

83S



Digital Core Alignment Fusion Splicer

FTTx Active V-groove Fusion Splicer

DACAS-Digital Analysis Core Alignment Systems (PAS - Profile Alignment Systems) with 4 motors

4.3" high resolution color LCD touch screen, anti-reflective, visible clearly with bare eyes

Auto-splicing mode, using friendly design

German CNC technique and integrated fiber-adjust frame, which make performance much stable

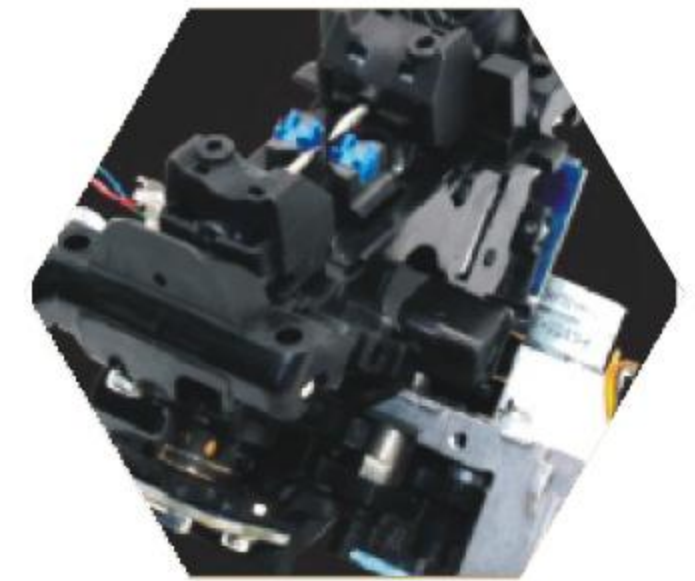
3 high-power white LEDs and illuminated keypads simplifies your work at night

Detachable multifunction fixture, suitable for various fiber type

Dust-proof, water-proof, high-temperature resistance, adapting to various altitude and harsh environment

Optical imaging system ranks No. 1 in the world

Built-in Japanese components and Korean chipset



Integrated fiber-adjust frame



4.3" touch screen



Detachable multifunction fixture



Fiber endface melter & fusion splicer 2 in 1



ECONOMIC FUNCTIONAL CONVENIENT RELIABLE

FTTx Active V-Groove Digital Core Alignment Fusion Splicer

Splicer Master 83S

Digital Core Alignment Fusion Splicer

Combining domestic with foreign technologies, Tumtec has been dedicated to providing professional optical fiber solution and become the renowned fusion splicer & fiber cleaver manufacturer for 17 years.



Standard Accessories

Fusion splicer 83S*1
Fiber cleaver*1
Battery*1
Power adapter*1
AC power line*1
Back-up electrode*1
Cooling tray*1
Carrying case*1
Carrying strap*1
User manual*1
Splicing test report*1
Fiber stripper*1
Drop cable stripper*1
Alcohol bottle*1

Equipment Parameters

Model	83S
Dimension	125W*140L*130H (excluding rubber bumper) / 140W*165L*135H (including rubber bumper)
Weight	1950G (with battery) / 1550G (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652& G.657)/MM(ITU-T G.651)/DS(ITU-T G.653)/NZDS(ITU-T G.655)
Compatible Fiber/Cable	0.25 - 3.0mm/Indoor Cable
Cleaved Length	Diameter: 0.125 - 1 mm/Cleave Length: 5-16mm
Cladding Diameter	80 - 150 μm
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60mm), max 100 modes
Typical Splice Loss	SM: 0.02dB / MM: 0.01dB/ DS: 0.04dB / NZDS: 0.04 dB/ G.657: 0.02dB (ITU-T Standard)
Return Loss	≥ 60dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6s
Estimated Splice Loss	Available/Accuracy:0.01dB
Heating Sleeve Length	20 - 60 mm
Heating Time	Quick heating time: 13s, typical heating time: 25s
Results Storage	20000 latest records & 200 images
Tension Test	1.96 - 2.25N
Operating Condition	Operating Altitude: 0 - 5000m above sea level, 0 - 95% relative humidity, - 10 ~ 50 °C, Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40 ~ 80°C
Display	90° bi-directional view, 4.3" Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y: 500X Magnification
Power Supply	AC Input 100 - 240V, DC Input 10 - 15V
No. of Splice/Heating with Battery	TWP-52: 5200mAh, typical 250 times / TWP-72: 7200mAh, typical 320 times
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0

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