

TO: RICHARD JACKSON
FROM: MICHAEL KEENEY
SUBJECT: PROGRESS REPORT (11-23-93)

Process Development/Research of NBAR

Continued investigation of alternatives for a production process to manufacture the receiver and barrel unit (RECBAR) has provided renewed optimism. The primary approach involved an Elmass keyway slotting machine. Elmass has produced two sample receivers. Although the dimensional characteristics are very good, an 18-20 min. cycle per completed receiver is unacceptable. The original estimate, which was submitted as a conservative estimate, was 10-12 minutes.

The secondary approach involved rotary forging. This option had been discarded due to preliminary results from in house testing on the existing GFM rotary swaging machines. At that time, GFM was contacted and a request submitted for technical assistance. Apparently technical assistance is not available in the United States. The renewed optimism is a result of discussions with technical representatives from Felss, another supplier of rotary swaging machines. They are fairly confident in their ability to produce a component to the specified geometry. A meeting has been scheduled for Dec. 2, 1993 to review the specific requirements with their representative, after which they will submit a quote for fully processed samples.

XP-100 Wood Stock

The trigger spring assembly for the hunter version has been transmitted. Production quantities of trigger springs are expected by 12/2/93.

M/7400 M.I.M. Operating Handle

The alteration of the M.I.M. tooling to increase the corner radius has been completed. Ten samples were submitted to the Test Lab for evaluation.

Model Seven Feeding Improvements (.17, .222 & .223 cal.)

The design alterations have been completed and transmitted. The improvements involved the addition of an insert that would be assembled to floor plate prior to the magazine spring. The insert will control the position of the magazine spring.

The complications with the Model Seven prompted investigation of the Model 700 BDL line. It appears that the occasional feeding malfunction of .17, .222 and .223 calibers is present. The design of an insert for the M/700 BDL has also been transmitted.