THE ULTIMATE SOLUTION FOR FAST AND PRECISE FUSION SPLICING

NEW

FiberMASTER Fusion Splicer Series

Experience Fast and Precise Fusion Splicing with Reliable Support, Backed by a 3 Year Warranty.

FiberMASTER S60 and S40 Fusion Splicers offers superior splice performance in as little as 6 seconds. With industry leading repeatability, your last splice will be as accurate as your first. Safeguarding your investment has never been easier with unmatched customer support and a 3 year warranty as standard. Sapphire Care Plan is also available to minimise downtime and avoid unexpected service or repair costs.

For more information please call **+44 (0)1925 428 380** or email **uksales@trend-networks.com**

TREND NETWORKS

Depend On Us

www.trend-networks.com

INTRODUCING FiberMASTER

The FiberMASTER Fusion Splicer is user-friendly with fully automatic modes that detect the fibre type and sets optimal splicing parameters for minimum splice loss in real-time.

Robust and Reliable.
Built for field use in a variety of real-world conditions.

Dependable Performance.
Industry leading with splice loss as low as 0.01dB.

Consistent Repeatability
FiberMASTER achieves maximum performance and industry leading repeatability over hundreds of splices.

Chart — Splice Loss dB:
- TREND S40/S60: Max 0.0148dB, Mean 0.0133dB, Min 0.0118dB
- Generic Model 1: Max 0.0250dB, Mean 0.0170dB, Min 0.0108dB
- Generic Model 2: Max 0.0269dB, Mean 0.0227dB, Min 0.0187dB

Maximum allowed splice loss for installations that comply with ISO/EN/TIA standards is 0.30dB. FiberMASTER splice loss exceeds these standards by more than 20x, reducing attenuation in your fibre links and increasing overall system margin.

S60 - Active Core Alignment Splicer

S60 delivers superior low loss and repeatability when splicing dissimilar fibre types using automated detection. Using 2 additional camera motors (6 motors total) to optimise core detection and provide precise alignment for ultimate repeatability with any type of fibre.

Optimised for – Trunk networks, telecom and high volume splicing.
Fast Splice Time - 6 sec (Avg.)
Magnification and Resolution - 400x
Touch Screen - 5" Colour LCD
Heating Time - Typical 18 sec
Battery Capacity - 280 splice/heat cycles
Data storage - 10,000 results + 100 images

S40 - Adaptive Clad Alignment Splicer

S40 delivers superior speed and splice performance in fibre optic installations where fibres of similar types are spliced. Using 4 motors for precision cladding alignment of any type of fibre providing fast splicing and dependable performance.

Optimised for – Fibre to the home (FTTH), access networks, enterprise and campus networks.
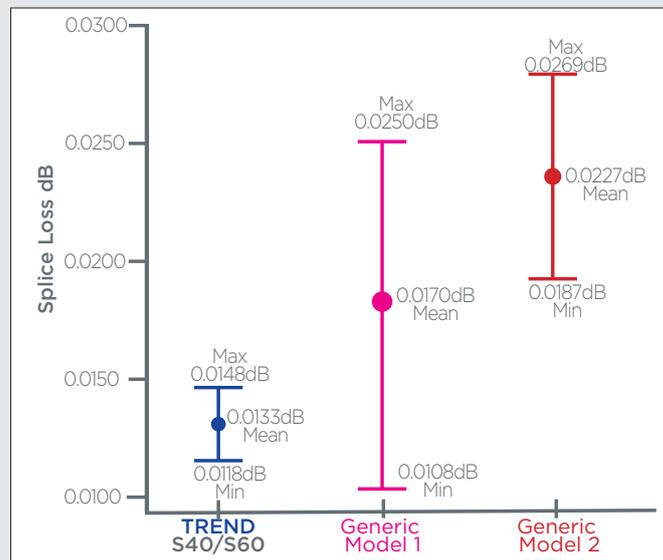**Fast Splice Time -** 7 sec (Avg.)
Magnification and Resolution - 320x
Touch Screen - 4.3" Colour LCD
Heating Time: Typical 20 sec
Battery Capacity: 240 splice/heat cycles
Data storage: 8,000 results

