

3SAE FIBER PREP UNIT II (FPU II)



The 3SAE Technologies Polyimide Fiber Preparation Unit II (FPU II) provides non-contact, chemical-free window stripping and end stripping of polyimide-coated optical fibers in a small, affordable package.

The FPU II features 3SAE's patented Ring of Fire® Technology, which surrounds the fiber with uniform heat and controlled ionic conditions. This patented low-temperature arc process window strips or end strips polyimide-coated optical fibers quickly and cleanly without mechanical blades, acid or any other chemicals. The automated process provides consistent stripping results without requiring special operator skills.

The FPU II's control interface is accessed via the mounted LCD and Keypad. This interface provides operational status updates and provides the operator with advanced control of plasma characteristics, temperature, and positioning. The operator can quickly and easily recall and store parameters in any one of up to eight available recipe locations. This allows quick transitions between different optical fiber type stripping programs.

The FPU II is adaptable to your process. Platforms for most fusion splicer fiber holders are available. Strip lengths are adjustable and easily programmable.

Key Features: Fiber Preparation Unit (FPU II)

- Chemical free optical fiber stripping and cleaning
- Compact bench top design
- Variable strip lengths from 2 mm to 30 mm
- Software adjustable parameters
- Supports 3SAE, Fitel, and Fujikura fiber holders by removing installed fixed fiber clamp

Standard Package

Part Number	Product	Includes
FPU-10-0505	3SAE Fiber Prep Unit II (FPU II)	Includes fixed clamps (80-200um coating diameter), power supply, tool kit, spare electrodes (set), electronic user's manual, Manufacturer's 1-year parts and labor warranty

Technical Specifications

Feature	Specification
Dimensions	Dimensions: 190 (W) x 200 (D) x 140 (H) mm
Weight	4.3 kg
Power Source	Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 9 A
Supported Fiber Types	80 µm - 1000 µm polyimide coated*

Accessories and Consumables

Part Number	Description
ACC-01-0175	Power Supply 108W/12V/9A
ACC-01-0064	Fiber Holder 80um, Left - 3SAE (FPU II/PWS)
ACC-01-0143	3SAE Automatic Electrode Cleaner (AEC)
CON-10-0025	Electrode (FPU II/LDS/LFS/PWS) (Requires qty 3)
CON-10-0022	Electrode Cleaning Discs- Black (Pack of 25)
CON-06-0006	Fitel Electrode Cleaning Disc- Pink (ea)