

SHOTGUNSMODEL 1100 LIMITED EDITION - Contd.

Marketing reported that introduction of this gun continues on a high note, with 90% of the guns already committed. Distributor, as well as dealer interest remains strong. At the SHOT Show in New Orleans this month, the sample gun and large supporting display received numerous favorable comments.

Marketing noted they are confident in selling the total production of 3,000 guns.

MODEL 870 COMPETITION TRAP  
(1980 Introduction)

Production reported that four Trial and Pilot guns were assembled in December and given to Research for testing. Another 24 guns have now been assembled and will be made available to Research. Trial and Pilot assembly was halted in January due to difficulties encountered with the Barrel Assembly and Fore-end Tube Assembly. 83

Production and Research are presently working to resolve questions with the Barrel Assembly. Fifty percent of those produced for Trial and Pilot could not be assembled to Receiver Assemblies due to an assembly interference. Critical dimensions on four of these rejected Barrel Assemblies have been measured. All characteristics measured were found to be within assembly limits. Two Receivers were also measured for parallel alignment of the Magazine Tube and Barrel Hole. These measurements indicate that Magazine Tube alignment may be contributing to assembly difficulties. Additional measurements are being analyzed to identify contributing factors.

The Competition Trap Fore-end Tube Assembly is unique, in that it is copper brazed and heat treated. Trial and Pilot revealed significant deformation of both the Fore-end Tube and the Action Bars after heat treat. Production has identified four main factors that contribute to the deformation: 1) High temperature (2000°F) of the copper brazing process, 2) Heat treating the Assembly, 3) The thin wall of the Fore-end Tube and 4) Different radius tolerances for Action Bars and Fore-end Tube. Production has not been able to reduce the tolerance differences, but has modified the process in an attempt to reduce deformation.