

# NASA TECH BRIEF



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## Numerical Control Machine Data Manual

A Numerical Control Machine Data Manual was compiled to provide programmers with specific information for various types and sizes of numerical control machine tools and auxiliary equipment. This manual was compiled in January 1962. It includes the following items of information:

1. A photograph of the machine tool
2. An isometric drawing of the machine and control system, with all of the functional members labeled
3. Machine axis dimensions, coordinate systems, and indexing pallets
4. Machine specifications
5. Tool storage magazine, tool changer, and tool identification
6. Isometric drawings of basic machine tooling, including dimensions and notations
7. Reference to a full-scale orthographic drawing of the machine, featuring plan and side views of

- spindle and tooling carriers in correct relationship to each other, including movement limitations
8. Programmer's standard check list
  9. Standard tooling
  10. Start procedure for machine-program language

### Note:

Copies of the manual may be obtained from:  
Technology Utilization Officer  
Marshall Space Flight Center  
Huntsville, Alabama 35812  
Reference: B68-10080

### Patent status:

No patent action is contemplated by NASA.  
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