

# A3

## A3, CLAD ALIGNMENT ARC FUSION SPLICER



- New Friendly GUI Design
- SOC Support
- 4.3" Color LCD Touch Screen
- Portable Charger Support

**BELIEVE YOUR EYES**



### DETAILED VIEW |



You dream,  
we **DESIGN**

# TECHNICAL SPECIFICATIONS

## Specifications

|                       |   |
|-----------------------|---|
| Model                 | A3  |
| Alignment Method      | Clad Alignment (4 Motors)   |
| 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)   |
| Cladding Diameter     | 80 ~ 150µm  |
| Cleaved Length        | Diameter: 0.125mm ~ 1mm (coating) / Cleave Length 5 ~ 16mm  |
| Typical Splice Loss   | SM: 0.03dB / MM: 0.01dB / DS: 0.05dB / NZDS: 0.05dB / G.657: 0.03dB<br>(Measured by fusion splicing compensating cutback according to ITU-T standard) |
| Return Loss           | >> 60dB   |
| Estimated Splice Loss | Available   |
| Splice Time           | Quick mode 7s   |
| Splice Mode           | Preset 6 kinds of splicing mode, Max 320 mode available   |
| Heating Sleeve        | 20 ~ 60mm   |
| Heating Time          | 15s (45mm), 20s (60mm)  |
| Heating Mode          | Max 32modes   |
| Pull Test             | 1.96 ~ 2.25N  |
| Dimension             | 197W x 137D x 87H mm (including rubber bumper) / 187W x 128D x 82H mm (excluding rubber bumper)   |
| Weight                | 1.206kg (with battery) / 0.997kg (without battery)  |
| White LED             | 2 White LEDs  |
| Monitor               | 4.3" Color LCD display, Full touch screen   |
| Fiber View            | X, Y, X/Y   |
| Magnification         | 120 ~ 240x  |
| Results Storage       | 10,000 Splice data / 10,000 Splice image  |
| Power Supply          | AC Input 100 ~ 240V, DC Input 9 ~ 14V   |
| Terminal              | USB Type C  |
| Battery Capacity      | 3000mAh Battery Capacity, Typical 150 cycles (Splice+Heat), Power save mode 200 cycles (Splice+Heat)  |
| Electrode Life        | 5500 arcs discharges  |

## PACKAGE LIST Standard Package

| Model / Part No.            | Description                    |      |
|-----------------------------|--------------------------------|------|
| <b>Main Unit</b>            |                                |      |
| A3                          | Fusion Splicer                 |      |
| <b>Standard Accessories</b> |                                |      |
| V11                         | Cleaver                        | 1ea  |
| FH-45                       | Fiber Holder                   | 1set |
| FH-SOC-L                    | SOC Fiber Holder               | 1ea  |
| HTS-SOC-05                  | SOC Heater Cover               | 1ea  |
| JS-1618                     | AC Adapter                     | 1ea  |
| CG-22                       | Cooling Tray                   | 1ea  |
| E-50                        | Electrode                      | 1set |
| LBT-3000-02                 | Battery Pack (3000mAh)         | 1ea  |
| ACC-25                      | Power Cable                    | 1ea  |
| USB-8P                      | USB Cable                      | 1ea  |
| USB-9P                      | USB Cable                      | 1ea  |
| ICC-54                      | Carrying case                  | 1ea  |
| IWS-05                      | Work Station for A2, A3        | 1ea  |
| ST-01                       | Shoulder Strap (Carrying Case) | 2ea  |
|                             | Quick Reference                | 1ea  |

\*USB-8P Type-C USB to Type-A USB (Male) Cable

\*USB-9P Type-C USB to Type-A USB (Female) Cable

! The Information on this catalog is subject to change without prior notice.

## PACKAGE LIST Optional Accessories

| Model / Part No. | Description           |               |
|------------------|-----------------------|---------------|
| TK02-AP01        | Alcohol Pump          | 1ea           |
| TK02-MP01        | Stripper              | 1ea           |
| EG-18            | Electrode Grinder     | 1ea           |
| PS-60S           | Heating Sleeve (60mm) | 1pack (100ea) |

## ENVIRONMENTAL CONDITION & TEST

| Items                      | Specifications  |
|----------------------------|---|
| <b>Operating Condition</b> | Altitude: 0 ~ 5000m<br>Humidity: 0 ~ 95%, non-dew<br>Temperature: -20 ~ 60 °C<br>Wind: up to 15m/sec  |
| <b>Storage Condition</b>   | Humidity: 0 ~ 95%, non-dew<br>Temperature: -20 ~ 60 °C  |
| <b>Resistance Tests</b>    | Shock Resistance : 76cm for bottom surface drop<br>Exposure to Dust : 0.1 to 500um diameter aluminium silicate<br>Rain Resistance : 10 mm/h for 10 mins |

- Water resistance (IPx2)
- Shock resistance (Drop from 76cm)
- Dust resistance (IP5X)



\* We do not guarantee and are not responsible for any damage caused due to tampering of the product under above conditions.