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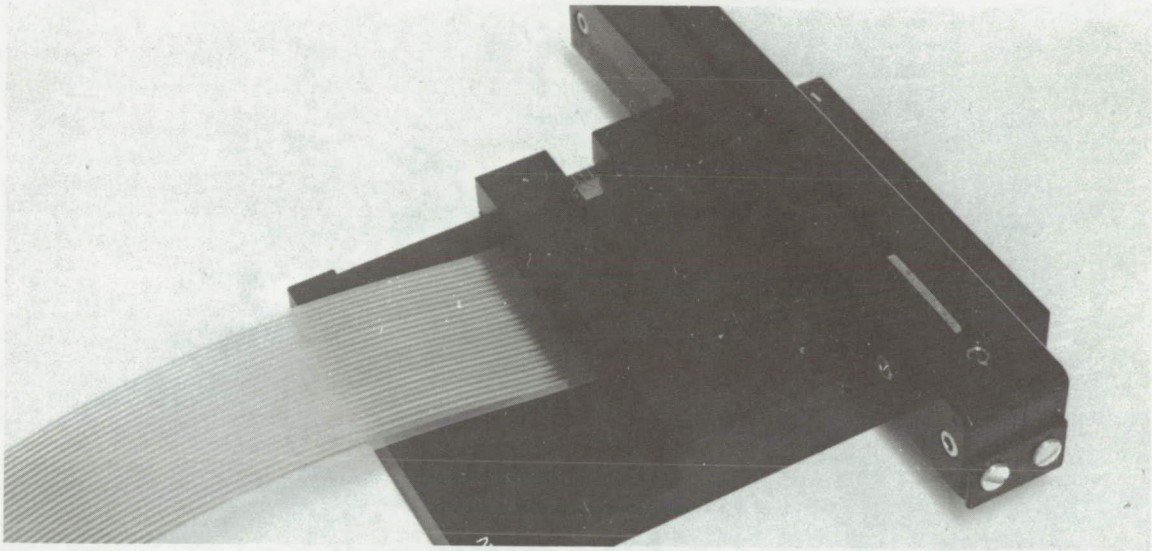
Brief 71-10060

NASA TECH BRIEF

Marshall Space Flight Center

"Hobel" Stripper for Shielded and Unshielded Flat Conductor Cable

The "hobel" stripper is a small portable tool for stripping both shielded and unshielded insulated (e.g., polyimide plastics and fluoropolymers) flat conductor cables. The tool does not require a heated blade, and can expose an area of shield for grounding purposes without removing an area of insulation between the terminated shield and the exposed conductors.



The tool removes small portions of material at a time, to any desired depth, by adjusting a narrow cutting blade and making a series of passes across the cable after each adjustment. The outer insulation, shield and inner insulation can be removed by successive passes, providing a clean exposure of both shield and conductors. A broad step of inner insulation is left beneath the shield (as illustrated) to prevent electrical continuity or arc-over gaps between the shield and conductors when the cable is terminated with a plug. The stripping operation is carried out separately on each side of the cable. After one side is stripped, the cable is turned over in a tool jig and the stripping operation is repeated.

This tool should be useful for terminating cables in the field, or for exposing conductors of an installed cable without having to remove the cable itself.

Note:

Requests for additional documentation may be directed to:

Technology Utilization Office
Code A&TS-TU
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: B71-10060

Patent status:
No patent action is contemplated by NASA.

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