

SHOTGUNS - contd.MODEL 870, "ALL AMERICAN" 12 GAUGE TRAP GUN
(Introduction 1972)

Unless the radius surfaces of Receivers can be pre-mapped the present process of hand polishing does not produce dimensions accurate enough to permit N/C engraving. Studies indicate that the flat panels as machine polished could be engraved. The program to establish a process for producing a uniform top radius on the Receiver or to revise engraving machine is as follows:

- . Rough and finish mill the top radius to eliminate or at least reduce hand polishing.
- . Determine availability and cost of crush grinding equipment.
- . Obtain quotations from specialty grinding companies for grinding the top radius.

R & D is doing the following:

- . Investigate pre-mapping of the surface to permit the control unit to make depth corrections automatically.
- . Investigate further the possibility of feedback depth control.

R & D reported that the N/C engraving machine is complete and test runs are being made on sample parts to establish tool life and pattern editing procedures. The machine is to be ready to turn over to Production ready to engrave Model 870 "All American" trap gun and Model 541S Sporter rifles on September 1, 1971. Investigation of the pre-mapping indicates it may be feasible, however, it would not be ready by January 1972.

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