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REMINGTON ARMS COMPANY, INC.
Firearms Research Division
March 5,   1981

TO: J. R. SNEDEKER

FROM: J. H. HENNINGS

SUBJECT: REM. M700 CLASSIC - 7x57 Mauser Caliber

DESIGN TEST

INTRODUCTION

Received from Design three (3) Rem. M700 Classic rifles in 7mm Mauser Caliber for design test evaluation.

OBJECTIVE

To determine if the 7mm Mauser caliber is suitable for introduction into the Model 700 line.

TEST CONCLUSIONS

Accuracy and function tests conducted on the three (3) rifles tested indicate that introduction of the 7mm Mauser caliber into the M700 line is feasible.

No functional problems were encountered during a forty (40) round varied feed speed test conducted on all rifles.

Accuracy tests (100 yd.) indicate an average group size of 1.31" for three (3) five (5) shot groups fired thru each rifle. See data sheet attached for individual groups.

TEST PROCEDURE

A.   Preliminary measurements were taken on all rifles prior to test:

               Headspace
               Trigger Pull
               Safety Check

B.   100 yd. accuracy tests conducted via bench rest using Lyman 10X scope.

Ammo. Used: Rem. 175 gr. 7mm Mauser Caliber

3 x 5 shot groups per rifle - cool after each group.
Bores cleaned prior to accuracy.

R2509700

C.   A forty (40) round varied feed function test was conducted
         in Test Lab shooting jacks.

         10 rounds each of the following speeds:

                         Slow
                         Medium
                         Fast
                         Alternating

FUTURE WORK

         Additional testing will have to be conducted on a larger
(8 or 10 rifles) selection of rifles before final acceptance can
be issued.

JHH:T
Research Test Lab
Attach.

Rem. M-700 Classic 7mm Mauser CAL.
Design Test - Accuracy Results.   3-5-81

Rifle #	1	2	3	4	5	6
	B6242155	B6230444	B6227689		Averages	
Measurements:						
Group #1						
Size	1.17"	1.09"	1.77"			
Hor.	1.15"	1.05"	1.33"			
Vert.	.86"	.85"	1.05"			
Group #2						
Size	2.03"	.99"	1.39"			
Hor.	1.29"	.99"	1.34"			
Vert.	1.83"	.48"	.48"			
Group #3						
Size	1.13"	.91"	1.30"			
Hor.	.93"	.59"	1.04"			
Vert.	1.03"	.82"	.83"			
Average Group Size ⟶	1.44"	.997"	1.49"			
Ammunition Used:	Rem. 175 gr. P.S.P. 7mm Mauser cal.					