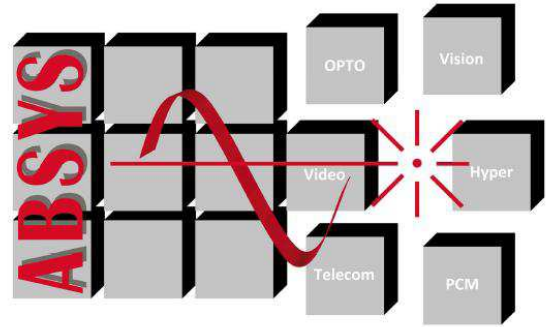


ABSYS S.A.



# Optical Fusion Splicer TC-99A



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TC-99A is a Mini type Fusion splicing machine and have our own intellectual property right of fiber adjustment technology

It adopts advanced PAS Fiber adjustment technology . Adopt four motors drive, have fiber adjustment function, it is not only used for FTTX project, but also can be used for the trunk line, it is a machine which is the smallest volume ,the lightest weight ,the most fast splicing speed

Features;

Hardness : The body is made from titanium alloy , and it has rubber protection function , quakeproof, waterproof, dustproof .

Fast: 7s fast splicing , 25s fast heating, support continuous heating , average efficiency improve 2 ~ 3times.

Long lifetime : 2 batteries ,200 fiber splicing ,no memory effect Lithium Batteries ,the fiber cleaver has 24 blade , long lifetime.

Convenience: convenient for maintenance.

## **Products Structure Introduction :**

Cooling Pallet

LCD

Replaceable Heating Unit

Heating Device

Windproof Cover

Fixing Ring

USB Port

Keyboard position

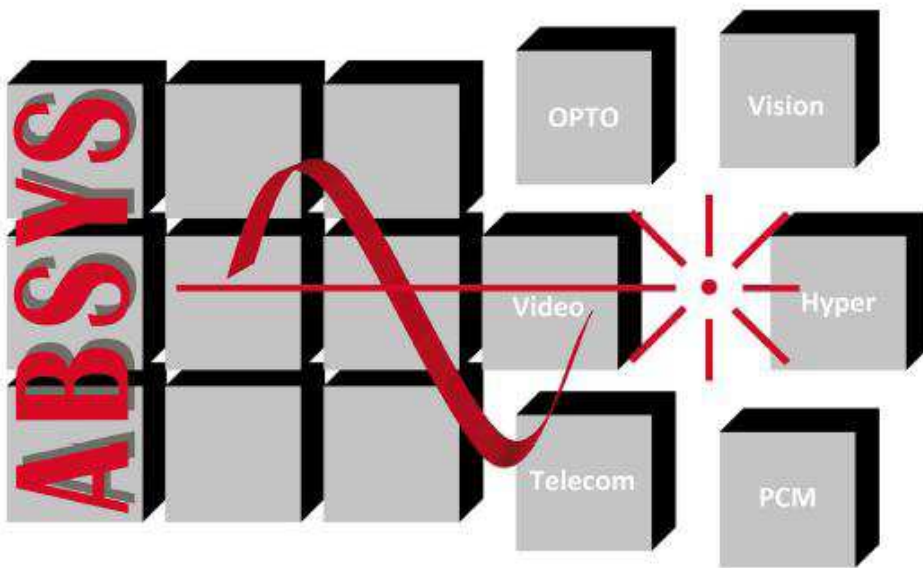
Protection Rubber

## **Interchangeable Fiber Holders :**

Fiber holders adopt Interchangeable design. we can change different fiber holders for different fiber splicing:

- 1、 Splice-on fast connector---3x2mm drop cable
- 2、 Splice-on fast connector---Pigtail fiber (2.0mm or 3.0mm)
- 3、 3x2mm drop cable---3x2mm drop cable
- 4、 3x2mm drop cable - Pigtail fiber (2.0mm or 3.0mm)
- 5、 0.25mm Fiber---0.25mm Fiber
- 6、 0.9mm Fiber---0.9mm Fiber

Subject	Main Datasheet
Applicable Fiber	SM,MM,DS,NZDS
Return Loss	≥60dB
Average Fusion Loss	0.02dB(SM), 0.01dB(MM),0.04dB(DS),0.04dB(NZDS)
Operation Mode	Auto,Half auto,Manual
Fiber Diameter	cladding diameter 80μm~150μm,coating diameter 100μm~1000μm
Fiber Adjustment Mode	Advanced 4 axles Fiber Adjustment Mode
Pull Test	Standard 2N PAS Fiber(optional)
Magnification	Vertical 304times, horizontal 152times.
Image Display	4.3 inch 640*480?LCD.
Memory Capacity	2500results
Splicing Program	150
Splicing Time	7s
Heating Time	Standard 25s , adjustable
Splice Loss Estimate	Internal accurate measurement get the Splice loss result
Languages	Standard Chinese and English, can add other languages, show full working information
Cleave Length	10~16mm(coating diameter<250μm),16mm(coating diameter?250~1000μm)
Heat Shrinkable Tube	60mm,40mm,20mm or according to requirement
Lighting Mode	Internal High-brightness LED supply convenience for night work
Fiber Holder	Interchangeable for fiber cleaver, fusion splicing machine and hot fiber strip device,
Electrode Lifetime	Standard 4500 times, replaceable
Electricity Show	LCD show the remaining electricity accurately
Battery Capacity	Typically splice 200 times, charging for 3 hour (can use when charging)
Battery Lifetime	Cycle life up to 600~800 times, is replaceable by yourself
External Ports	Standard USB Port
Car Power Supply	12V direct charging port, convenient for urgent charging
Power Supply	Internal :lithium battery 11.1V, External Power Adapter, Input: AC100~240V, \ output: DC 13.5V/4.5A
Working Environment	Temperature: -10°C~50°C ;Humidity 95%RH(40°C,no condensing) ; Altitude: 0~5000m
Dimension	L×W×H=151×130×128(mm)
Weight	2.2kg(no battery ), 2.5kg(include battery)



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