

Remington Arms Company, Inc.  
Ilion Research Division

LIMITED DISTRIBUTION

May 17, 1977

FIVE YEAR DEVELOPMENT PROJECTION  
MANUAL FIREARMS DESIGN GROUP

CENTERFIRE RIFLES

1. Develop new fire control assembly for Mohawk 600 and M/700. Improved trigger pull, reduced assembly procedures, and more features.
2. Design a short lightweight mini carbine based on the Mohawk 600. Rifle would be available in high velocity cartridges and would be lighter and shorter than M/94 Winchester.
3. Complete development and determine process requirements to manufacture integral scope rings for Mohawk 600 and M/700 rifles.
4. Develop detachable magazine box for M/700 rifle.
5. Add two new cartridges to XP-100 pistol.
6. Design new single shot centerfire rifle.
7. Develop new bolt action centerfire rifle scaled between the M/788 and 580s to handle the cartridges with the 222 Rem. head size.
8. Implement the super accurate bench rest cartridges (.22 BR and 6mm BR) into the M/700 Varmint rifles.
9. Finish development of the 7mm/08 cartridge and implement in the M/700 short action, Mohawk 600, and M/788.

Five-Year Development Projection

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SHOTGUNS

1. M/870 Competition Trap: complete development by June 1978.
2. Develop adjustable stock for stock drops for M/870 target guns.
3. Model 3200:
  - A. Implement Skeet Sets into production.
  - B. Complete development of single barrel trap gun with recoil reduction.
  - C. Finish development of single barrel with plugged bottom barrel.
  - D. Finish lightweight development of 12 and 20 gage guns.

RIMFIRE RIFLES

1. Develop new .22 Autoloader
  - A. Models for standard distribution channels
    1. One-piece Stock
    2. Two-piece Stock
    3. Military appearance
  - B. Model for mass merchandiser
  - C. Design pump based on autoloader
  - D. Design will require new processing and manufacturing techniques to accomplish cost goals.

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RIMFIRE RIFLES - Cont'd.

2. Develop new Stock for 580s to present image of a rifle made for a man; maintain present boy's rifle.
3. Design new magazine box for 541-S.
4. Design new 22 Rolling Block .22 Rifle.

TARGET RIFLES

1. Develop rimfire target rifle based on existing bolt action models which will win and become leader at small bore matches.
2. Develop target .22 rimfire rifle for U.S. and foreign Biathlon events.
3. Complete development of 22 and 6mm bench rest cartridges.
4. Develop new Fire Control Assembly based on new assembly being developed for Mohawk 600 and Model 700 rifles for target rifles.
5. Design new stock adjustment mechanism for M/540XR.
6. Develop new heat set bedding technique to improve target rifle accuracy.
7. Develop GFM barrels for target rifles.
8. Develop a target rifle sight.
9. Improve lock time of 40XB rifles.

Five-Year Development Projection

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SPECIAL PROJECTS

1. Promote Rimfire Metallic Silhouette shooting.
2. .22 Rimfire Accuracy Program.
3. Develop black powder line of rifles.
4. Develop pellet line of rifles.
5. Develop new trap which auto angles over a range of  $90^{\circ}$  and auto elevates over a range of  $15^{\circ}$  to add a new degree of skill to trap shooting. Design based on Mechanical Trap.
6. Develop a reloading system for shotshells.

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Manual Firearms Design