## RESEARCH DEPARTMENT

## FIREARMS RESEARCH DIVISION MONTHLY REPORT - JUNE 1980

## HIGHLIGHTS

## PROCESS DEVELOPMENT

Page

Four Slide Machine The four-slide machine delivered to the has been ordered and will be ready for tooling taling Vendor in acquist 1980.

August 1980.

A wire E.D.M. has been selected and a purchase requisition of the been prepared and sent to purchasing.

- Integral Ejectors for Model 1100 12 Gauge

  Trial & Pilot barrels have been satisfactorily

  tested and are in full production.
- Rivetless Extractors Regular size rivetless extractors are currently being assembled in Model 700 7mm-08, Model XP-100 7mm BR, and Model 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.

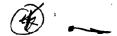
  ASEA Manipulator Updated economics project

  a \$70M per year savings at a 26% ROI. These
  figures include additional expenditures of
  \$6500 for a Schaevitz LVDT receiver repositioning
  system.

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Laser Welding Metallurgically sound welds of the Model 1018 slide blocks were obtained by EDL. Welding tests of the powder metal and 8620 slide blocks are in progress.

Model 1100 LT-20 Ducks Unlimited gun and other designs are ready for review.



HIGHLIGHTS

MODEL 700 COMPETITION TRAP SHOTGUN

Model 870 Competition Thomp pholyon

Model 870 Competition Thomp pholyon

Two solutions to the plocking block problem have been satis
factorily tested. High stress on the vent rep seems to be the cause

of breakage and parts coming doose. Buffered Pintons are

being tested as a possible solution to Reb

factorile.