

Lançamento
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Fujikura



MÁQUINA DE FUSÃO 42S

CASCA - V-GROOVE ATIVO

A MÁQUINA DE FUSÃO 42S FUJIKURA, DE ALINHAMENTO DOS 3 EIXOS PELA CASCA COM V-GROOVE ATIVO, INTRODUZ UMA NOVA MANEIRA DE PREPARO DAS FIBRAS, COM A PREPARAÇÃO, CLIVAGEM E POSICIONAMENTO DAS DUAS FIBRAS DA EMENDA SIMULTANEAMENTE, COM GANHO DE ATÉ 30% NO TEMPO DA OPERAÇÃO EM RELAÇÃO À SUA ANTECESSORA. O DECAPADOR SS05, O CLIVADOR CT50, AMBOS PARA 2 FIBRAS, E O EXCLUSIVO SISTEMA DE PRENDEDORES-CLAMP HOLDERS DA 42S, GARANTEM A PERFORMANCE.

MÁQUINA DE FUSÃO 42S

CARACTERÍSTICAS



ACTIVE BLADE
MANAGEMENT TECHNOLOGY



ACTIVE FUSION
CONTROL TECHNOLOGY



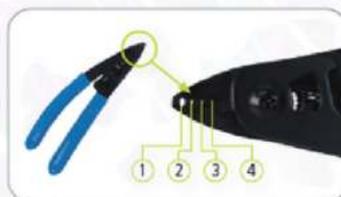
- POSICIONAMENTO SIMULTÂNEO DAS 2 FIBRAS NOS PRENDEDORES (CLAMPS) - PATENTEADO
- PRENDEDORES (CLAMPS) AUTOMATICAMENTE SE ABREM NA ABERTURA DA TAMPA DE VENTO
- CORREÇÃO AUTOMÁTICA DO POSICIONAMENTO DAS FIBRAS PARA FUSÃO
- TECNOLOGIA DE CONTROLE ATIVO DA FUSÃO EM TODAS AS EMENDAS
- TECNOLOGIA DE GERENCIAMENTO ATIVO DA LÂMINA DO CLIVADOR
- COMUNICAÇÃO COM CLIVADOR OU CELULAR VIA BLUETOOTH.
- SISTEMA SMART LOCK, BLOQUEIA A MÁQUINA SE A CONEXÃO É INTERROMPIDA. SEGURANÇA
- PROCESSO DE EMENDA 30% MAIS RÁPIDO
- ELETRODOS PARA 6.000 FUSÕES
- RESISTENTE À POEIRA, À ÁGUA E AO VENTO
- PROTEÇÃO DE BORRACHA CONTRA CHOQUES



Simultaneous Fiber Loading



Sleeve Positioning



Fiber stripper SS-05

- 1 For 2.3 mm
- 2 For 900 μm
- 3 For 250 μm
- 4 For 250 μm

ESPECIFICAÇÕES:

- FIBRA APLICÁVEL: MONOMODO E MULTIMODO
- TELA DE 4,95 POLEGADAS: TOUCH SCREEN SENSÍVEL AO TOQUE
- SISTEMA DE SEGURANÇA COM PADRONIZAÇÃO DE SENHAS
- FUSÃO RÁPIDA MODO (FAST): 6 A 7 SEGUNDOS
- FUSÃO RÁPIDA MODO (AUTO): 8 A 10 SEGUNDOS
- TECNOLOGIA WSI - OBSERVAÇÃO DO NÚCLEO AINDA QUENTE PARA DETERMINAÇÃO DE ESTIMATIVAS DE PERDAS
- ELETRODO COM LONGA VIDA ÚTIL: 6.000 FUSÕES
- AQUECIMENTO DO TUBETE: 15 A 22 SEG.
- BATERIA PARA ATÉ 230 CICLOS
- INTERFACE USB MULTIFUNCIONAL
- BATERIA SUBSTITUÍVEL
- MALETA MULTIFUNCIONAL COM PLATAFORMA
- CLIVADOR CT50 E DECAPADOR SS05
- DISPENSER DE ÁLCOOL ISOPROPÍLICO
- MANUAL DE FUNCIONAMENTO.



