



## Q102-M12+ Ribbon Fusion Splicer

The new AI-enabled Q102-M12+ with NanoTune™ technology is key to deploying next-generation hyper-scale networks. This future-proof machine has been designed to maximize work efficiency with state-of-the-art technology, including NanoTune™, E-ACAS, dual independent ovens, tool-free replaceable v-grooves, and special coatings. Highly versatile, it easily adapts to 250µm and 200µm ecosystems and is compatible with Lynx-CustomFit™ Splice-On Connectors.



### BENEFITS

NanoTune™ utilizes AI technology to reduce the need for splice reworks caused by insufficient fiber preparation. E-ACAS helps align fiber properly on the high precision v-grooves resulting in an impressive 60% reduction in fiber offset errors. Patented coating technology on the v-grooves and camera lenses repels dust and dirt, reducing offsets and making cleaning simple.

### FEATURES

- Fast Splicer with 11-Second Splice Time and Dual 28-Second Heaters
- Long Life Battery for 180 Splice and Heater Cycles per Charge
- Long Life Electrodes Up to 1,500 Arcs
- Ruggedized Design for Shock (Drop from 76 cm on 5 faces), Water and Dust Resistant (IP52)
- 5-inch TFT color LCD Monitor, Fully Navigational Touch Screen Monitor

### OPTICAL FIBER REQUIREMENTS

| PROPERTY      | SPECIFICATIONS                                              |
|---------------|-------------------------------------------------------------|
| Profile Types | SMF (G652); MMF (G651); DSF (G653); NZDSF (G655); BIF(G657) |
| Fiber Count   | 1f - 12f                                                    |
| Fiber Pitch   | 250µm / 200µm                                               |
| Cladding Dia. | 125 µm                                                      |
| Cleave Length | 0.39 in (10 mm)                                             |

### Q102-M12+ STANDARD COMPONENTS KIT

| COMPONENTS                            |                                                   |
|---------------------------------------|---------------------------------------------------|
| Q102-M12+ Ribbon Fiber Fusion Splicer | 25 Ribbon Fiber Splice Protection Sleeves (FPS-6) |
| Hard Transit Case                     | Pair of Spare Electrodes (ER-10)                  |
| Battery Unit (BU-102)                 | Cooling Tray                                      |
| AC Adapter & Power Cord               | Pair of 250µm 12-Fiber Holders (FHM-12V)          |
| Auto-rotating Fiber Cleaver (FC-6Rp)  | Pair of 250µm Single-Fiber Holders (FHS-025)      |
| Cleaning Kit (FUS-CLN-KIT)            | Thermal Jacket Stripper (JR-7)                    |

## ORDERING INFORMATION

### SPICER KITS



#### 6R+ ROTATING FIBER CLEAVER KIT

TYPE-Q102-M12p-KIT-6Rp

##### COMPONENTS

Q102-M12+ Standard Components  
Auto-rotating Fiber Optic Cleaver (FC-6Rp)



#### 6R+ ROTATING FIBER CLEAVER & PITCH CONVERSION KIT

TYPE-Q102-M12p-KIT-6Rp-PCH

##### COMPONENTS

Q102-M12+ Standard Components  
Auto-rotating Fiber Optic Cleaver (FC-6Rp)  
Pair of Ribbon Fiber Pitch Conversion Holders (FHM-PCH-12A; FHM-PCH-12V)



#### 6R+ ROTATING FIBER CLEAVER & FTA-02 RIBBONIZING KIT

TYPE-Q102-M12p-KIT-6Rp2

##### COMPONENTS

Q102-M12+ Standard Components  
Auto-rotating Fiber Optic Cleaver (FC-6Rp)  
Fiber Arrangement Tool (FTA-02)  
Fiber Arrangement Consumable Kit - Pads & Glue for Ribbonizer (FAC-24)



#### 6R+ ROTATING FIBER CLEAVER & OFA-02 RIBBONIZING KIT

TYPE-Q102-M12p-KIT-6Rp3

##### COMPONENTS

Q102-M12+ Standard Components  
Auto-rotating Fiber Optic Cleaver (FC-6Rp)  
Fiber Arrangement Tool (OFA-02)



#### 6R+ ROTATING FIBER CLEAVER & Lynx-CustomFit™ MPO SPLICE-ON KIT 2

TYPE-Q102-M12p-KIT-MPO

##### COMPONENTS

Q102-M12+ Standard Components  
Auto-rotating Fiber Optic Cleaver (FC-6Rp)  
Lynx-CustomFit™ Carrying Bag  
Pair of 12-Fiber Lynx-CustomFit™ MPO Metal Holders (FHM-12-MPO-MTL)  
Lynx-CustomFit™ SOC Card Prep tool (LYNX2-CORDTOOL-2.0-3.0)  
Lynx-CustomFit™ Aramid Shears (LYNX-SHEARS)  
Assembly Platform for Lynx-CustomFit™ MPO with Ribbonizer (LYNX2-ATK2-MPO)  
Fiber Arrangement Consumable Kit - Pads & Glue for Ribbonizer (FAC-24)

## V-GROOVE KITS



#### V-GROOVE KIT (200 μm)

SVG01-1220

##### COMPONENTS

200μm V-Groove Block  
Electrodes (ER-10-200)  
Q102-M12+ Electrode Holder  
Pair of 12-Fiber Ribbon Holders for 200 μm Fibers (FHM-12N)



#### V-GROOVE KIT (250 μm)

SVG01-1225

##### COMPONENTS

250μm V-Groove Block  
Electrodes (ER-10)  
Q102-M12+ Electrode Holder  
Pair of 12-Fiber Ribbon V Shaped Holders for 250 μm Fiber (FHM-12V)