Core Alignment Fusion Splicer for Professionals

CFS-100

The core alignment, 3-axis controlled fusion splicer is the perfect companion for splicing small and large projects. The lightweight and flexible splicer allows splicing of all common fibers in average of 9 seconds splicing time.



State-of-the-Art Splicing Technology

Thanks to the core centering and convenient automatic functions, the CFS-100 is extremely precise and very easy to use.

Compatibility that is second to none

Whether multimode or singlemode fibers, pigtails, patch cables or SOCs: The CFS-100 splices all common fiber types

Workflow at the Splice Station

Set up your splice station according to your likes. Thanks to the foldable display, you can operate the device from the front and back.

Technical Data	Fusion Splicer CFS100
Alignment	Core alignment (3-axis-controlled)
Supported fiber categories	Singlemode, multimode
Fiber types and loss values	ITU-T G.651 (MM) ≦ 0.01 dB (typical) ITU-T G.652 (SM) ≦ 0.02 dB (typical) ITU-T G.653 (SM DSF) ≦ 0.04 dB (typical) ITU-T G.655 (SM NZ-DSF) ≦ 0.04 dB (typical) ITU-T G.657 (SM BIF) ≦ 0.02 dB (typical) EDF ≦ 0.04 dB (typical)
Ø Cladding supported	~ 80 - 150 µm
Ø Coating supported	~ 100 - 1000 µm
Splice time	Ø ≤ 9 s (depending on mode and fiber orientation)
Splices per electrode	≥ 5000 splicing operations
Splice modes	Automatic or manual control
Heating time shrink oven	≤ 25 s, adjustable
Battery life	≥ 200 splice and shrink operations
Scope of delivery	1 Core Alignment Fusion Splicer, 1 Fiber Cleaver OFC-30, 1 Pair of electrodes (pre-installed), 1 Pair of universal fiber retention clamps (4 in 1), 1 SOC retention clamp, 1 SOC shrink oven retention clamp, 1 Li-Ion battery, 1 Cooling tray for shrink oven, 1 Power adapter + power cord, 1 Micro-USB cable, 1 Carrying case, 1 Carrying strap for carrying case, 1 Quick Start Guide, 1 Manual, Maintenance Tools
Order no.	NP-CFS100



For professional splicing of all common fiber types

- The lightweight and flexible precision splicer allows splicing of G.651 fibers with a splice loss below 0.01 dB and of G.652 fibers below 0.02 dB (typical).
- Equipped with detachable universal retention clamps, SOC clamps and internal thermometer and barometer, the CFS-100 can be used anywhere.
- Fast five seconds start up time and an average of nine seconds per splice as well as the automatic heating furnace for shrink sleeves speed up the workflow and lead to more splices per time.

Features

PRECISE SPLICING RESULTS | UNIVERSALLY APPLICABLE | 4 IN 1 FIBER RETENTION CLAMPS
FULLY AUTOMATIC | AUTOMATIC SHRINK OVEN | LED LIGHTNING