MÁQUINA DE FUSÃO 42S ESPECIFICAÇÕES

Parâmetro		Especificação
Fibre alignment method		Active clad alignment
Fibre count can be spliced		Single fibre
Applicable fibre	Fibre type	Single mode optical fibre
		Multi mode optical fibre
	Cladding dia.	Approx. 125µm
Applicable coating	Sheath clamp	Coating dia.: Max. 3,000µm
		Cleave length: 5 to 16mm *1
Fibre splice performance	Splice loss *2	ITU-T G.652: Avg. 0.03dB
		ITU-T G.651: Avg. 0.01dB
		ITU-T G.653: Avg. 0.05dB
		ITU-T G.655: Avg. 0.05dB
		ITU-T G.657: Avg. 0.03dB
	Splice time *3	SM FAST mode: Avg. 6 to 8sec.
	Sleeve dia.	Max. 6.0mm before shrinking
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time *4	60mm slim mode: Avg. 21 to 23sec.
		60mm mode: Avg. 16 to 18sec.
Fibre tensile test force		Approx. 2.0N
Electrode life *5		Approx. 6,000 splices
Physical description	Dimensions W	Approx. 131mm without projection
	Dimensions D	Approx. 123mm without projection
	Dimensions H	Approx. 121mm without projection
	Weight	Approx. 1.4kg including battery
Environmental condition	Temperature	Operate: -10 to 50 °C / Storage: -40 to 80 °C
	Humidity	Operate: 0 to 95%RH non-condensing / Storage: 0 to 95%RH non-condensing
	Altitude	Max. 5,000m
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1A
Battery pack	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V / 3,190mAh
	Capacity *6	60mm mode: Approx. 200 splice and heat cycles Slim mode: Approx. 230 splice and heat cycles
	Temperature	Recharge: 0 to 40 °C / Long Term Storage: -20 to 30 °C
	Battery life *7	Approx. 500 recharge cycles

MÁQUINA DE FUSÃO 42S

ESPECIFICAÇÕES

Parâmetro		Especificação
Display	LCD monitor	TFT 4.95 inches with touch screen
	Magnification	Approx. 132 to 300x
Illumination	V-grooves	LED lamp
Interface	PC	USB 2.0 Mini B type
	External LED Lamp	USB2.0 A type Approx. DC5V, 500mA
	Wireless*8	Bluetooth 5.2
Data storage	Splice mode	100 splice modes
	Heat mode	30 heat modes
	Splice result	20,000 splices
	Splice image	100 images
Other Features	Screw hole for tripod	1/4-20UNC
	Automatic Functions	Fusion control
		Blade management and control
	Reference guide	PDF file stored in splicer
	Sheath clamp	Open with/without Wind Protector
		Close with fibre setting
		Easy sleeve positioning clamp
Electrode	Replaceable without tool	

Notes

*1 Cleave length range depending on fibre type 5 to 16mm: 125µm cladding dia. and 250µm coating dia. 10 to 16mm : 125µm cladding dia. and 400 or 900µm coating dia.

*2 Measured with a cut-back method relevant to ITU-T and IEC standard after splicing Fujikura identical fibres. The average splice loss changes depending on the environmental condition and fibre characteristics.

*3 Measured at room temperature. The definition of splice time is from the fibre image appeared in LCD monitor to the estimated loss displayed. The average splice time changes depending on the environmental conditions, fibre type, and fibre characteristics.

*4 Measured at room temperature with the AC adapter. The heat time is defined from the start beep sound to the finish beep sound. The average heat time changes depending on the environmental conditions, sleeve type and battery pack condition. In addition, since the heating operation is constantly optimised, the average heating time changes depending on the usage conditions of the fusion splicer.

*5 The electrode life changes depending on the environmental conditions, fibre type and splice modes.

*6 Test condition(1 Splice and heat time:1 minute cycle(2) Using the splicer power save settings, subject to our testing condition.(3) Using a not degraded battery(4) At room temperatureThe battery capacity changes when testing with a different conditions from the above.

*7 The battery capacity decreases to a half after approx. 500 discharge and recharge cycles, The battery life is shortened further when using outside of the storage temperature range, operating temperature range, if completely discharged by storing for a long time without recharging.

*8 Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc