

Progress Report  
Joseph P. Mead

M/700 Detachable Items:

- Investment Cast Mag Latches and Followers (left and right): The molds have been approved for production. The fixtures and programs for secondary operations have been completed, CMCi is machining the parts due to capacity constraints.
- Trigger Guards (long and short): A great deal of problems were encountered with ejection of the parts. Both molds have been temporarily modified yielding parts that require additional machining at the top of the Magazine box. We are also changing the overall height at the front of both Guards so they fit the stocks better. New designs have been submitted to Tool Products and we are awaiting quotations.
- Synthetic Stock: The mold is running at Oneida Molded Plastics in Phoenix, N.Y. The new rotating fixture adapter for the existing inlet fixture has been installed and debugged. The inletting operation has been moved to the new Partner milling machine in building 50-4. We are currently running the Hause rotator manually for the M/700DM T&P as the electrical integration is not complete. The material saver for the long action, Remington logo, barrel type identification, along with additional venting will be completed during the week of 10/11/93.

M/700 Recoil Pad: We are still experiencing difficulties in molding these parts in-house. We opened the gates in the Tool Room, and have had the HPM factory man in to repair items on the machine. We have sent the mold out to have a texture pattern installed that should mask the flow line problems. Designs have been submitted to Three Rivers Tool to radically increase the coring in the parts to maximize flexure. This "softer" feel seems necessary for Marketing acceptance. We will modify one of the four cavities and run parts for marketing approval before proceeding with the balance of the cavities.

M/522 Synthetic Mag Box: Four new materials were molded with the experimental mold. One sample consistently went over 800 rounds. The parts were examined and modifications to the mold have been determined that will strengthen the design. A purchase order has been placed with Three Rivers Tool to modify the mold for the next mold run. The work will be completed by 10/18/93. We will run again at this time. We are also investigating chrome plating the parts to improved surface toughness.

Synthetic Common Trigger Plate: Modifications have been made to our single cavity experimental mold that included strengthening the bow. Sample parts were to be molded by the first week in September for testing in the lab but problems with other parts and M/700DM T&P has delayed us. We expect to mold parts by 10/15/93.

Synthetic Short Stock & Fore Ends: The designs for both M/870 and 1197 Fore Ends common short Stock have been completed and approved by Marketing.