Universal Router Concept

The cutting process is one of routing chips of a controlled size to assure ease of chip collection. An impeller on the router motor shaft directs the chips toward the chip collector. The router is attached to the surface of the workpiece by a suction gasket on the bottom of the cylindrical tool housing when operating in air, and by surface bonding when operating in a vacuum.

Notes:
1. Although originally conceived as a tool for use in space, this router might also be employed as a general-purpose tool to aid in the on-site modification of large structures in construction trades or in heavy industry.
2. This development is in the conceptual stage only, and as of the date of publication of this Tech Brief, neither a model nor a prototype has been constructed.
3. No additional information is available. Specific questions, however, may be directed to:
   - Technology Utilization Officer
   - Marshall Space Flight Center
   - Huntsville, Alabama 35812
   - Reference: B70-10313

Patent status:
Inquiries about obtaining rights for the commercial use of this invention may be made to NASA, Code GP, Washington, D.C. 20546.

Source: W. A. Pesch of Hayes International Corporation under contract to Marshall Space Flight Center (MFS-20756)

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