

Splicing *is* Easy with

TRITEC

Fixed Alignment Splicing Equipment



A technical data sheet for the HSO II Heatshrink Oven is available on request

HSO II / HSO IIc Heatshrink Oven

When fusion splicing optical fibre it is vital that each joint is properly protected.

The HSO II Heatshrink Oven rapidly applies industry standard splice protectors avoiding microbending or trapped air bubbles, ensuring the long term stability of the spliced joint. As the HSO II completes its 75 second heating cycle the operator is free to prepare the next splice.

The HSO IIc is adapted to provide power for the camera/monitor system.

- Simple application of heatshrink sleeves
- Fast protection increases jointing productivity
- Compact and robust, with internal battery
- Controlled heating operation



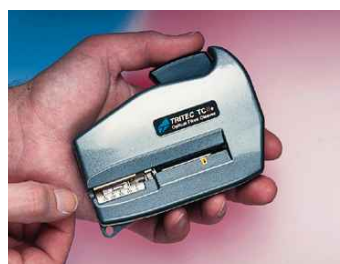
A technical data sheet for the FASE II Fusion Splicer is available on request

FASE II / FASE IIc Fusion Splicer

The FASE II is a compact fusion splicer which produces low loss splices with both singlemode and multimode fibre. This fixed alignment splicer uses a unique axial reciprocation technique to minimise the splice losses (typically 0.05 dB for singlemode or multimode fibre).

The rugged and ergonomic design ensures that the FASE II is easy to use in every installation environment. On the FASE IIc the x75 microscope is adapted to accept a camera for viewing the fibre image on a monitor.

- Low loss splicing using innovative techniques
- Splices both singlemode and multimode fibre
- Compact and robust, with internal battery
- High quality precision engineering
- Simple operation with flexible microprocessor control



A technical data sheet for the TCII+ Optical Fibre Cleaver is available on request

TRITEC Optical Fibre Cleavers

TRITEC offer a choice of cleavers. Both units are suitable for multimode and singlemode fibre.

TCII+ Optical Fibre Cleaver

This hand-held, high precision cleaver produces the best possible cleaves with a convenient safety mechanism for automatically collecting the offcut fibres

- Less than 0.5° end-angles
- Automatically stores offcut fibres
- Hand-held or bench-mounted operation

