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

**SPECIFICATIONS AND FEATURES**

**Optical Performance**

<table>
<thead>
<tr>
<th>Back Reflection</th>
<th>&lt; -55 dB, UPC</th>
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<tbody>
<tr>
<td></td>
<td>&lt; -65 dB, APC</td>
</tr>
</tbody>
</table>

**Insertion Loss**

< 0.25 dB, typical

1 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.

**Polishing Performance**

<table>
<thead>
<tr>
<th>Connectors</th>
<th>Apex Offset</th>
<th>&lt; 50 microns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radius of Curvature</td>
<td>10-25 mm, 2.5 mm ferrules</td>
<td></td>
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<tr>
<td>7-20 mm, 1.25 mm ferrules</td>
<td></td>
<td></td>
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<tr>
<td>5-12 mm, APC ferrules</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undercut/Protrusion</td>
<td>0 to -50 nm</td>
<td></td>
</tr>
<tr>
<td>Bare Fibers</td>
<td>Fiber Diameters</td>
<td></td>
</tr>
<tr>
<td>80 μm to &gt; 1.5 mm using adapters</td>
<td></td>
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</tbody>
</table>

2 Polishing performance can be optimized for specific applications.

**Operational**

**Connector Support**
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

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

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.

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