

HIGHLIGHTS

6-20-80

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PROCESS DEVELOPMENTFOUR-SLIDE MACHINE

THE FOUR-SLIDE MACHINE HAS BEEN ORDERED AND WILL BE READY FOR TOOLING IN AUGUST 1980.

A WIRE E.D.M. HAS BEEN SELECTED AND A PURCHASE ORDER IS BEING PREPARED.

INTEGRAL EJECTORS

M/1100 12 GAUGE TRIAL & PILOT ~~RUN~~ BARRELS HAVE BEEN SATISFACTORILY TESTED AND ARE IN FULL PRODUCTION.

RIVETLESS EXTRACTORS

REGULAR SIZE RIVETLESS EXTRACTORS ARE CURRENTLY BEING ASSEMBLED IN M/700 7MM-08, M/XP100 7MM-BR AND M/7400-7600 PILOT RUN AND PRODUCTION RIFLES.

AUTO-DRILL LINE

IT APPEARS THAT THE STARTUPS CAN BE SCHEDULED FOR LATE JULY. FIRST WILL BE THE CHIP AND FILTRATION SYSTEM AND THEN THE MACHINING LINE.

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FOUR-SLIDE MACHINE

This automatic manufacturing system for in-house production of precision formed stampings will enable Remington to develop an expertise in stamping manufacture in order to eliminate our total dependence on costly outside suppliers. ~~Additional~~ Additional benefits will be improved quality and reduced new product lead times.

SUPPORT EQUIPMENT WILL INCLUDE A WIRE ELECTRICAL DISCHARGE MACHINE WHICH WILL BE USED TO MANUFACTURE FOUR-SLIDE TOOLING AND PROTOTYPE ^{END} PARTS.

THE FOUR SLIDE MACHINE HAS BEEN ORDERED AND WILL BE SHIPPED TO THE MANUFACTURERS TOOLING VENDOR IN AUG. 1980. A QUOTATION HAS BEEN REQUESTED FOR TOOLING TO PRODUCE THE M/742-760 (M/7400-7600) LONG MAGAZINE FOLLOWER ON THIS EQUIPMENT.

~~THE PREFERRED WIRE ELECTRICAL DISCHARGE MACHINE HAS HAD A SIGNIFICANT PRICE INCREASE. THREE (3) ALTERNATE MACHINES HAVE BEEN INVESTIGATED.~~ A PURCHASE ORDER IS BEING PREPARED FOR THE "ELOX" ^{ELECTROLYTIC} MACHINE, ~~SELECTED~~. DELIVERY OF THIS MACHINE WILL BE ^{12 TO 15} 26 WEEKS.

SOME ADDITIONAL LOW COST SUPPORT EQUIPMENT WITH SHORT DELIVERY DATES STILL REMAIN TO BE SELECTED, AND ORDERED.

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INTEGRAL EJECTORS

Currently the Ejectors in the Model 1100 12 Ga. and 20 Ga. shotguns are spot welded to the Barrel Extension and machined to size. A process has been developed to form the Ejector as an integral part of the Barrel Extension. Savings of over \$60,000 per year can be realized by this procedure.

Three operations will be eliminated as well as the Ejector Pin and result in a more durable ejection system. Tooling to coin ejection surfaces into 12 Ga., 16 Ga. and std. 20 Ga. Barrels has been developed and transmitted to Production.

TOOLING MODIFICATIONS HAVE BEEN MADE TO SUPPORT THE OUTSIDE OF THE LT-20 BARREL IN ORDER TO REDUCE A "BULGE" IN THE AREA OF THE EJECTOR. THIS PRODUCED SATISFACTORY RESULTS. FOUR PROTOTYPE BARRELS HAVE BEEN SENT TO THE TEST LAB.

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RIVETLESS EXTRACTORS

These new centerfire extractors in small, regular and magnum sizes will replace the troublesome riveted types. Part cost will be reduced, a number of bolt head operations eliminated, and gun reliability and ease of replacement will be improved.

ALL THREE EXTRACTOR SIZES HAVE BEEN EXTENSIVELY TESTED AND APPROVED FOR INTRODUCTION IN ALL CENTERFIRE RIFLES.

DRAWINGS OF EXTRACTORS AND BOLT HEAD MODIFICATIONS HAVE BEEN TRANSMITTED TO PRODUCTION.

REGULAR AND MAGNUM EXTRACTORS REQUIRE AN ANTI-ROTATION PROJECTION IN THEIR RESPECTIVE BOLT HEADS IN ORDER TO PREVENT THEM FROM ROTATING OUT OF POSITION, DURING BOLT ~~UNLOCKING~~.

TOOLING TO COIN THE ANTI-ROTATION PROJECTIONS IS BEING DEVELOPED FOR ALL CENTERFIRE BOLT HEADS IN BOTH RIGHT AND LEFT HAND CONFIGURATIONS. TOOLING FOR M/700 REG. CAL. AND M/7400-7600 BOLT HEADS IS COMPLETE AND IN PRODUCTION.