- High precision diamond blade for long life

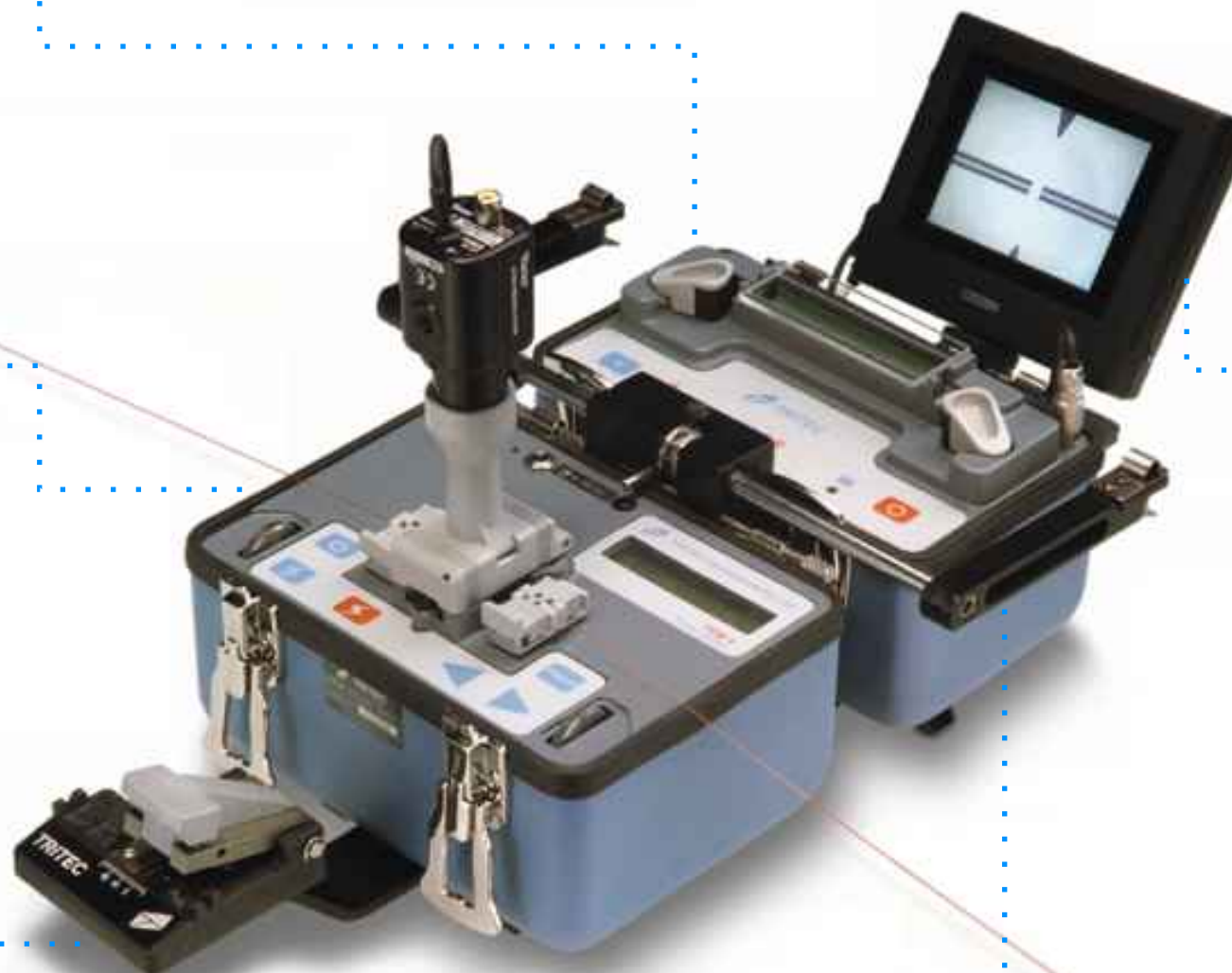
TC A8 Optical Fibre Cleaver

This cost-effective precision cleaver is the fast and easy way to produce quality cleaves suitable for fusion splicing

- Less than 1° end-angles
- Simple to operate
- Precision diamond blade for long life



A technical data sheet for the TC A8 Optical Fibre Cleaver is available on request



FASEKIT

The FASEKIT provides a low cost fusion splicing solution in a compact and easy to use package. The padded kit bag contains the FASE II Fusion Splicer, the HSO II heatshrink oven and external power supply.

Together with the FPK I Fibre Preparation Kit (see below) the FASEKIT provides a highly portable yet complete fusion splicing system.

Further addition of the MKIT II allows the equipment to be used anywhere fibre is installed.

- FASE II Fusion Splicer and HSO II Heatshrink Oven together in one package
- Power supply and y-splitter included so both units can be charged together
- Supplied in a padded kitbag



FASEKIT (LCD)

The FASEKIT (LCD) is the camera version of the Fusion Splicing Kit. It includes the FASE IIc Fusion Splicer, the HSO IIc Heatshrink Oven and a camera kit allowing the operator to view the splicing operation on a 3.8" LCD monitor.

The kit also includes a mounting plate and fibre handler to provide a compact splicing solution. The robust transit case provides additional space for a G-Clamp, an Optical Fibre Cleaver and fibre preparation tools.

- 3.8" LCD Monitor fits neatly onto bracket at rear of mounting plate
- Uses HSO IIc internal battery to allow stand-alone operation
- Can be connected to a large monitor (ideal for training or demonstrations)
- Camera can be replaced with eyepiece for normal operation
- Supplied in a hard carry case



MKIT II MOUNTING KIT

The Mounting Kit provides the flexibility to use the FASEKIT almost anywhere. It includes a robust tripod and G-Clamp for situations where there is no work surface available. The Mounting Kit is supplied in a padded tripod bag. Each of the items in the MKIT II are also available separately.