Splice Protection Heater
Supports 25mm to 60mm shrink sleeves with SOC (splice on connector) support
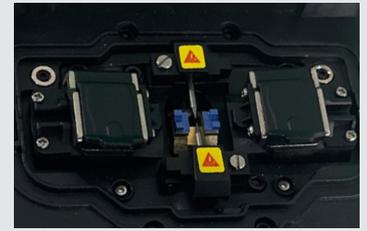
Protective Cover
Protects the splicer in all conditions and bright LED lighting optimises splicing productivity in dark environments

Long-life Battery
Up to 280 splice/heating cycles per charge. Standalone charging (S60 only)

Easy to Use Interface
Simple user interface for easy setup and operation with touchscreen or push-buttons

Optional Magnetic Fibre Clamps
Use with the included universal 250/900μm and 2/3mm fibre holders or use with removable fibre clamps

USB
Software updates, download splice results, connect included USB work light

Rugged Design
Metal shell and soft rubber edge protectors for maximum durability

Complete protection for your FiberMASTER Fusion Splicer

The Sapphire Care Plan is designed to help minimise down time, reduce the cost of ownership and protect against unforeseen repair bills.

Free Repairs – Protect Against Unforeseen Bills

Free Loan Unit During Repairs and Servicing – No Downtime

Free Annual Service - To Ensure Maximum Splicing Performance and Consistency

Free Online Training and Technical Support – Improve Efficiency

Free Shipping – Reduce Costs

Free Replaceable Wear Parts – Reduce Cost of Ownership

Sapphire
CARE PLAN

Reliable Support

We have a deeply engrained 'Depend On Us' philosophy focused on ensuring that, even in the most difficult circumstances, our customers know we will always provide the performance and support they need.

Technical Support – Depend on Local Technical Support to Ensure Rapid Resolution

Whatsapp and Live Chat – Get The Help That You Need, When You Need It

Quick repairs – Regional Service Centres to Expedite Repair and Maintenance

Free Online Content – Enjoy Free Webinars and Online Content

Specifications

	Model S60	Model S40
Supported fibre types	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655), G.657, EDF	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655), G.657
Fibre cladding range	80 - 150µm	80 - 150µm
Fibre coating range	160 - 3000µm	160 - 3000µm
Typical splice loss	SM: 0.02dB, MM: 0.01dB, DS: 0.04dB, NZDS: 0.04dB	SM: 0.02dB, MM: 0.01dB, DS: 0.04dB, NZDS: 0.04dB
SM Mean splice loss 95.0% of splices	0.0121 dB 0.0102 - 0.0140	0.0133 dB 0.0118 - 0.0148 dB
Typical Return Loss	>60dB	>60dB
Fibre cleave length	250µm coated fibre: 5 - 16mm 250 - 3mm coated fibre: 16mm	250µm coated fibre: 5 - 16mm 250 - 3mm coated fibre: 16mm
Splicing programs	40 preset + 60 custom	40 preset + 60 custom
Operating modes	Automatic/Manual	Automatic/Manual
Heating modes	Automatic pre-heat/Manual	Automatic pre-heat/Manual
Typical splice time	6 seconds in fast mode	7 seconds in fast mode
Typical heating time	18s/40mm, 20s/60mm	20s/40mm, 26s/60mm
Camera magnification	400X (X or Y views separately) 200X (X & Y views together)	320X (X or Y views separately) 160X (X & Y views together)
Display	5 inch/127 mm colour LCD, capacitive touch	4.3 inch/109 mm colour LCD, capacitive touch
Record storage	10,000 loss results + 100 images	8,000 loss results
Splice loss estimation	Yes	Yes
Tension/pull test	1.8 - 2.2N	1.8 - 2.2N
User interface	Graphical touch screen and dedicated buttons for key functions	Graphical touch screen and dedicated buttons for key functions
Battery	Capacity: 56.16Wh, Li-Ion, removable Charge time: 8 hours Supports on-board and external charging	Capacity: 56.16Wh, Li-Ion, removable Charge time: 8 hours Supports on-board battery charging only
Operating time	Operating: 5 hours/Standby: 8 hours Splices per charge: 280 splice/heating	Operating: 5 hours/Standby: 8 hours Splices per charge: 240 splice/heating
Power supply	Input: 100-250VAC (50/60Hz) Output: 13.5VDC	Input: 100-250VAC (50/60Hz) Output: 13.5VDC
Electrode durability	>5,000 Arc discharges User replacable	>4,000 Arc discharges User replacable
Environmental	Altitude: 0 - 5000m / 0 - 16,400ft Temperature: -25°C to 50°C / -13°F to 122°F Humidity: 0 - 95%, non-condensing Wind: 15m/s, 54KPH, 33MPH max	Altitude: 0 - 5000m / 0 - 16,400ft Temperature: -10°C to 50°C / 14°F to 122°F Humidity: 0 - 95%, non-condensing Wind: 15m/s, 54KPH, 33MPH max
Splicer dimensions L x W x H	155 x 144 x155 x 155 mm 6.1 x 5.7 x 6.1	160 x140 x 135 mm 6.3 x5.5x5.3 inches
Splicer weight with battery, excluding case and accessories	2.35kg 5.18 lbs	1.97kg 4.34 lbs
Connectivity	USB Type A to download splice results and update software	USB Type A to download splice results and update software

