

FIREARMSSHOTGUNSMODEL 870 SLIDE ACTION SHOTGUNShort Stock Press Forming

ERD displayed sample Stocks at each of the present twenty-four (24) operations. There was a second rack with samples for each of the proposed seventeen (17) operations for the press form process. Approximately four hundred (400) pilot Stocks were produced by the pressed formed process. In sampling for quality, spotty adhesion was found. Since there is no way to check except by a destructive test, the Stocks produced to date are being set aside. The analysis indicates the difficulty was due to contamination. The exact cause should be determined in the new pilot production.

Before samples are submitted for release to production, quality audits and weatherability tests will be made and the process must provide a satisfactory end product. The process for finishing the press formed Stocks uses a hand spray application of RK-W which avoids need of the conductive coat filler as required for electrostatic spray. The proposed process also reduces the number of intermediate sanding operations and the ERD development engineers claim that the final film of RK-W in combination with the densified wood base results in an equal or better product.

It is reported that weatherability tests are being continued by ERD on two Stocks. These were displayed and have now been exposed approximately two hundred hours in rain, snow and cloudy weather. The Stocks when removed from the elements are allowed to dry without wiping to simulate the worst possible field conditions.

Methods & Standards re-evaluation of economics, a copy of which is attached as Exhibit 1, indicates a satisfactory return on investment. The extension of the program to other short Stocks should produce a return in investment of approximately 22% and

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