

# TYPE 39 “FASTCAT” FUSION SPLICER

## Product Benefits

- √ RoHS Compliant
- √ Dual Independent Splice Protection Heaters, Patent Pending
- √ 5.6” Switchable Color Monitor for Front to Back or Back to Front Operation
- √ Automatic Splice Start
- √ Automatic Heater Start
- √ Automatic Fiber Profiling Detection
- √ Complete Splice in less than 40 Second
- √ Built-in LED for V-Groove Illumination
- √ User-Friendly Menu Selection System



## Description

Sumitomo's Type-39 FastCat™ Core Alignment Fusion splicer is the industry's first splicer to feature a Dual-Automatic Heater System featuring Auto Start Heater and Auto Start Splice functions - making the FastCat the fastest splicer available today

The Type-39 FastCat's advanced electronic design, which accommodates the built-in dual heating system and simultaneous operation, reduces the bottle neck of "heater wait time" by 88%. With an individual heater cycle time of only 30 seconds (60mm Fiber Protection Sleeves) and a splice cycle of only 9 seconds, the FastCat improves splicing efficiency by 70%.

The FastCat is a fully automatic, highly portable, self-contained instrument for creating quick and effortless low-loss optical fiber splices in any environment with a typical splice loss of only .02(dB) for identical single-mode fiber. It is designed to work with virtually all fiber types including single-mode, multimode, dispersion shifted and other specialty fibers.

The splicer utilizes High-resolution Direct Core Monitoring (HDCM) technology to form repeatable low-loss splice results. HDCM and Dual Heater technologies, combined with Sumitomo Electric's track record for reliability and customer support, make the FastCat the industry's new standard for fusion splicers.



## Type 39 Specifications



<b>RoHS</b>	Compliant
<b>Fiber Requirement</b>	Silica Glass
<b>Coating Diameter</b>	100 to 1000 $\mu$ m
<b>Cladding Diameter</b>	80 to 150 $\mu$ m
<b>Cleave Length</b>	8 to 16 mm (under 250 $\mu$ m coated fiber) 16mm (over 250 $\mu$ m coated fiber)
<b>Typical Splice Loss, Identical Fibers</b>	SMF: 0.02dB MMF: 0.01dB NZ-DSF: 0.04dB
<b>Number of Fiber Profiles</b>	48 Customizable
<b>Number of Pre-Installed Heater Profiles</b>	20 Customizable
<b>Internal Splice Data Storage</b>	2000
<b>Monitor Position</b>	Multiple Position Monitor
<b>Interface</b>	USB Port for PC Interface RCA Jack for External Monitor DC Input for Car Battery Operation
<b>Dual Independent Heaters</b>	Each Heater: 25 seconds 40mm sleeve 30 seconds 60mm sleeve
<b>Typical Splice Time</b>	9 Seconds Splice Cycle Time
<b>Language Selections</b>	16
<b>Arc Test</b>	Automatically Compensates for Environmental Conditions
<b>Menu Selection</b>	User Friendly Menus
<b>Return Loss</b>	<-70dB
<b>Proof Test</b>	Internal 200g (Std.), 400g(Optional)
<b>Attenuation Splicing</b>	Up to 15dB In Increments of 0.01db
<b>Loss Estimation Process</b>	High-resolution Direct Core Monitoring (HDCM)
<b>Image Display</b>	Dual or Single Fiber Imaging X/Y

## Accessories

Description	Part Number	UOM
Standard Battery, 100 Splice and Heater Cycles per Charge	BU-66S	1 ea.
XL Battery, 200 Splice and Heater Cycles per Charge	BU-66XL	1 ea.
Battery Charger Cable	BCC-66	1 ea.
Spare Electrodes	ER-10	1 pr.
Precision Fiber Optic Cleaver	FC-6S	1 ea.
FC-6 Cleaver Series Scrap Catcher	FC6-CATCHER	1 ea.
Jacket Remover	JR-M01	1 ea.
60mm Single Fiber Protection Sleeves	FPS-1	1 pk.
AC Power Cord	PC-AC2	1 ea.
Aerial Work Platform with Mounting Arm	APF-03-KIT	1 ea.
V-groove Brush	VGB-003-CR	1 ea.

### Type 39-KIT-1 Components:

- ✓ Splicer
- ✓ Spare Electrodes
- ✓ AC Adapter/Batter Charger
- ✓ AC Power Cord
- ✓ V-Groove Brush
- ✓ Cooling Tray
- ✓ Monitor Cover
- ✓ Manual
- ✓ Quick Guide

**Warranty Information**  
All of Comtest' products have a limited warranty against manufacture defects.

One Raymond Street  
Ottawa, ON  
Canada, K1R 1A2  
Tel: 01-613-226-2301  
Fax: 01-613-226-2371