

Clark

LIMITED DISTRIBUTION

FIREARMS RESEARCH DIVISION

PROGRESS REPORT

AUGUST 1980

HIGHLIGHTS

Remington Arms Company, Inc.

FIREARMSPRODUCT DEVELOPMENTModels XSG - XPG Shotguns

Testing is in progress including a modified gas system and square wire action springs in progress.

~~Layout work on the XPG has been started.~~

Models 7400 - 7600

Research is continuing to assist the Plant in the areas of assembly, quality and magazine box feeding problems. Assistance is also being given selecting guns for the writers' seminar.

Limited Edition Model 4 prototype gun is scheduled for mid-October 1980.

Model 700 Bolt Lock

Cost estimates received based on the bolt action carbine ~~exceed project goals. Cost estimates using the Model 700 production volumes are high. A cost will be reviewed using Model 700 production volumes.~~ *are being prepared - which has potential for lower*

A modified version ~~to further reduce cost~~ has been designed and is being fabricated.

Seismic Project

Fifteen guns were completed for Mapco by July 31, 1980. ~~Due to a "delay fire" phenomenon the guns were held until the problem would be resolved. Laboratory and field tests with guns and ammunition indicate that our products will satisfy performance and durability goals when used in combination with properly designed power supplies. Five guns were shipped to Mapco and field tested. Reports of the test have been issued by Research and Mapco.~~

~~Three more guns are now being prepared for shipment.~~

~~Another 25 guns will be prepared for shipment by September 29, 1980.~~

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Model 870 Competition Trap

Endurance testing has been completed on two guns to 25,000 rounds. Final drawing changes ^{have been} ~~will be~~ completed and forwarded to Process Engineering. ~~by August 25.~~ *We are working with production to define routes to improve the present carbine. Date from March 21 to*
~~Soft Action Carbine~~ *to March 20.*

~~Marketing has field tested 17 models and is reviewing the results.~~

Model 798 Safety

A new safety button design has been forwarded to our vendor to estimate forming costs.

A new detent, detent spring and safety have been furnished to the Test Lab for evaluation.

Auto Drill Line

Millwright and electrical work ^{were} ~~are now scheduled for completion~~ during the last week of August. *System start-up is underway.*
~~Power can then be applied to the entire system and start-up begun.~~ It is anticipated that the complete line will be functioning automatically by September 30, ~~if no have~~
~~vendor help.~~ *All features of the line were functioning in automatic mode for the first time.*

ASEA Manipulator

Schaevitz LVDT receiver repositioning system will be delivered September 30. Manipulator polishing program is being optimized.

Laser Welding

Model 1100 slide blocks have been welded and will be shear tested by August 31. XSG 8620 slide blocks will be welded after successful M1100 slide blocks are obtained.

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Laser Wood Carving

Marketing is reviewing with Ducks Unlimited the laser carved emblem in the side of the LT-20 stock. ~~Refined emblem artwork is ready and more samples can be obtained following the Marketing meeting September 10.~~

Four Slide Machine

Purchase requisitions have been issued for tooling and additional four-slide machine attachments to manufacture M7400-7600 long magazine followers.

Rivetless Extractors

Tooling to coin extractor anti-rotation projections in all centerfire bolt heads in both right and left hand configurations is now complete.

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