

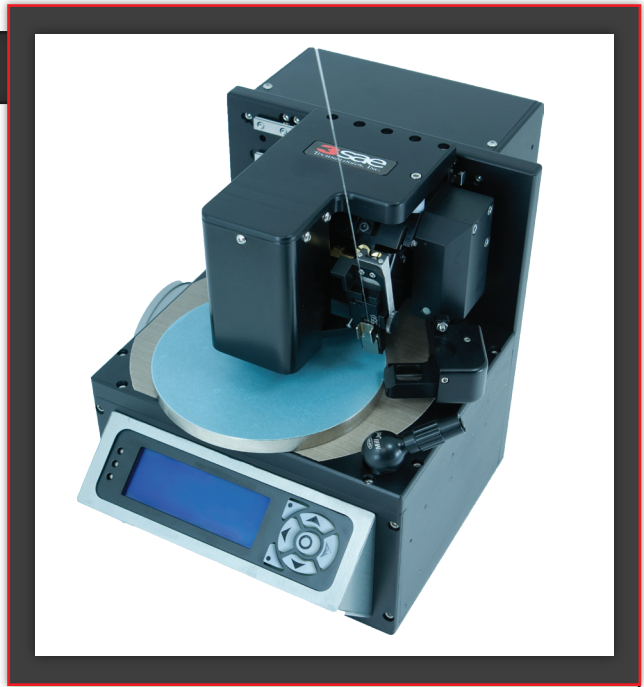
ENDFACE PREP STATION II

Large diameter optical fibers are increasingly important in the development of new optical technologies. Cleaving these fibers presents many challenges, more so as the fiber diameter increases. Low angle offsets and smooth, flat endfaces are required. Many fibers are non-round or have internal structures that interfere with conventional cleaving. With some fibers priced in hundreds of dollars per meter, the length of cutoff scrap must be minimized.

The 3SAE EndFace Prep Station meets these challenges with a novel, polishing-based design that now features both flat and angle polishing. The results are consistent, even for shaped fibers. The endfaces are flat and highly polished. The EPS is not an adapted connector polisher – it is a purpose-built LD fiber preparation unit optimized for splicing and other large diameter fiber termination applications.

Choose from a selection of standard programs, or create and store a custom program for a specific fiber. Selectable programs ensure repeatable performance and the bright, clear LCD screen guides the user with the correct action for each step. No special skill or “touch” is required –the EPS’s precision fixturing holds the fibers precisely, and the automated system lowers the fibers smoothly onto the adjustable-speed polishing plate.

A filtered-air final cleaning/drying system is used to dry the fiber after cleaning in the included 3SAE Ultrasonic Cleaner. The 3SAE Ultrasonic Cleaner is a purpose-built ultrasonic fiber cleaner that was designed specifically for fiber applications. Many years of splicing experience went into the functional, ergonomic design that ensures consistent cleaning results. When the preparation process is complete, the fiber endfaces are flat, low-angle, and ready for splicing. Less than 2 mm of scrap length means less wasted expensive fiber and allows more accurate placement of splices and components.



Key Features:

- Angled polishing capabilities
- Lowest available cleave angles
- Less than 2mm scrap fiber waste
- No additional fiber handling system required
- Operator independent
- Easy handling
- No PC required
- High first pass yield

Technical Specifications:

- Dimensions: 299.7 (W) x 292 (D) x 223.5 (H) mm
- Power Source: External Supply 24 V
- Compressed Air: Max 95 psi., 0.6 SCMF
- Fiber Cladding: 400-2000 µm*
- Cleave Angle: Typical < 0.30°
- Angle Cleaving: Up to 15° of rotation (from vertical).
- Cycle Time: Typically 1-3 minutes
- *Fibers >1000 µm require custom fiber holders, not included.

**INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.*

Product	Part Number	Qty
EndFace Prep Station II	CLV-01-0011	
Power Supply	SPT-10-0846	1
Power Cord	FPU-02-0037	1
User's Manual	N/A	
350 µm EPS II Single Fiber Holder	SPT-01-0381	
550 µm EPS II Single Fiber Holder	SPT-01-0382	
750 µm EPS II Single Fiber Holder	SPT-01-0383	
1000 µm EPS II Single Fiber Holder	SPT-01-0384	
2000 µm EPS II Single Fiber Holder	SPT-01-0385	
*Custom fiber holder available upon request		
3SAE Ultrasonic Cleaner	ACC-01-0001	1
Power Supply	SPT-01-1243	1
SS Polishing Disc	SPT-01-0241	4
Diamond Polishing Papers	N/A	12
Weights	N/A	1
6 mm to 1/4 inch NPT Adaptor	SPT-10-0395	1
Air Line 6 feet at 6 mm	N/A	1
Optional Components		
30um Diamond Lapping Film	SPT-10-1408	
9um Diamond Lapping Film	SPT-10-1410	
3um Diamond Lapping Film	SPT-10-1411	
1um Diamond Lapping Film	SPT-10-1409	
50 g Weight	SPT-01-0198	
100 g Weight	SPT-01-0199	
SS Polishing Disc	SPT-01-0241	
Air Filter	SPT-10-0008	