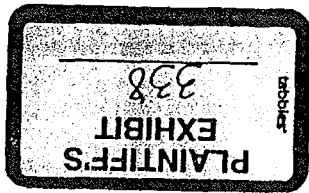


Sportsman M/710

Year 2000 Introduction Development Schedule

Remington Arms Confidential

February 4, 1999



M/710 Quad Chart

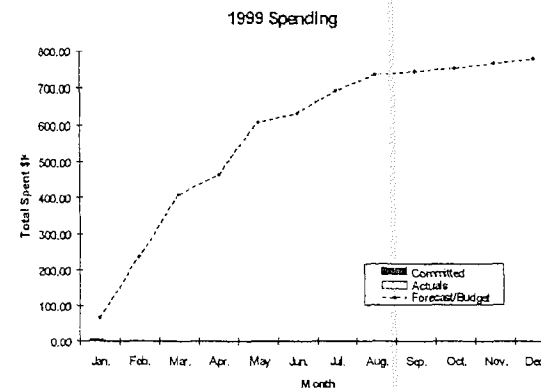
Confidential

Sportsman Model 710 Bolt Action Rifle

2/2/99

Lead Engineers: M. Keeney 241095
Project Description:
 A bolt action rifle accommodating long action & magnum calibers; standard barrel lengths; synthetic & wood stocks; magazine box, and a reasonable grade trigger; accepts scope bases offered with optional adjustable sights.
Risk Assessment:
 Medium: Due to aggressive cost and process requirements.
Project Objectives:

- Reduce cost to manufacture and manufacturing lead time.
- Above average Gross profit margin (45%).
- Offered as an entry level bolt action rifle while elevating the M/700.
- Compete directly with the Savage (111FC) similar offerings.



Project Milestones/Schedule:

Task Name	Finish	1999					2000
		Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
Sportsman M/710 (30-06)	12/3/99						
Program Approval	12/18/98						
Build EE Test - (12)	4/30/99						
EE Test	6/4/99						
Program Review - 4	6/9/99						
Final Design	8/27/99						
Build DAT Guns (40)	6/25/99						
DAT Test	8/31/99						
Design Transmittal	10/1/99						
T&P	11/12/99						
Warehouse Position	12/3/99						

Total Project Cost: Expense: \$641.51K Capital:\$340.0K

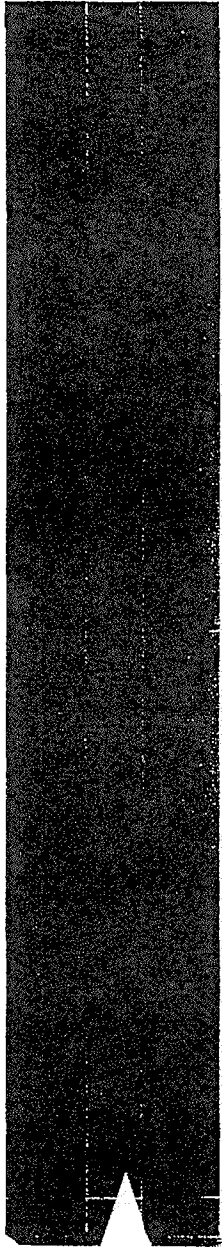
Project Status:

01/18/99

- Project Approval based on Design Review, 12/18/98
 - Manufacturing cost estimate \$109.47
 - Cosmetic prototype
- Schedule Development mtg with Manufacturing 01/6-7/99, limited offering year 2000
- Cosmetic Review 01/14/99, issues are barrel contour, bolt plug, and bolt handle
- Ordered components for two test assemblies, to be deleivered by 2/1/99.

