

Firmament Division
Progress Report
February 1980

HIGHLIGHTS

①

Product Development

Page

Model XSG Shotgun

Testing is continuing on the current prototype model. A total of 3750 rounds have been fired using 2-3/4 magnum loads without major component failure.

Model 870 Competition Map

Three fore end tube designs were tested with satisfactory result. During the testing of the new fore end and tube design premature cracking of the receiver was detected.

Model 7400 - 7600

Twelve Production Model 7400 rifles, consisting of a selection of 30-06, 270 and 7mm Exp. Rem. Calibers were successfully tested for ball velocity verification.

7mm Rem-um

WPA Co. has returned twelve guns for corrections of the breech bolt, firing pin and alignment problems that were encountered in the field. Twenty-five thousand rounds of ammunition has been received from MAPCO for our field testing use.

ASAP Manipulator

Receiver handling conveyor system design is being reviewed. Three routes have been received ranging from \$20K to \$33M. An order will be issued to fabricate the system in early March.

High Energy Beam Application

Laser Welding Preliminary results of the EDL welded m/1100 slide block and action bars are expected in March.

Wood Decorating - Samples of the Ducks Unlimited emblem carved in the m/1100 stock were received. Additional samples of laser carved stocks and fore ends are expected in March.

Integral Ejector

Tooling modifications have been made to support the outside of the barrel to reduce the bulge in the area of the LT 20 ejector. Four barrels have been produced and are in test.

Rivetless Extractor

Satisfactory testing on the small caliber
rivetless extractor without the anti
rotation projections has been completed.
Part drawings are being finalized for
transmittal to production.