

ABSTRACT

This report describes the initial steps taken towards ascertaining the production tooling and the proper process sequences for prototype production of beryllium wire and titanium tubing by hydrostatic extrusion-drawing (HYDRAW). Design specifications have been drawn up for a straight-bore container to be used for the HYDRAW of beryllium wire and consideration is being given to the possibility of using a side-bore container for the HYDRAW of titanium tubing. Design analyses are still being conducted on side-bore containers.

Experimental equipment is being constructed which will be used for process parameter studies in sub-scale hydrostatic tooling.