



## Quantum Type-Q101-M12™ Mass Fusion Splicer



### Features:

- Industry's Only Dual Independent Heat Shrink Ovens with Auto Pretension Clamps
- Industry's Only Automatic & Real-Time Clamp Force Adjustment
- Industry's Only High Resolution, Fully Navigational, Touch Screen Monitor
- Industry's Only SD Port for Virtually Unlimited Data Storage, Plus Program, Video, Audio, and Software Uploads/Downloads
- Internet Interface for Remote Maintenance & Software Upgrades
- Industry's Only Video & Audio Playback
- Industry's Lightest Weight & Smallest Footprint Mass Fusion 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

(continued on back)

### Description

The Quantum Mass marks the new standard in fusion splicing. It is the industry's first and ONLY mass fusion splicer with Automatic Clamp Force Adjustment and Live Time Clamp Force Calibration that allows for real-time fiber offset adjustment for the lowest insertion loss for splicing ribbon fiber and MPO terminations. It's the industry's fastest mass fusion splicer, taking less than 70 seconds for a 12 count fiber splice. Other industry first and ONLY features include: fully navigational touch screen for optimum user friendliness; SD port for virtually unlimited data storage, plus video, audio, and software uploads and downloads; internet interface for

remote maintenance; and the longest electrode life — with legendary reliability common to all Sumitomo splicers.

Sumitomo's Quantum Mass is the industry's lightest, smallest, and most advanced mass fusion splicer, yet it's also more rugged with superior dust, shock and water-proof resistance 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 unprecedented speed, performance, and reliability.

### Specifications

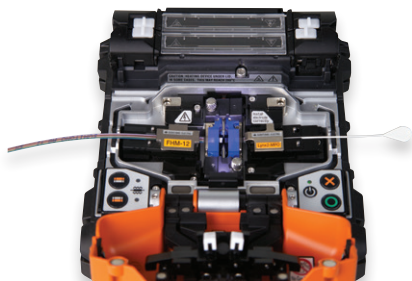
<b>RoHS</b>	Compliant
<b>Applicable Fiber Types</b>	SMF, MMF, DSF, NZ-DSF, BIF/UBIF
<b>Coating Diameter</b>	0.25mm, 0.50mm, 0.90mm
<b>Cladding Diameter</b>	125µm
<b>Cleave Length</b>	10mm
<b>Typical Splice Loss, Identical Fibers</b>	SMF: 0.05dB; MMF: 0.02dB; NZ-DSF: 0.08dB
<b>Number of Fibers</b>	1-12
<b>Built-In Splice Protection Sleeve Heaters</b>	Dual Independent Auto Splice Sleeve Heaters with Pretension Clamps
<b>Heater Cycle Time</b>	55 Seconds
<b>Heater Programs Max</b>	100
<b>Typical Splice Time</b>	14 Second Splice Time
<b>Splice Programs Max</b>	200
<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>	Standard: 110 Splices & Heater Cycles
<b>Battery Module</b>	Li-ion; Arc and Heater Cycle Capacity Number Displayed on Monitor
<b>Arc Test</b>	Auto Compensation for Environmental Conditions
<b>Proof Test</b>	Internal 200g
<b>Language Selection</b>	27
<b>Internal Splice Data Storage</b>	10000 (Unlimited with SD card)
<b>Image Storage</b>	64
<b>Electrode Life</b>	1500
<b>Display Positions</b>	Adjustable for Optimal Work Flow
<b>Software Update</b>	Internet
<b>Remote Maintenance</b>	Yes

# Splicers Fusion

## Quantum Type-Q101-M12™ Mass Fusion Splicer

### Features (continued):

- Battery Recharges While Splicing with AC Power
- Long Life Battery
- Lynx2 CustomFit® Splice-On Connector Compatibility
- 24-Hour Technical Support via 1-888-SPLICER



Shown with Optional Lynx2-MPO CustomFit® Splice-On Connector

### Type-Q101-M12-KIT-6RM1 Components:

- Quantum Mass Fusion Splicer
- Precision Automatic Blade Rotation
- Fiber Cleaver
- Heated Jacket Remover
- Power Cord
- V-Groove Brush
- Spare Electrodes
- Manual
- 250µm Holders
- 12ct. Ribbon Fiber Holders
- Hard Case

### Type-Q101-M12-KIT-6RM2 Components:

- Includes All Type-Q101-M12-KIT-6RM1 Contents; Plus Ribbonizing Tool and Consumable Kit

### Type-Q101-M12-KIT-MPO1 Components:

- Quantum Mass Fusion Splicer
- Cleaver
- Heated Jacket Remover
- Power Cord
- V-Groove Brush
- Spare Electrodes
- Manual
- Hard Case
- Lynx2 MPO Tool Kit Including Assembly Work Platform
- Consumable Kit
- Battery not included

### Type-Q101-M12-KIT-MPO2 Components:

- Includes KIT-MPO1 Contents; **PLUS BATTERY**

### Physical Characteristics

Size (mm)	120W x 154D x 130H
Weight	2.0kg 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-Q101	1 ea.
Fiber Protection Sleeves (Single Fiber, 60mm, 50 Sleeves)	FPS-1	1pk.
Fiber Protection Sleeves (2-12 Fiber Ribbon, 5 Sleeves)	FPS-6-5P	1pk.
250µm Single Fiber Holder	FHS-025	1pk.
900µm Single Fiber Holder	FHS-09	1 pr.
Ribbon Fiber Holders: 2; 4; 6; 8 and 12 Count Type-25eM: 2; 4 Count Type-61 to Type-Q101-M12 Models: 2-12 Count	FHM- 2, FHM-4, FHM- 6, FHM-8, FHM-12	1pr.
Fiber Arrangement Tool, Ribbon Maker	FTA-2	1 ea.
Consumable Kit for FTA-2	FAC-24	
Spare Electrode	ER-10	1 ea.
Precision 1-12 Fiber Automatic Blade Rotation Cleaver with Catcher	FC-6RM-C	1 ea.
FC-6 Cleaver Series Scrap Catcher	FC6-CATCHER	1 ea.
Thermal Jacket Remover; DC Input or Battery Power	JR-6	1 ea.
AC Power Cord	PC-AC2	1 ea.
Aerial Work Platform with Mounting Arm	APF-03-KIT	1 ea.
Splice Tray Holder	Q101-STH-KIT	set
Dual Bay Battery Charger, Adapter	BC-101	set
V-groove Brush	VGB-003-CR	1 ea.

### Ordering Information

Part Number	Description
Type-Q101-M12-KIT-6RM1	Splicer Kit with Accessories, Type-Q101-M12
Type-Q101-M12-KIT-6RM2	Splicer Kit with Accessories, Type-Q101-M12
Type-Q101-M12-KIT-MPO1	Splicer Kit with MPO Accessories, Type-Q101-M12
Type-Q101-M12-KIT-MPO2	Splicer Kit with MPO Accessories, Type-Q101-M12



Quantum Transit Case as Work Surface