |

## (3) Cleaver Base only

| Cleaver Base Model No.   | Conventional Base  |  | Enhanced Base  |  |
|--|--|--|--|--|
|  | CT-04B   |  | CT-100B  |  |
| Applicable Fiber Cladding Material   | Conventional silica  |  | Titanium (Ti) doped silica as well as conventional silica  |  |
| No. of Scriber Blade's Height Positions  | 1<br>Only one for silica cladding  |  | 2 (Switchable)<br>"T" and "S" positions for Ti doped silica and conventional silica claddings respectively |  |
| No. of Scriber Blade's Rotational Positions                                    | 8  |  | 12   |  |
| No. of Cleavings per Position  | 1,000  |  | 1,000  |  |
| Total No. of Cleavings per Blade   | 8,000  |  | 12,000   |  |
| Anvil Movement   | Rotational   |  | Ideal linear up and down   |  |
| No. of Fibers to be Cleaved (ditto but for use with mass fiber fusion splicer) | 1 with AD-03, AD-04 or AD-07<br>(1-12 when used with optional respective adapter plates hereafter) |  | 1 with AD-03, AD-04 or AD-07<br>(1-12 when used with optional respective adapter plates hereafter)         |  |
| Dimensions(mm/inch)  | 90×55×55 / 3.5×2.2×2.2   |  | 90×55×55 / 3.5×2.2×2.2   |  |
| Weight(kg/lb)  | 0.5 / 1.1  |  | 0.5 / 1.1  |  |

## Optional Adapter Plates (or Fiber Holder) for Cleaving as Well as Stripping and Splicing Used with Mass Fiber Fusion Splicer

Adapter Plates for Encapsulated Fiber Ribbons



| Adapter Plate Model | SM-2 | SM-4 | SM-6 | SM-8 | SM-10 |
|---------------------|------|------|------|------|-------|
| Fiber Count         | 2    | 4    | 6    | 8    | 10    |
| Cleaved Length (mm) | 10   |      |      |      |       |

Adapter Plate for Single 250µm OD Fiber



|                     |     |
|---------------------|-----|
| Adapter Plate Model | 025 |
| Fiber Count         | 1   |
| Cleaved Length (mm) | 10  |

Adapter Plates for Both Edge-Bonded Fiber Ribbons and Bundle Fibers



| Adapter Plate Model | 025-2 | 025-4 | 025-6 | 025-8 | 025-10 | FB-12A <sup>(*)</sup> |
|---------------------|-------|-------|-------|-------|--------|-----------------------|
| Fiber Count         | 2     | 4     | 6     | 8     | 10     | 12                    |
| Cleaved Length (mm) | 10    |       |       |       |        |                       |

Adapter Plate for Single 900µm OD Fiber



|                     |                   |
|---------------------|-------------------|
| Adapter Plate Model | 09 <sup>(*)</sup> |
| Fiber Count         | 1                 |
| Cleaved Length (mm) | 10                |

(\*) Except for the model FB-12A (longer type), all the other models have the same standard length.

(\*) Except for the model 09, all the other models are designed for 250µm OD UV cured acrylate coated fibers irrespective of the configuration.

Specifications subject to change without prior notice.

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