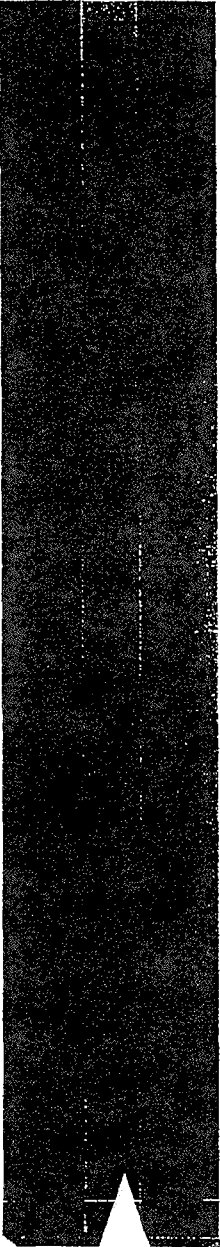
Areas of Concern:

- Barrel processing/heat treatment
- Receiver Insert



M/710 - Status

- Cosmetic Review (1/14/99)
 - Barrel (potential \$2/barrel cost savings)
 - Bolt Plug
 - Bolt Handle
- Schedule Development Mtg. (1/6-7/99)
 - ▼ Development Approach
 - ▼ Schedule
 - ▼ Budget



M/710 Development Approach

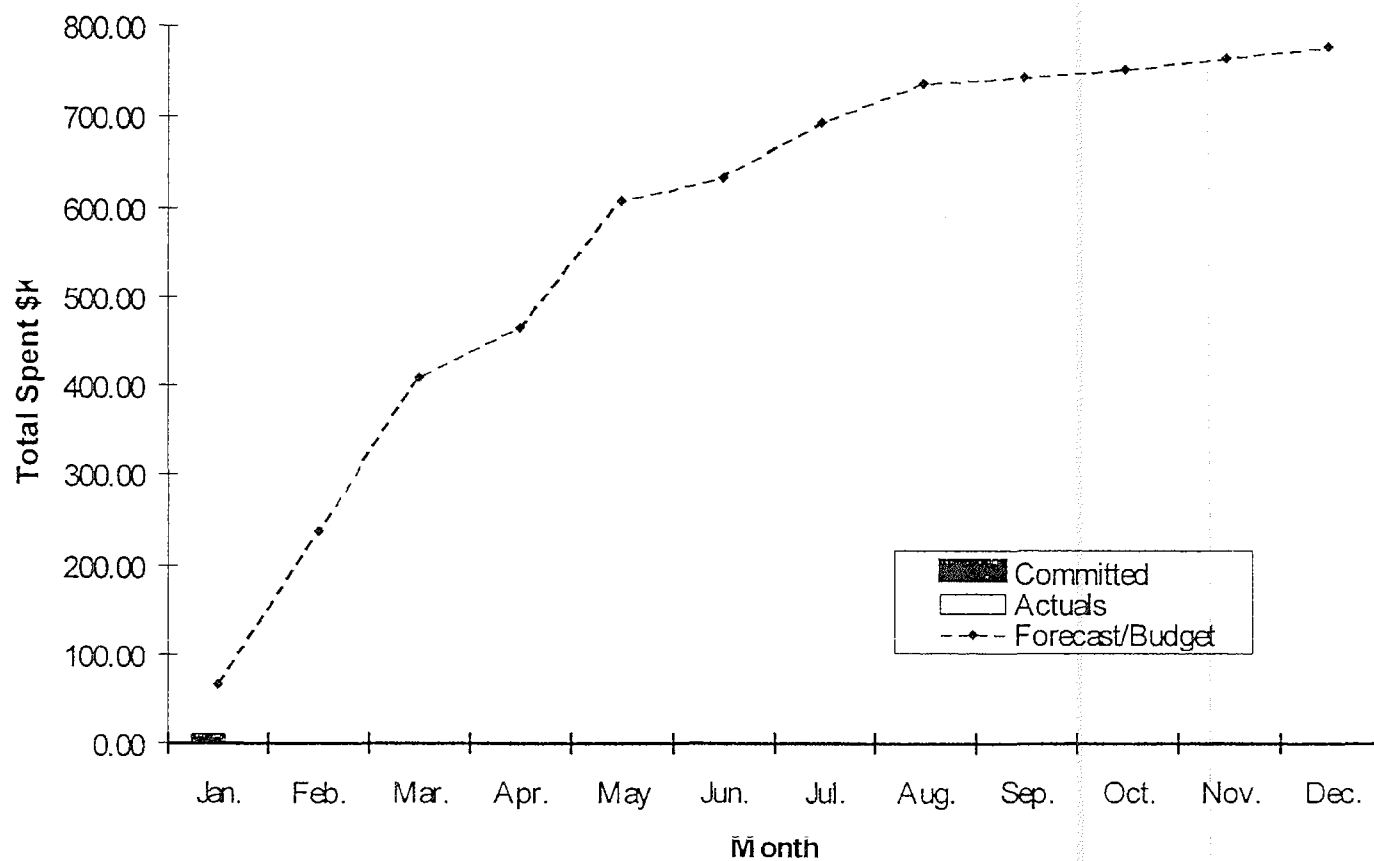
- Limited Offering - Long action only
 - 2001 magnum introduction
- Parallel design and manufacturing development
 - basic bolt action design
 - program risks -- manuf. of barrel and receiver insert
 - ▾ Engineering Evaluation Testing (EET)
 - Design Acceptance Testing (DAT)
 - ▾ First pass of Trial and Pilot
 - production components

