

DMInteract[®]

From Visualization to Collaboration

Intelligent automatic fiber optic fusion splicing machine

DM-41R



Large capacity
lithium battery



Self-
calibration



8 seconds
fast fusion



6 motor
motors



4-core
CPU

Can be preheated, no waiting, can be heated in advance to improve efficiency and reduce waiting time.



8
seconds
fast fusion

18
seconds
heating



WATERPROOF

One-piece molding design.
Can effectively prevent the erosion
of the machine by liquid

ANTI-DUST

Machine external red light source,
power supply interface using a fully
enclosed protective cover



Red light interface



Enclosed dust cover



FALL PROTECTION

Multiple soft rubber protection
layer at the edge to effectively
prevent machine collision damage

7800 mAh Li-ion battery

Can charge cell phones, lighting

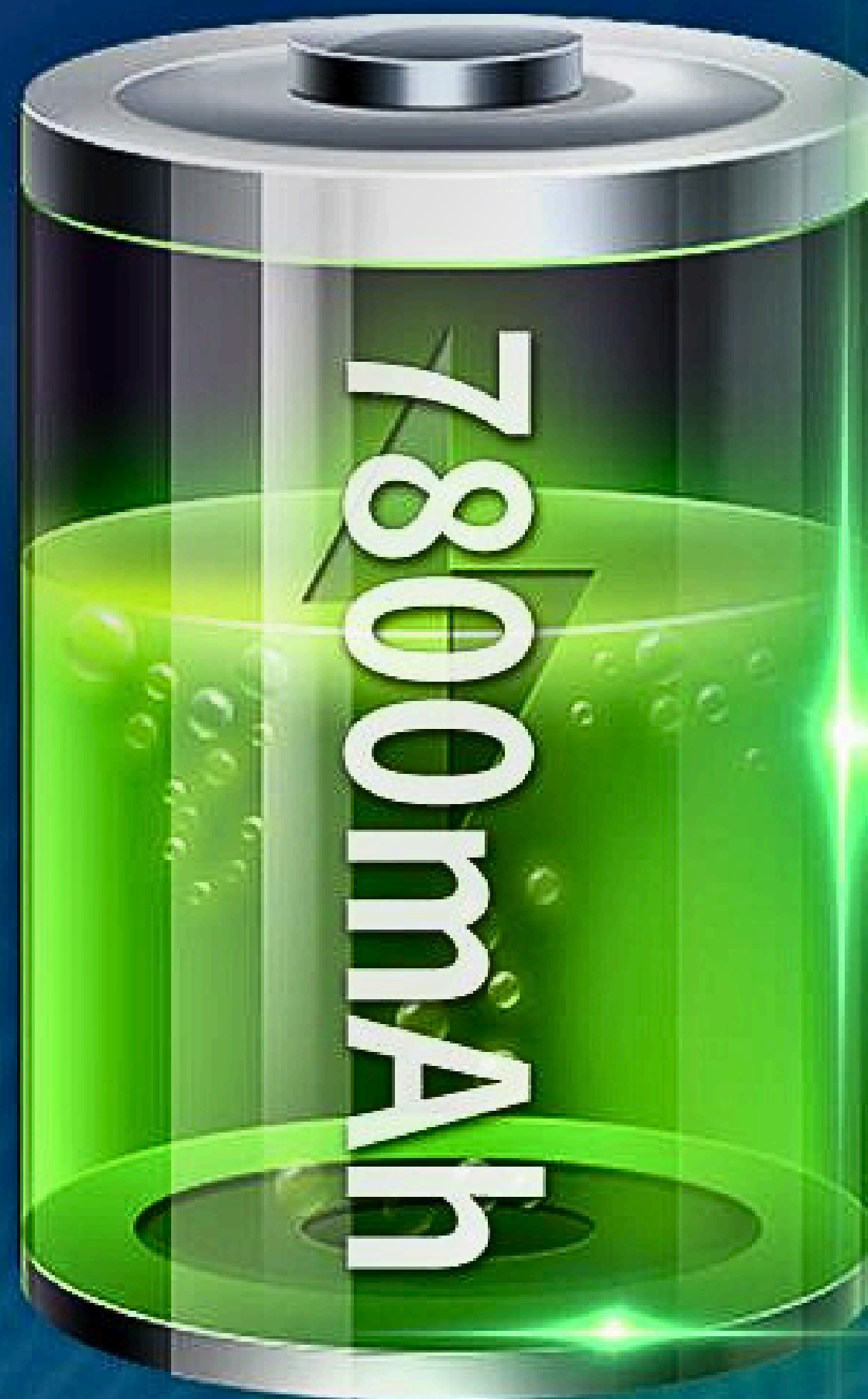
3.5

hours

fast charging

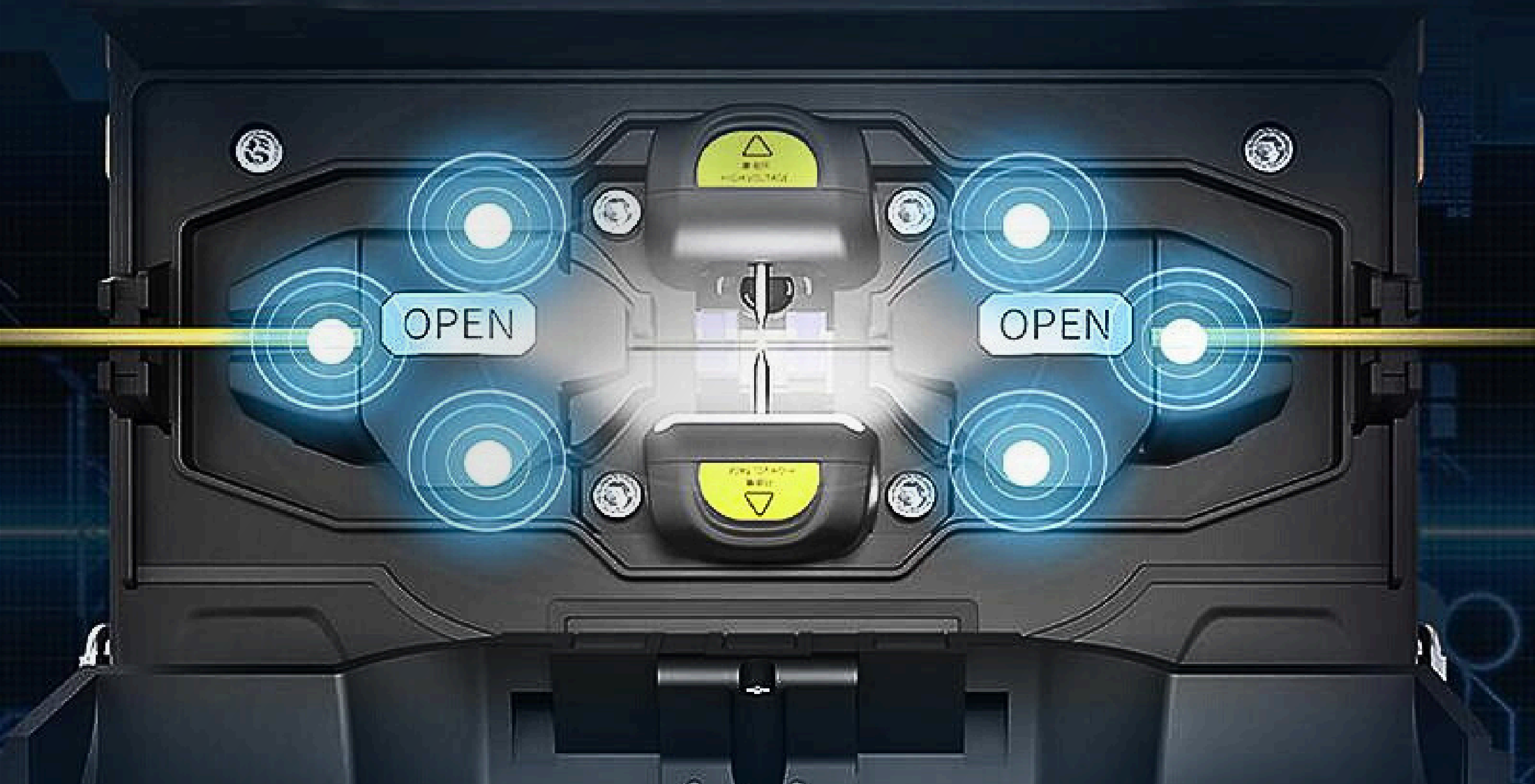
240

times available
for heating



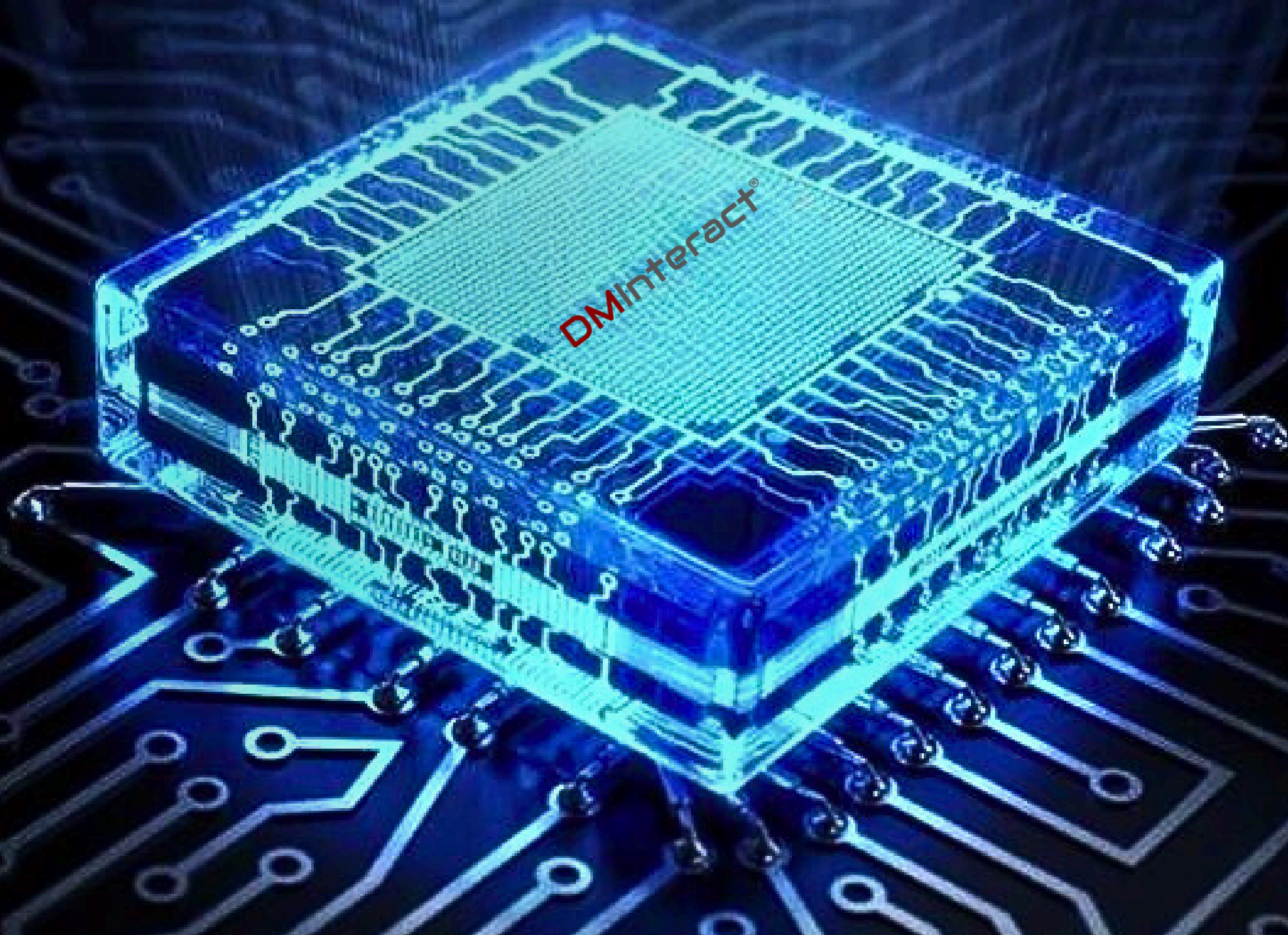
6 MOTORS POSITIONING PRECISE FUSION FIBER

