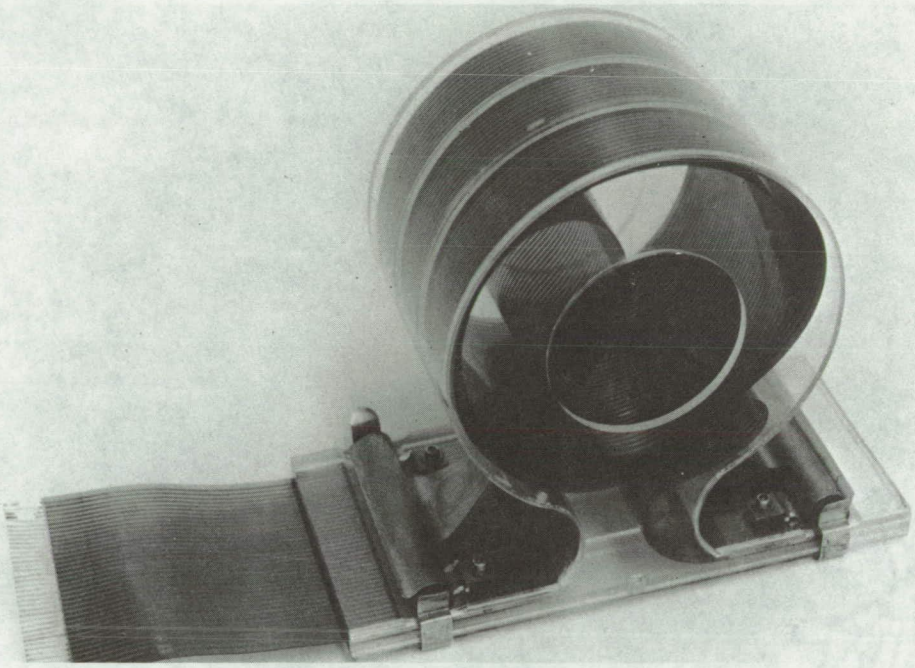
NASA TECH BRIEF

Fixture for Plating Stripped Conductors of Flat Conductor Cables (FCC)



A step in preparing an FCC for termination with a plug is plating the stripped ends of the cable. The fixture shown in the figure conveniently supports the FCC while providing electrical contact to the stripped ends of the cable during the electroplating process.

The fixture holds the cable in the form of a coil. One stripped end of the coil is arranged to extend from one side of the fixture, and the other stripped end (previously plated) is placed in contact with a metal strip. The electrical power supply is connected to this metal strip. The free end of the FCC coil is adjusted so that the plated end contacts the metal strip while the other end extends to immerse the stripped portion in the plating bath. Electrical power is then applied to the previously plated end through the metal strip.

Note:

Requests for additional documentation may be directed to:

Technology Utilization Office
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: TSP70-10719

Patent status:

No patent action is contemplated by NASA.

Source: L. E. Ramsey
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Category 08