

# End Face Preparation Station, EPS II

## BARE FIBER POLISHING

Cleaving large diameter optical fibers has many challenges, more so as the fiber diameter increases. Many fibers are also shaped or have internal structures that interfere with conventional cleaving technologies.

The 3SAE End Face Preparation Station (EPSII) meets these challenges and generates very flat and highly polished end faces, with consistent results for round and shaped fibers. The EPS II can also be used for angle polishing with up to 15° of rotation (from vertical). The EPSII is a purpose built LD fi-ber preparation unit designed and optimized for splicing applications.

The EPSII is delivered with a selection of standard programs to ensure repeatable performance. A built in 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 an automated system lowers the -fibers smoothly onto the polishing plate.

The EPSII is delivered with an external ultrasonic cleaner to ensure optimal fiber cleanliness after polishing. The EPSII has a built in (filtered) air nozzle to dry the fiber after the cleaning process.



### 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

<b>Dimensions:</b>	300 (W) x 292(D) x 224(H) mm
<b>Weight:</b>	8 Kg
<b>Power Supply:</b>	100—240V AC, 50/60Hz
<b>Compressed Air:</b>	Max 95 psi., 0.6 SCMF
<b>Fiber Cladding:</b>	400-2000* μm
<b>Polish Angle:</b>	Typical < 0.30°
<b>Angle Polish:</b>	Up to 15° of rotation (from vertical).
<b>Cycle Time:</b>	Typically 1-3 minutes

\* Fibers >1000 μm require custom fiber holders, not included.

Product	Part #	Qty
<b>End Face Prep Station II</b>	<b>CLV-01-0011</b>	
<b>Standard Package</b>		
Power Supply	SPT-10-0846	1
Power Cord	FPU-02-0037	1
User's Manual	N/A	1
350 μm EPS II Single Fiber Holder	SPT-01-0381	1
550 μm EPS II Single Fiber Holder	SPT-01-0382	1
750 μm EPS II Single Fiber Holder	SPT-01-0383	1
1000 μm EPS II Single Fiber Holder	SPT-01-0384	1
2000 μm EPS II Single Fiber Holder	SPT-01-0385	1
SS Polishing Disc	SPT-01-0241	4
Diamond Polishing Papers	N/A	12
50 g Weight	SPT-01-0198	1
100 g Weight	SPT-01-0199	1
6 mm to 1/4 inch NPT Adaptor	SPT-10-0395	1
Air Line 6 feet at 6 mm	N/A	1
3SAE Ultrasonic Cleaner	ACC-01-0001	1
Power Supply	SPT-01-1243	1
<b>Optional Components</b>		
30um Diamond Lapping Film (10pcs)	SPT-10-0473	
9um Diamond Lapping Film (10pcs)	SPT-10-0474	
3um Diamond Lapping Film (10pcs)	SPT-10-0475	
1um Diamond Lapping Film (10pcs)	SPT-10-0476	
Air Filter	SPT-10-0008	

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