Equipped with 6 motors and precise micro-step guide for faster fusion time and higher efficiency



INDUSTRIAL 4-CORE CPU

The internal core uses an industrial-grade 64-bit low-power processor with powerful decoding capabilities, running smoothly in harsh environments, without crashing or lagging.



ADAPTABLE TO VARIOUS HARSH ENVIRONMENTS

Capable of withstanding harsh weather conditions and special occasions.



Altitude: 0-5000m
Wind speed: $\leq 15\text{m/s}$
Temperature: $-15\sim 50^{\circ}\text{C}$

Technical parameters

Applicable optical fiber	SMF(G.652)、MMF(G.651)、DSF(G.653)、NZDSF(G.655)
Fiber diameter	Cladding layer:80-150μm;Coating layer:0.1-3mm
Splicing loss	0.02dB(SMF), 0.01dB(MMF), 0.04dB(DSF/NZDSF) measured by ITU-I shear method
Alignment method	Fiber core, cladding
Focusing method	Six motors auto-focus
Splicing method	Automatic/Manual
Splicing time	8s (SMF typical)
Relay test	1.96-2.25N
Screen display	Capacitive 5.5" touchscreen LCD
Magnification	300 (X/Y), 150 (X/Y synchronization)
Splicing record	1000 groups
Typical heating time	18S
Heating time	0-60S
Heat shrink sleeve	20mm、30mm、40mm、50mm、60mm
OPM	Range(dBm) :-70~+3/Wavelength: 850nm- 1625nm/Uncertainty:≥0.5%
VFL	≥10mW
Operation Interface	GUI graphical user interface
System Upgrade	USB Upgrade
Electrode Rod Life	3000 times
Lighting method	Automatic/Manual
Battery Capacity	7800mAh
Charging time	≤3.5h
Output Voltage	DC 11.1V
USB port output	5V/500mA
Charger	Input: AC 100-240V, 50/60Hz, Output: DC13.5V/4A
Working Environment	Temperature:-15°C- +50°C / Humidity:≤95%RH (no condensation) / Altitude:0-5000m / Wind speed:≤15m/s
Storage conditions	Temperature:-40°C-+80°C / Humidity:0-95%
Size	Length X Width X Height: 190mmX146mmX117mm
Weight	1.74KG (with battery), 1.24KG (without battery)

PRODUCT SIZE

5.5 inch
touch screen

Windproof cover

Heating Slot

11.7cm/4.6inch

19cm/7.5inch

14.6cm/5.7inch

Operation buttons

Visual red source

Optical power meter



PRODUCT LIST



DM-41R Fusion Splicer



Toolbox



Built-in
lithium battery



Cutter



Electrode rods



Heat Shrink Tubes



Power adapter



Miller Pliers



Leather
Cable Stripper



Alcohol bottles



Shoulder Strap



Brushes



SPECIAL OFFER

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