

AVoptics Ltd is an authorised distributor for:



## SpecPro™ - Automated Fibre Optic Polisher

- AUTOMATED AND MANUAL MODELS**
- POLISHES ALL CONNECTORS AND MIL-SPEC TERMINI TO TELCORDIA COMPLIANCE**
- PROCESSES UP TO 4 CONNECTORS**
- BARE FIBER POLISHING**
- INTEGRATED AIR-POLISH ROUTINE**
- INDEPENDENTLY SUSPENDED AND OPTICALLY ALIGNED WORKHOLDERS**
- IN-LINE VIDEO INSPECTION**
- PORTABLE WITH AC/BATTERY OPERATION**



### SPECIFICATIONS AND FEATURES

#### Optical Performance<sup>1</sup>

**Back Reflection**  
< -55 dB, UPC  
< -65 dB, APC

**Insertion Loss**  
< 0.25 dB, typical

<sup>1</sup> Optical performance may vary between connector manufacturers.

SpecPro™ is designed for the cost-effective, high-speed polishing of bare fibers and optical connectors. Workholders are available that enable the automated air polishing of connectors. Automation yields superior endface quality over the traditional, off-line manual air polish. SpecPro™ is ideal for low volume manufacturing and field applications providing the identical performance found in larger production polishers.



Universal UPC workholders are available that support all connectors/termini with ferrule diameters between 1.25 to 3.2mm.

#### Polishing Performance<sup>2</sup>

**Connectors**  
**Apex Offset**

< 50 microns

**Radius of Curvature**

10-25 mm, 2.5 mm ferrules

7-20 mm, 1.25 mm ferrules

5-12 mm, APC ferrules

**Undercut/Protrusion**

0 to -50 nm

**Bare Fibers**

**Fiber Diameters**

80 µm to > 1.5 mm using adapters

<sup>2</sup> Polishing performance can be optimized for specific applications.



Krell's SpecVision™ In-line Videoscope can engage with SpecPro™ to inspect connector and fiber surface finishes while the component is loaded in the polisher.

#### Operational

**Connector Support<sup>3</sup>**

Most industry standard connectors/ferrules/Mil-termini including UPC/APC versions, waveguides, fiber bundles, etc.

**Workholder Types**

Manual and automated microfeed

**Polishing Films**

4 inch diameter

**Polishing Motion**

Random orbital

**Timer**

User adjustable, digital cycle timing

**Video Inspection**

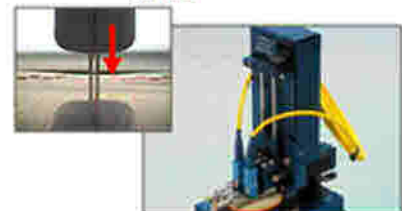
Workholders can interface with the SpecVision™ for in-line viewing fiber finishes

**Power**

AC adapter/9 volt battery

**Size and Weight**

7"x 4.5" footprint  
4.5 lbs



Automated workholders gradually advance ferrules to polishing surface for fiber denub and epoxy removal. Bare fibers can also be polished using the same control mechanism.

Specifications subject to change without notice. Rev. 1.6/13