

NASA TECH BRIEF



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Fail-Safe Numerical Control

Precision machining can be performed using tape or card-programmed numerical control. When a failure occurs in the control circuitry, a workpiece may be damaged before the machine operator detects the failure.

A fail-safe numerical control system has been developed by providing a duplicate set of control logic circuitry. Comparators are used to insure that the same data is present in both circuits. If any discrepancy is found, the machine is automatically stopped, before damage can occur.

Note:

Requests for further information may be directed to:
Technology Utilization Officer
Code A&TS-TU
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: B70-10522

Patent status:

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

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