M/710 Schedule

Task Name	Finish	1999				
		Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Sportsman M/710 (30-06)	12/3/99					
Program Approval	12/18/98	12/18				
Build EE Test - (12)	4/30/99					
EE Test	6/4/99					
Program Review - 4	6/9/99	6/9				
Final Design	8/27/99					
Build DAT Guns (40)	6/25/99					
DAT Test	8/31/99					
Design Transmittal	10/1/99					
T&P	11/12/99					
Warehouse Position	12/3/99					

M/710 Spendout

1999 Spending



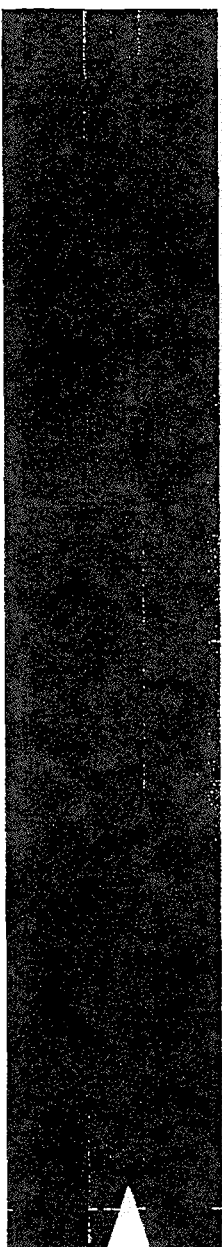


M/710 Net R&D Budget

Total Spendout \$779,775

Capital Investment - \$340,000

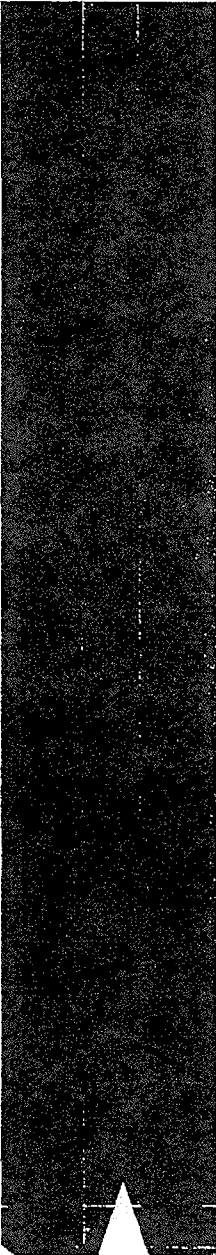
Net R&D Spendout \$439,775



M/710 Capital Investments

- Barrel Assembly Fixture \$20,000
- Receiver Insert Tooling \$100,000
- Bolt Plug Tooling \$55,000
- Stock Tooling \$125,000
- Grip Cap Tooling \$40,000

Total \$340,000



M/710 Summary

- Aggressive Schedule
 - EET Program Milestone, Review 6/9/99
 - Supplier Management
 - Delivery Date Commitment
- Manufacturing Priority
- Non Budgeted Capital Expenditure

