

December 31, 1991

TO: Hal Munson
FROM: Jim Ronkainen

SUBJECT: December Monthly Report

M/700 SS

The M/700 SS gun for the SHOT Show was restocked with a polypropylene stock and returned. John Balio's sample gun for the sales meeting was completed on time with help from the Custom Shop and the M/700 bolt department (Lee Vandawalker). Stainless components to make bolts for design acceptance testing have been given to Lee to run through his area. The barrel shop has started the first stainless GFM barrels. The barrels have been successfully drilled, reamed, and turned on production equipment by Jim Rabbia and Joe Pickett. The barrels should be ready for forging in early January. Plans to make all barrels for design acceptance testing are being made. Six Enterprises has moved their stock mold to Arkansas. A trip to visit the new molder to go over the changes we are asking for has been scheduled for the first week in January. Recycled PET is now also a candidate material for the M/700 SS stock if it can meet the weight requirements for the stock. Dry cycle testing of the plated trigger assemblies has started in the Test Lab. Several safety detent springs (both plated and unplated) have broken at approximately 10000 cycles. This may be due to the inexact displacement control of the safety on/off actuator of the dry cycle apparatus causing the safety to overtravel when it is moved to the "on" position, overstressing the spring. Further investigation is needed to be certain this is the cause.

The drawing package for the M/700 SS was transmitted. Purchasing was given advance prints for all vended parts. Dick Bouck put up the structures for the M/700 SS so that the production schedule will drive orders for material needs in a timely manner.

M/700 Detachable Magazine Box

Prototype boxes with integral side latches from EMT look very good. The box will not be shown to the gun writers at the SHOT Show. Fred Martin and Ed Klock are incorporating EMT's design suggestions into the CAD database for the magazine. A fully functional prototype should be ready to show marketing at the January Product Team Meeting.

M/700 220 Swift

Testing of the M/700 220 Swift was completed on 12/6/91. The final accuracy results were 1.512" average group size for three 5 shot groups after which the rifle passed the intentional abuse test. The

barrel was given to Fred Schmidt for metallurgical analysis.

M/700 AS Camo Stocks

Both altered M/700 AS long action standard caliber stocks cracked forward of the magazine well at proof during testing in the Test Lab. One of the stocks then cracked across the web between the magazine well and the fire control cut when fired in the heavy jack. The other stock completed the testing without further damage. The cracks appear to be on a knit line in the stock. If the cracking problem is present in all long action standard caliber AS stocks, the stocks will need to be replaced. Note, there will be a delay in the supply of stocks from the vendor as they have recently moved the tooling and started to rework the mold to use polypropylene for the M/700 SS.

M/7 Youth Rifle (Compact Hunter)

Two additional calibers (6mm Rem and 7mm-08) will be added to the M/7 Youth Rifle as 1992 SHOT Show specials. A 6mm Rem display rifle was made for Marketing to exhibit at the show..