



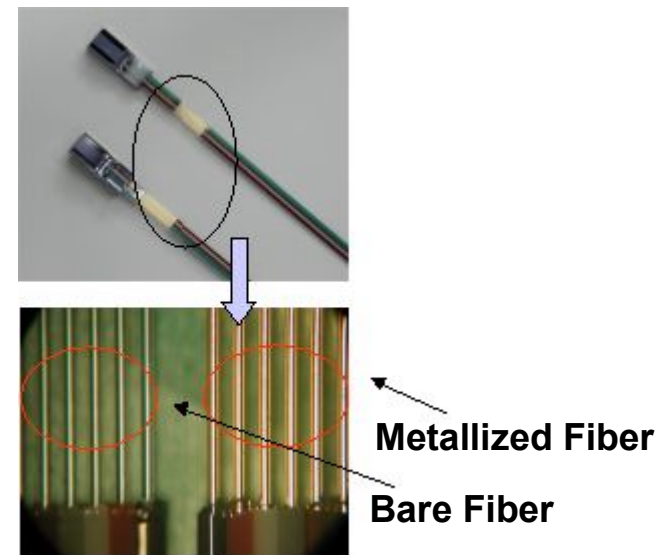
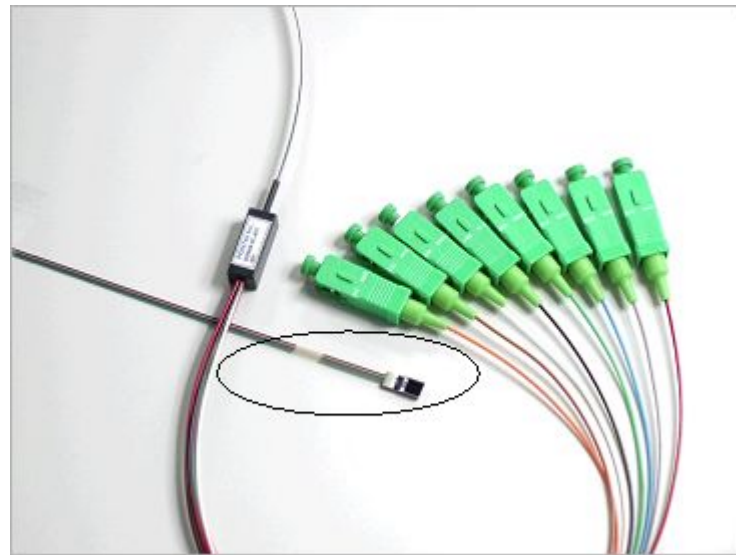
**Technical Reports:
Optical Fiber Electroless Metallization**

POINTek, Inc.

1. Application of Optical Fiber Metallization

POINTek

- ◆ Requirements
 - Strong Metal-to-Fiber Adhesion and Good Fiber Geometrical Accuracy
 - Ni/Au Metallization
 - Low Cost Electroless Plating Process
- ◆ Applications
 - High Environmentally Reliable Interconnection for Optical Devices
 - Opto-Electronic Devices for Hermetic Pigtail
 - Long-Haul Array Optical Passive Devices for Outdoor Application



Planar Optical Integration Technology

2. Reliability

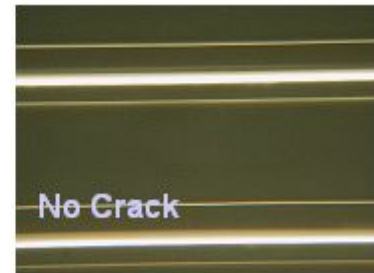
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- ◆ Optical Fiber Electroless Metallization
 - Ni/Au Electroless Plating

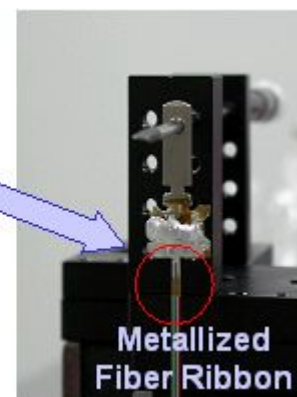
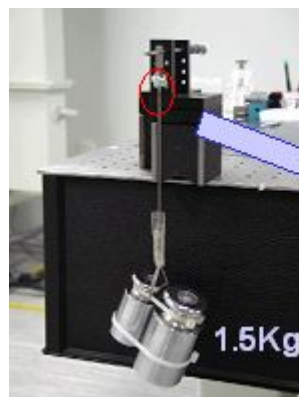
Conventional Process



POINTek's Process



- High Toughness: 12 Hrs Sustenance of 1.5Kg Load for a Ribbon and 0.45Kg for a Fiber



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