

MAY 15 1967

IR-8-198 (IX)

**DEVELOPMENT OF THE MANUFACTURING  
CAPABILITIES OF THE  
HYDROSTATIC EXTRUSION PROCESS**

R. J. Fiorentino  
B. D. Richardson  
G. E. Meyer  
A. M. Sabroff  
F. W. Boulger

**BATTELLE MEMORIAL INSTITUTE  
COLUMBUS LABORATORIES**

**INTERIM ENGINEERING PROGRESS REPORT IR-8-198 (IX)**

**March 1967**

*This document is subject to special export  
controls and each transmittal to foreign  
governments or foreign nationals may be  
made only with prior approval of the  
Manufacturing Technology Division*

**METALLURGICAL PROCESSING BRANCH  
MANUFACTURING TECHNOLOGY DIVISION  
AIR FORCE MATERIALS LABORATORY  
RESEARCH AND TECHNOLOGY DIVISION  
AIR FORCE SYSTEMS COMMAND  
WRIGHT-PATTERSON AIR FORCE BASE, OHIO**

## NOTICES

When U. S. Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

DDC RELEASE TO OTS NOT AUTHORIZED.

This document may not be reproduced in any form in whole or in part without prior approval of the Research and Technology Division. However, DDC is authorized to reproduce the document for "U. S. Governmental purposes".

Qualified requesters may obtain copies of this report from DDC, Defense Document Service Center, Cameron Station, Alexandria, Virginia, 22134. Orders will be expedited if placed through the librarian or other person designated to request documents from DDC.

Copies of this report should not be returned to the Research Technology Division unless return is required by security considerations, contractual obligations, or notice on a specific document.

This document is subject to special export controls and each transmittal to foreign governments or foreign nationals may be made only with prior approval to the Manufacturing Technology Division.