

# Splicers Fusion



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



### Description:

The Quantum Type-Q101-CA marks the new standard for fusion splicers. The Quantum is the Industry's 1st and ONLY core alignment fusion splicer with: fully navigational touch screen interface for optimum user friendliness; SD port for virtually unlimited data storage, plus favorite program, video, audio, and software uploads; remote maintenance capability, the largest fiber view; and the longest electrode life—with the legendary reliability common to all Sumitomo splicers.

Although it's also the lightest, smallest, and most advanced fusion splicer in the industry, the Quantum is more ruggedized with superior dust, shock and water-proof resistance making it the ideal choice for even the harshest environments. The built-in dual heater system, a Sumitomo Electric innovation, reduces heater wait time and improves splicing efficiency by 70%, yielding a splicer with the speed, performance, and specifications that advances fusion splicing technology.

### Specifications

RoHS	Compliant
Applicable Fiber Types	SMF, MMF, DSF, NZ-DSF, BIF/UBIF
Coating Diameter	100 to 1000 $\mu$ m
Cladding Diameter	80 to 150 $\mu$ m
Cleave Length	5-16 mm
Typical Splice Loss, Identical Fibers	SMF: 0.02dB; MMF: 0.01 dB; NZ-DSF: 0.04dB
Return Loss	<70dB
Alignment Method	High Resolution Direct Core Monitoring & 3-Axis Core Alignment
Built-In Splice Protection Sleeve Heaters	Dual Independent Auto Splice Sleeve Heaters
Heater Cycle Time	22 Seconds 60mm (Hot Mode); 28 Seconds 60mm
Heater Programs Max/Preset	100 / 30
Typical Splice Time	7 Second Splice Time
Splice Programs Max/Preset	300 / 50
Attenuation Splicing	0.1 – 15.0dB
Interface	Touch Panel Input & Switches Built-in Audio & Video SD Memory Card, USB2.0 (USB-mini B) DC Input for Car Battery Operation
Power Requirements	Input: 100V to 240V AC; 50/60 Hz; 10-15V DC
DC (Battery Operation)	Standard: 200 Splices & Heater Cycles
Battery Module	Li-ion
Arc Test	Auto Compensation for Environmental Conditions
Proof Test	Internal 200g
Language Selection	27
Image Display	640X Single and 340X Dual Fiber Imaging; X/Y with 2 Cameras
Internal Splice Data Storage	10000 (Unlimited with SD card)
Image Storage	64
Electrode Life	3,000
Display Positions	Adjustable for Optimal Work Flow
Software Update	Internet
Remote Maintenance	Yes

### Features:

- Industry's 1st Dual Independent Heat Shrink Ovens
- Industry's Only High Resolution, Fully Navigational, Touch Screen Monitor
- Industry's Only SD Port for Virtually Unlimited Data Storage, Plus Favorite Program, Video, Audio, and Software Uploads
- Internet Interface for Software Upgrades
- Industry's Only Video & Audio 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

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### Features (continued):

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



Shown with Optional Lynx2-CustomFit® Splice-On Connector

### Physical Characteristics

Size(mm)	120W x 154D x 126H
Weight	2.0 kg
Display Type	4.1 Color, Low Glare, High Resolution Touch Screen Monitor
Shock - Free Fall	76cm from 5 sides
Waterproof	IPx2
Dustproof	IPx5
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.
Table Top Precision Fiber Cleaver with Catcher	FC-6S-C5	1 ea.
Hand-Held Precision Fiber Cleaver with Automatic Blade Rotation and Catcher	FC-7R	1 ea.
Fiber Protection Sleeves (Single Fiber, 40mm, 10 Sleeves)	FPS-40-10P	1pk.
Fiber Protection Sleeves (Single Fiber, 60mm, 50 Sleeves)	FPS-1	1pk.
V-Groove Brush	VGB-003-CR	1pk.

### Ordering Information

Part Number	Description
Type-Q101-CA-Kit-1	Splicer Kit with Accessories
Type-Q101-CA-Kit-2	Splicer Kit with Accessories and FC-6S-C5 Cleaver
Type-Q101-CA-Kit-2R	Splicer Kit with Accessories and FC-7R Precision Cleaver

### 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-C5 Fiber Optic Cleaver

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

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



User Selectable Fiber Sheath Clamps or Fiber Holder