**LASER COMPONENTS**

| A PHOTONICS REVOLUTION

# ULTRASONIC CLEANER

Ultrasonic cleaning has long been the preferred means of cleaning optical fibers for critical application splicing. However, previous ultrasonic technology was designed for cleaning larger objects, and the results were sometimes not optimum for fiber.

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

Operation of the 3SAE Ultrasonic Cleaner is easy and intuitive. The Ultrasonic Cleaner fiber holder rail can be configured to accommodate Fitel, Fujikura, Ericsson 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 to dip fibers in the ultrasonic bath without the use of fiber holders.

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

3SAE's complete line of preparation tools, including the 3SAE Ultrasonic Cleaners, are configurable for use with Fitel, Fujikura, 3SAE or Ericsson fiber holders. Use of fiber holders provides a repeatable handling process across strip, clean, cleave and splice equipment for high strength splicing and improved yield.

3SAE's complete line of fiber holder compatible preparation tools incorporates the 3SAE Thermal Stripper, 3SAE Ultrasonic Cleaner, and 3SAE fiber cleavers.



3SAE Ultrasonic Cleaner with 16mm F/H Fitel/Fujikura/3SAE Compatible Rail Shown Above
(Fiber Holder Not Included)

## Key Features:

- Compact, low maintenance bench top design
- Fast cycle time
- One touch operation
- Adjustable cleaning times
- Frequency tuned oscillation
- One step alcohol disposal
- Available Fitel, Fujikura, 3SAE or Ericsson fiber holder compatible platforms
- Grounded, universal-input power external supply with worldwide safety agency approvals.
- Operator independent

## Technical Specifications:

- Dimensions: 76 (W) x 134 (D) x 191 (H) mm
- Weight: 1.4 kg
- Power Source: Input: 100 - 240 V AC, 50/60 Hz
- No PC Connection Required
- Fiber Holder Compatible for all Fusion Splicers
- No Calibration Required
- Fiber Cladding: 50 µm - 1.5 mm
- Fiber Coating: 80 µm - 2.0 mm
- Cycle Time: 3 - 48 s

| Product | Part Number | Qty |
|---|---|---|
| **Ultrasonic Cleaner Models** | | |
| 3SAE USC | ACC-01-0100 | |
| (16mm F/H Rail - Fitel/Fujikura/3SAE Compatible) | | |
| *Compatible with all Fitel S122, S123, S153, S177, S178, S183, S183PMII fiber holders and S184 S710S-250, 400 & 900 fiber holders* | | |
| *Compatible with AFL/Fujikura FSM-40, FSM-45 and FSM-100 fiber holders.* | | |
| 3SAE USC (18mm F/H Rail - Fitel Compatible) | ACC-01-0102 | |
| *Compatible with Fitel S184 S7105-LDF fiber holders* | | |
| 3SAE USC (12mm F/H Rail - Ericsson Compatible) | ACC-01-0101 | |
| *Compatible with Ericsson 925, 975, 995 and FSU 15 fiber holders.* | | |
| 3SAE USC (Solid Top Cover, No F/H Rail) | ACC-01-0111 | |
| *Unit is designed to dip fibers in ultrasonic bath without the use of a fiber holder. Included is a solid top cover to minimize evaporation and contamination while not in use.* | | |
| **Standard Package** | | |
| Power Supply | ACC-01-0175 | 1 |
| Power Cord | FPU-02-0037 | 1 |
| User's Manual | N/A | 1 |
| Alcohol Squeeze Bottle | SPT-10-0929 | 1 |
| **Optional Components** | | |
| USC Solid Top Cover | SPT-01-0486 | |
| USC Lid Assembly | SPT-01-0497 | |
| with Fitel/Fujikura 16mm F/H Compatible Rail | | |
| USC Lid Assembly | SPT-01-0498 | |
| with Fitel 18mm F/H Compatible Rail | | |
| USC Lid Assembly | SPT-01-0499 | |
| with Ericsson 12mm F/H Compatible Rail | | |

*INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.*

**Designed and manufactured by 3SAE Technologies, Inc. in the USA**

MADE IN THE USA