FiberMASTER
Fusion Splicer Series

Ordering Information

FiberMASTER Fusion Splicer Series

Part No.	Kit Contents
R301-S60K	**FiberMASTER S60 Active Core Alignment Fusion Splicer** Includes FiberMASTER 6-motor Fusion Splicer, Carry Case, Replacement Electrodes, Cooling Tray, Quick Reference Guide, Power Supply, Cleaver, Alcohol Dispenser, Cleaning Brush, Fibre Stripper, Drop Cable Stripper, Kevlar Shears, USB Work Light, Heat Shrink 60 mm 50 pcs + 40mm 50 pcs
R301-S40K	**FiberMASTER S40 Cladding Alignment Fusion Splicer** Includes FiberMASTER 4-motor Fusion Splicer, Carry Case, Replacement Electrodes, Cooling Tray, Quick Reference Guide, Power Supply, Cleaver, Alcohol Dispenser, Cleaning Brush, Fibre Stripper, Drop Cable Stripper, Kevlar Shears, USB Work Light, Heat Shrink 60 mm 50 pcs + 40mm 50 pcs

Sapphire Care Plan

Part No.	Kit Contents
SCP-S40-1Y	**S40 Sapphire Care Plan** - 1 Year
SCP-S40-2Y	**S40 Sapphire Care Plan** - 2 Year
SCP-S40-3Y	**S40 Sapphire Care Plan** - 3 Year
SCP-S60-1Y	**S60 Sapphire Care Plan** - 1 Year
SCP-S60-2Y	**S60 Sapphire Care Plan** - 2 Year
SCP-S60-3Y	**S60 Sapphire Care Plan** - 3 Year

Optional Accessories

Part No.	Kit Contents
R301-CASE	Robust Carry Case
R301-CLEAVE-STD	Cleaver (Standard 2-Step Cleaver)
R301-CLEAVE-PRO	Cleaver (Pro 1-Press Cleaver)
R301-BLADE-STD	Cleaver Blade (Standard)
R301-BLADE-PRO	Cleaver Blade (Pro)
R301-STRIP-3HOLE	Fibre Stripper (Blue, 3 hole)
R301-SHEAR-KEVLAR	Kevlar Shears

Part No.	Kit Contents
R301-BATT-S40	FiberMASTER S40 Battery
R301-BATT-S60	FiberMASTER S60 Battery
R301-ELECT-S40	Splicer Electrodes for 4-motor
R301-ELECT-S60	Splicer Electrodes for 6-motor
R301-PSU	Splicer Power Adapter & Mains Cords
R301-STRIP-THERMAL	Thermal Stripper

Visit www.trend-networks.com for a full list of accessories.

TREND NETWORKS

TREND Networks
728 London Road, High Wycombe
Buckinghamshire, HP11 1HE, United Kingdom

Tel. +44 (0)1925 428 380
uksales@trend-networks.com

www.trend-networks.com