



## Quantum Type-Q101-CA+™ Core Alignment Fusion Splicer™



### Features

- Industry's Only Dual Independent Heat Shrink Ovens
  - Industry's First High Resolution, Fully Navigational Touch Screen Monitor
  - Industry's Only SD Port for Virtually Unlimited Data Storage
  - Industry's Only Internet Interface for Remote Maintenance & Software Upgrades
  - Industry's Only Video Playback
  - Industry's Lightest Weight & Smallest Footprint Core Alignment Splicer
  - Ruggedized Design for Shock, Water, and Dust Resistance
  - Automatic Splice Start, Arc Calibration, Heater Start and Fiber Identification
  - Hard Carrying Case with Integrated Work Platform
  - Multiple Positional Monitor with Automatic Display Inversion
  - Fiber Holder or Fiber Clamp Selectable
  - Battery Recharges While Splicing
- (continued on back)

### Description

The Quantum Type-Q101-CA-PLUS™ is Sumitomo Electric Lightwave's enhancement to its industry leading Quantum core alignment fusion splicer, providing the most advanced splicing technology available today. Maintaining all of the qualities and industry first features of the Quantum Type-Q101-CA, the Quantum Plus reaches new standard levels in speed by reducing heater shrink time from 28 to 14 seconds. This new speed, coupled with the splicer's patent protected dual independent ovens,

makes it the fastest in the industry by far. The built-in dual heater system, with its unprecedented speed, improves splicing efficiency by over 80% for perfectly streamlined, consecutive, and cost effective splices. The Quantum PLUS is also the lightest, smallest, and most advanced core alignment fusion splicer in the industry; yet it's also rugged with superior dust, shock and water-proof resistance, making it the ideal choice for even the harshest environments.

### Specifications

<b>RoHS</b>	Compliant
<b>Applicable Fiber Types</b>	SMF, MMF, DSF, NZ-DSF, BIF/UBIF
<b>Coating Diameter</b>	100 to 1000µm
<b>Cladding Diameter</b>	80 to 150µm
<b>Cleave Length</b>	5-16mm
<b>Typical Splice Loss, Identical Fibers</b>	SMF: 0.02dB; MMF: 0.01dB; NZ-DSF: 0.04dB
<b>Return Loss</b>	<70dB
<b>Alignment Method</b>	High Resolution Direct Core Monitoring & 3-Axis Core Alignment
<b>Built-In Splice Protection Sleeve Heaters</b>	Dual Independent Auto Splice Sleeve Heaters
<b>Heater Cycle Time</b>	14 Seconds; 60mm Slim Sleeve
<b>Heater Programs Max</b>	100
<b>Typical Splice Time</b>	6 Second Splice Time
<b>Splice Programs Max</b>	300
<b>Attenuation Splicing</b>	0.1 - 15.0dB
<b>Interface</b>	Touch Panel Input & Switches
	Built-in Audio & Video
	SD Memory Card, USB2.0 (USB-mini B)
	DC Input for Car Battery Operation
<b>Power Requirements</b>	Input: 100V to 240V AC; 50/60 Hz; 10-15V DC
<b>DC (Battery Operation)</b>	200 Splices & Heater Cycles; 600 with External Charger
<b>Battery Module</b>	Li-ion; Arc and Heater Cycle Capacity Number
<b>Arc Test</b>	Auto Compensation for Environmental Conditions
<b>Proof Test</b>	Internal 200g
<b>Language Selection</b>	27
<b>Image Display</b>	320X Single (zoom700X) and 88X Dual Fiber Imaging; X/Y with 2 Cameras
<b>Internal Splice Data Storage</b>	10000 (Unlimited with SD card)
<b>Image Storage</b>	200
<b>Electrode Life</b>	3000
<b>Display Positions</b>	Adjustable for Optimal Work Flow
<b>Software Update</b>	Internet
<b>Remote Maintenance</b>	Yes

# Splicers Fusion

## Quantum Type-Q101-CA+™ Core Alignment Fusion Splicer™

### Features (continued):

- Long Life Battery for 200 Splice and Heater Cycles per Charge
- Lynx2 CustomFit® Splice-On Connector Compatibility
- 24-Hour Technical Support via 1-888-SPLICER



Shown with Optional  
Lynx2 CustomFit®  
Splice-On Connector

### Characteristics

Size (mm)	120W x 154D x 130H
Weight	2.1kg with Battery
Display Type	4.1 Color, Low Glare, High Resolution Touch Screen Monitor
Shock - Free Fall	76cm from 5 sides
Waterproof	IPx2
Dustproof	IP5x
Wind Protection	30mph (15m/s)
Battery Docking Bay	Internal

### Accessories

Description	Part Number	UOM
Battery Unit	BU-101	1 ea.
250µm Single Fiber Holder	FHS-025	1 pr.
900µm Single Fiber Holder	FHS-09	1 pr.
Spare Electrode	ER-10	1 pr.
Precision Fiber Cleaver with Scrap Fiber Catcher	FC-6S-C	1 ea.
Hand-Held Precision Fiber Cleaver with Automatic Blade Rotation and Catcher	FC-7R	1 ea.
Precision Bench Top Automatic Blade Rotation Cleaver with Catcher	FC-6RS-C	1 ea.
Fiber Protection Sleeves; 40mm, 10 Sleeves	FPS-40-10P	1pk.
Fiber Protection Sleeves; 60mm, 50 Sleeves	FPS-1	1 pk.
Splice Tray Holder	Q101-STH-KIT	set
Dual Bay Battery Charger, Adapter	BC-101	set

### Type-Q101-CA-KIT-1- Components:

- Type-Q101-CA Quantum Splicer
- Hard Transit Case
- Work Platform
- AC Adapter
- Standard Battery
- Cleaning Tools
- Fiber Protection Sleeve Cooling Tray
- Manual
- Fiber Optic Stripper

### Type-Q101-CA-KIT-2

- Includes All of KIT-1 Components;  
Plus FC-6S-C Fiber Optic Cleaver

### Type-Q101-CA-KIT-2R

- Includes All of Kit-1 Components;  
Plus FC-7R Hand-Held Automatic  
Blade Rotation Cleaver

### Type-Q101-CA-KIT-6RSC

- Includes All of KIT-1 Components;  
Plus FC-6RS-C Precision Bench Top  
Automatic Blade Rotation Cleaver

### Ordering Information

Part Number	Description
<b>Type-Q101-CA-KIT-1</b>	Splicer Kit with Accessories
<b>Type-Q101-CA-KIT-2</b>	Splicer Kit with Accessories and FC-6S-C Cleaver
<b>Type-Q101-CA-KIT-2R</b>	Splicer Kit with Accessories and FC-7R Precision Cleaver
<b>Type-Q101-CA-KIT-6RSC</b>	Splicer Kit with Accessories and FC-6RS-C Precision Cleaver



Quantum Transit  
Case as Work  
Surface