SD-6A Fusion Splicer

The compact crew splicer: 4-motor core alignment and a 6-second fully automatic splice, with a power meter and VFL built in.

Alignment decides the splice before the arc fires: four motors centre both fibers on their cores in X and Y, and the fully automatic cycle takes it from there — align, arc, estimate — in 6 seconds. The SD-6A keeps the checks in the same box, with a built-in power meter and visual fault locator, in a compact kit built for FTTH and backbone crews.



SD-6A — touchscreen, keypad and splice chamber

Key Features

- 4-motor core alignment: the motors centre both fibers on their cores before the arc — the alignment class that keeps loss low on backbone and FTTH joints
- 6-second fully automatic splice cycle: load, close the lid, and the machine aligns, arcs and estimates on its own
- Built-in optical power meter and visual fault locator: the joint is verified and the run fault-checked before the case closes
- One 3-in-1 metal holder for singlemode, multimode, bare fiber, pigtails and drop cable — no holder swaps between backbone and drop
- New-structure heater compatible with multi-type connectors; multi-gear adjustable handle for the working angle on site
- Dust-proof, water-resistant, heat-resistant field build in a hard-case kit with cleaver, strippers and cleaning set
- Private labeling made to your requirements — labels with your logo, part numbers and barcodes on the inner boxes and outer cartons, ready for your warehouse

Specifications

Alignment	Core alignment, 4 motors
Splicing time	6 s
Heating time	13 s (auto-heating)
Operation	Fully automatic
Fiber holder	3-in-1 metal fiber holder — singlemode, multimode, bare fiber, pigtail and drop cable
Built-in instruments	Optical power meter and visual fault locator
Heater	New-structure heater, compatible with multi-type connectors
Handle	Multi-gear adjustable handle for multi-scene operation
Field build	Dust-proof, water-resistant and heat-resistant build for harsh field conditions
Dimensions	135.1 × 205.9 × 130.4 mm
Weight	1.75 kg

Two Views

From the front, the keypad and display sit below the splice chamber; in profile the compact body and the adjustable handle show why drop crews carry this one. The kit travels in a hard case with cleaver, strippers and cleaning set.



Front — keypad and display



On the case — the working kit

In Use

Strip, clean and cleave; seat the fibers in the 3-in-1 holder and close the lid — the machine aligns the cores, arcs and estimates the joint on its own. Protect the splice in the heater, then verify on the built-in power meter and walk any fault down with the VFL before the case closes. Keep the V-grooves and lenses clean: housekeeping is the accuracy budget of every field splicer.

OEM & Private Label

The SD-6A is supplied in neutral, unbranded stock as standard. Private labeling is made to your requirements — labels with your logo, part numbers and barcodes on the tools, the inner boxes and the outer cartons, so the goods arrive ready for your warehouse. Custom barcode & contract labeling is applied to every inner box and outer carton to your receiving specification.