Fibre Handler

The Fibre Handler transfers the spliced fibres from the FASE II to the HSO II removing the need to handle the unprotected splice. It securely holds cable diameters from 250µm to 5mm.

Mounting Plate

The Mounting Plate secures both FASE II and HSO II creating a secure splicing platform in any situation. It also has mounting points for the LCD mounting bracket and the cleaver bracket.



Also Available

FPK I Fibre Preparation Kit

- Comprehensive kit of tools and accessories
- Space provided for a TRITEC Cleaving Tool
- Ideal for use with any splicing system
- Supplied in a robust carry case





TECHNICAL DATA

Dimensions:	178 x 127 x 106 mm
Weight:	2.5 kg
Fibre Types:	Multimode and Singlemode
Ave. Loss (SM):	Typical 0.05 dB (max. 0.10 dB)
Ave. Loss (MM):	Typical 0.05 dB (max. 0.10 dB)
Splice Programs:	10 preset plus 10 custom
Internal Supply:	12 V sealed lead acid battery
Splices/Charge:	>100 during 8 hours operation
External Supply:	18 Vdc (universal mains charger supplied)

Dimensions:	178 x 102 x 106 mm
Weight:	2.5 kg
Heating Temp.:	160°C±3°C (factory settable)
Heating Cycle:	75 seconds (factory settable)
Cooling Cycle:	60°C or 2 minutes
Internal Supply:	12 V sealed lead acid battery
Ops./Charge:	60
External Supply:	18 Vdc (universal mains charger supplied)

TECHNICAL DATA

	TCII+	TC A8
Dimensions:	116 x 85 x 33 mm	70 x 70 x 40 mm
Weight:	0.5 kg	120 g
Fibre Diameter:	125 - 140 µm	80 - 140 µm
Buffer Diameter:	250 µm - 2.5 mm	250 µm or 900 µm
Cleave Length:	3 - 30 mm	1 - 30 mm
Cleave Angle:	less than 0.5°	typically 0.7°

Dimensions:	460 x 330 x 160 mm (approx.)
Weight:	4 kg (approx.)
Contents:	Tight Buffer Stripping Tool Primary Coating Stripper Rotary Tube Cutter Cable Jacket Stripper Kevlar Cutter Fluid Dispenser Junior Hacksaw Trimming Knife Heavy Duty Side Cutters Lint Free Wipes Cotton Buds Splice Protection Sleeves Cleaning Brush

Due to continuing development TRITEC Developments Limited reserves the right to change these specifications

ORDERING INFORMATION

Part	Part n°	Description
FASE II	086835	FASE II Fusion Splicer including charger
HSO II	084884	HSO II Heatshrink Oven including charger
FASE IIc	298559	FASE IIc Fusion Splicer (camera ready)
HSO IIc	488098	HSO IIc Heatshrink Oven (camera ready)
TC A8	430533	TC A8 Precision Optical Fibre Cleaver
TCII+	787648	TCII+ High Precision Optical Fibre Cleaver with sharps collection

Part	Part n°	Description
FASEKIT	101211	FASE II Fusion Splicer HSO II Heatshrink Oven Power supply/charger (086448) Y-cord for charging two units (087148) FASEKIT soft bag (091653)
FASEKIT(LCD)	316531	FASE IIc Fusion Splicer HSO IIc Heatshrink Oven Power supply/charger (086448) Y-cord for charging two units (087148) LCD monitor (026142) CCD Camera (966646) LCD Mounting Bracket (024532) Fibre handler (113993) Mounting plate (114347) FASEKIT hard case (204190)

Part	Part n°	Description
MKIT II	115825	Mounting Kit or available separately
	113993	Fibre handler
	114347	Mounting plate
	114535	Tripod
	114786	Tripod head
	115085	Clamp Magic
	115452	Mounting kit bag
FPK I	955765	Optical Fibre Preparation Kit
CMS II	282788	Video power supply (allows the camera/monitor to be used without the HSOIIc)
	339203	Cleaver mounting bracket, fits to mounting plate
	035455	FASE II spare electrode

CONTACT INFORMATION

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www.tritec-dev.com



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