

## 3SAE ULTRASONIC CLEANER (USC)



The 3SAE Ultrasonic Cleaner (USC) is a purpose-built ultrasonic fiber cleaner designed specifically for optical fiber fusion splicing applications. Many years of fusion splicing experience went into the functional, ergonomic design that ensures consistent cleaning results and easy fiber loading.

Operation of the USC is easy and intuitive. The USC 16mm fiber holder rail accommodates Fitel, Fujikura, or 3SAE fiber holders. To operate, simply lower the fiber holder down the rail and press the start button. Audible and visual indicators indicate when the fiber should be removed. Additionally, the unit is designed for operators to dip optical fibers in the ultrasonic bath without the use of fiber holders.

The intensity of cleaning can be adjusted to optimize results for different optical fiber types and sizes. Programmable presets can be provided for special applications.

3SAE's complete line of fiber holder compatible optical fiber preparation tools incorporates the 3SAE Thermal Stripper, 3SAE Ultrasonic Cleaner, and 3SAE fiber cleavers. All are configurable for use with Fitel, Fujikura, or 3SAE fiber holders. Use of fiber holders provides a repeatable handling process across strip, clean, cleave and splice equipment for high strength fusion splicing and improved yield.

### Key Features: Ultrasonic Cleaner (USC)

- Compact, low maintenance bench top design
- Fast cycle time
- One touch operation
- Adjustable cleaning times
- Frequency tuned oscillation
- Operator independent
- Available in two configurations:
- 16mm F/H rail for Fitel, Fujikura, or 3SAE fiber holders
- Removable, Solid Top Cover for use without a holder
- Grounded, universal-input power external supply with worldwide safety agency approvals

### 3SAE Ultrasonic Cleaner (USC) Packages

Part Number	Product	Includes
ACC-01-0100	16mm F/H Rail - Fitel/Fujikura/3SAE compatible	Includes power supply, IPA bottle, electronic user's manual, Manufacturer's 1-year parts and labor warranty
ACC-01-0111	Solid Top Cover - For use without fiber holder	

### Technical Specifications

Feature	Specification
Dimensions	76 (W) x 134 (D) x 191 (H) mm
Weight	1.4 kg
Power Source	Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 9 A
Fiber Cladding	50 $\mu$ m - 1.5 mm
Fiber Strength	80 $\mu$ m - 2.0 mm
Cycle Time	3 - 30s
Reservoir Volume	65 mL

### Accessories

Part Number	Description
ACC-01-0305	USC Solid Top Cover
ACC-01-0306	USC Lid Assembly w/ Fitel/Fujikura/3SAE Compatible Fiber Holder Platform
ACC-01-0175	Power Supply 108W/12VDC/9A