



# Comparison Chart

(M7 vs 12S)



You dream,  
we DESIGN

	M7	Fujikura-12S
Picture		
Splicing Method	Active V-groove (4 motors)	Fixed V-groove (2 motors)
AS warranty	3 year	1 year
Interface	GUI	Text
Electrode life	5500 arc	3000 arc
Applicable Fibers	SM(G. 652/657) MM(G. 651) DS(G. 653) NZDS(G. 655)	SM(G. 652/657) MM(G. 651) DS(G. 653) NZDS(G. 655)
Average Loss	SM : 0.03dB MM : 0.02dB DS : 0.05dB NZ : 0.05dB	SM : 0.05dB MM : 0.02dB DS : 0.08dB NZ : 0.08dB
Return Loss	>>60dB	>>60dB
Splicing Time	Typical 13 sec	Typical 15 sec
Heating Time	Typical 20 sec	30 sec
Splicing Program	Max 100 modes	Max 100 modes
Heating Program	Max 30 modes	Max 30 modes
Tension	1.96 ~ 2.25N	1.96 ~ 2.25N
Cleaved Length	10~16mm	5 ~ 13mm
Display	4.3" Double Tapping (Zoom in & out) touch screen color LCD	3.5" Color LCD
Results Storage	splice data : 2000	splice data : 2000
Terminal	Micro HDMI	USB 1.1
Dimension	126W x 132L x 137H(mm)	121W X 162L X 57H(mm)
Weight	1.71kg with battery	776g (with battery)
Power AC	100 to 240 AC	100 to 240 AC
DC	9 to 14 V	10~15V with ADC-02 11.1V with BTR-07
Battery Capacity	typical 110 cycles (3,000 mAh)	typical 100 cycles (with BTR-10)
Operating Condition	0 to 5000m above, 0 to 95%RH and -20 to 60 degC and up to 15m/s wind velocity, respectively	0 to 3660m above, 0 to 95%RH and -10 to 50 degC and up to 15m/s wind velocity, respectively

## Active V-Groove



Fixed V-Groove



Active V-Groove  
INNO Instrument

	Fixed V-Groove	Active V-Groove
Motor	Two motors (2 press motors)	Four Motors (2 align motors and 2 press motors)
Splice losses	High	Low
Influence from the dust	Very Sensitive	Flexible
Influence from position of fiber	Very Sensitive	Flexible