

To: Richard Jackson  
From: Joseph Mead  
Subject: Progress Report (11/30/93)

M/700 Detachable Trigger Guards (long and short)

Both molds have been modified with the changes to the inside of the mag box area and the height in the front of the Guard. The long action has been approved for production. The short action has been tried and we are measuring mold samples now.

M/700 Synthetic Stock

We have completed the material saver for both Receiver cores, Remington logo, barrel type identification, and additional venting to minimize knit lines. The mold was run off at Oneida Molded Plastics with expected quality improvements being realized. Cooling fixture modifications were implemented that will improve the fit of the action.

M/700 Recoil Pad

A new injection moldable rubber has been approved to replace Alcryn. Three Rivers Tool has installed the new core design on one cavity that will maximize flexure. The mold is being textured to eliminate glass bead and will be run off at OMP Phoenix on 12/10/93. After acceptance, the other three cavities will be modified.

M/522 Synthetic Mag Box

The mold has been modified to obtain maximum strength in the feed lip area. The mold has been run off with two materials that look very promising. Boxes have been assembled and are in the Test Lab for endurance and feeding evaluation. Initial design concepts have been developed for a production mold. The prototype mold has been modified so that it could be used for initial production quantities while a new mold is being built.

Synthetic Common Trigger Plate

Modifications have been made to our single cavity experimental mold that included strengthening the bow and moving the gate to a non cosmetic area. Machinability of the materials is satisfactory. Initial testing indicates that the mechanical strength of the materials is excellent. Assemblies are being built for dry cycle testing. Mold concepts have been developed that will remove the parting line from the center of the bow.

Synthetic Short Stock & Fore Ends

Mold designs for the common Short Stock and all three Fore Ends have been completed. Electronic files with NURB surfaces are being evaluated by Three Rivers Tool for construction of cavities. We will assist with programming if necessary. There have been weekly meetings since the purchase orders were placed with all work on schedule. The M/870 Express will be ready for mold try the first week in March 1994, followed by the M/870 Police and the M/1187 Fore Ends. Differentiation of the M/1187 Stock needs to be resolved. A formal request for quote is being evaluated by Oneida Molded Plastics to determine pricing and delivery on these parts.