

To: Richard Jackson
From: Joseph Mead
Subject: Progress Report (10/28/93)

M/700 Detachable Trigger Guards (long and short)

New designs have been submitted to Tool Products and the molds have been modified. We will sample the long action on 11/04/93. Developed masking for the Gloss Trigger Guard powder coat process, and assisted with miscellaneous process development of initial Trial and Pilot lots.

M/700 Synthetic Stock

We have completed the material saver for the long action Receiver core, Remington logo and barrel type identification, and additional venting to minimize knit lines. The mold will be run off at Oneida Molded Plastics during the first week of November.

The C.N.C. programs for the inletting machine have been written and debugged for both long and short action M/700DM Stocks. A sample synthetic Stock has been approved by Marketing.

M/700 Recoil Pad

A new injection moldable rubber has been tried that molds much better than the existing Alcryn. The material shortens the machine cycle by approximately 20%, minimizes flow lines, is 10% softer and less expensive. The parts are being tested now for chemical resistivity. A purchase order has been submitted to Three Rivers Tool to radically increase the coring in the parts to maximize flexure. We will modify one of the four cavities and run parts for marketing approval before proceeding with the balance of the cavities. The mold will be textured at that time to eliminate the glass bead blast operation.

M/522 Synthetic Mag Box

A purchase order has been placed with Three Rivers Tool to modify the mold to obtain maximum strength. The mold will be run off with at least two materials from the previous test plus an additional material that looks very promising. 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. Four sample materials have been molded. Machinability tests are being conducted along with mechanical strength tests. We are developing mold concepts that will remove the parting line from the center of the bow.

Synthetic Short Stock & Fore Ends

The designs for both M/870 Fore Ends and the M/1187 Fore End have been completed. A Common Short Stock has been approved by Marketing. Purchase orders have been released for construction of four production molds. 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 along with texture. The mold builder has been supplied with artifacts and computer files of the parts. Weekly progress meetings will be held at the vendor location. We are holding discussions with Oneida Molded Plastics to determine pricing and delivery on these parts.