KRELLTECH
ENERGIZE PHOTONIC PERFORMANCE

Scepter X2™
Automated Connector Polishing System

DUAL POSITION OPTICAL POLISHING

DOUBLES CAPACITY OF STANDARD SCEPTER™

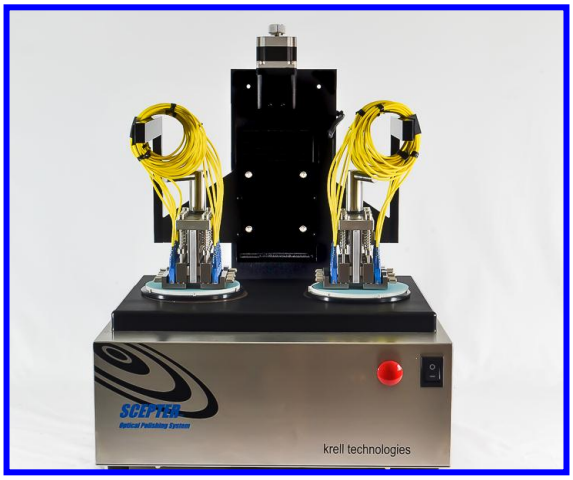
EXTERNAL PC CONTROL WITH MICROFEED™

INDEPENDENT SUSPENSION WORKHOLDERS

SUPPORTS ALL INDUSTRY STANDARD CONNECTORS / MIL-TERMINI / FERRULES

AIR POLISHING IN MACHINE

TELCORDIA COMPLIANT



SPECIFICATIONS AND FEATURES

Polishing Performance[1]

Apex Offset
<50 microns, maximum
<15 microns, typical

Radius of Curvature
10-25 mm, 2.5 mm ferrules
7-20 mm, 1.25 mm ferrules
5-12 mm, APC ferrules

Undercut/Protrusion[2]
0 to -100 nm

[1] Polishing performance meets and exceeds Telecordia specifications, and can be optimized for specific applications.
[2] Dependent upon radius of curvature.

Optical Performance[3]

Back Reflection
< -60 dB, UPC
< -65 dB, APC

Insertion Loss
< 0.25 dB, typical

[3] Optical performance may vary between connector manufacturers.

Operational

Connector Capacity
24 connectors using Independent Suspension workholders
58 connectors with high capacity workholders

Connector Support
All industry standard, MIL-spec and custom connectors/termini

Process Time[4]
Approximately 3 to 8 sec/connector

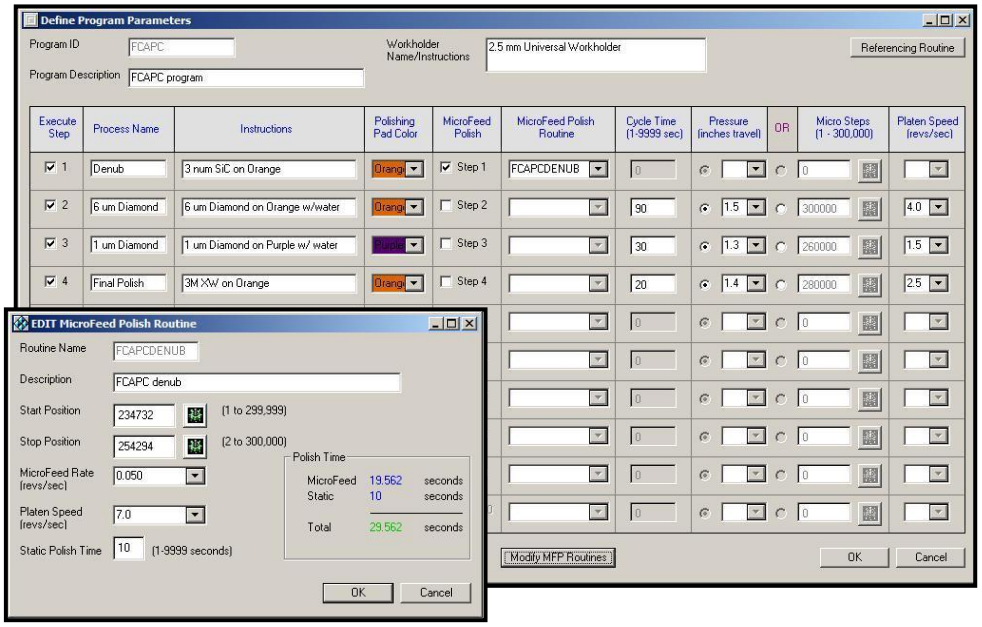
Polishing Pressure
Programmable, sub-micron, automated, linear displacement

Polishing Speed
Program selectable

Cycling Timing
Program selectable

Polishing Motion
Random orbital

[4] Singlemode UPC finish.



Scepter features an intuitive user interface for creating polishing programs. All polishing parameters including cycle time, pressure and speed settings are easily inputted for all connector types and desired surface geometries.

Scepter workholders feature Independent Suspension (IS) at each connector position for controlled pressure and uniform contact with the polishing surface. IS permits air polishing while maximizing film life. Each position is optically aligned for optimal polish geometry using KrellTech's patented technology.

Specifications subject to change without notice Rev. 1, 4/17

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