

SHOTGUNS - contd.ADHESIVE-FASTENED VENT RIB - contd.

current rib process so it can be put into effect as soon as the special equipment required is installed. There is no need to wait for the new adhesive bonded solid base rib process. Visually, it is extremely difficult to distinguish any difference between the current cut matting and the proposed photo-etch matting. This was done purposely however. This new system does have versatility for all kinds of changes in design. (Remington script on rib - a sample was shown.)

Samples of the proposed solid base design Ventilated Rib including the proposed chemical mill matting were unofficially submitted to Marketing for their preliminary approvals some months ago.

Formal approval to proceed with these proposed processes are requested. Approval of the new adhesive bonded solid base rib design however is contingent upon satisfactorily completing the test program established by the R & D test group. This testing should be completed by the end of August. Testing of this proposed bond joint and material both here and at Du Pont Elchem to date are very favorable.

A \$67,000 annual operating cost reduction is indicated; also a working capital reduction of \$32,000 giving a return on investment of approximately 27% from this development.

Other collateral benefits are:

1. Not only does the new design rib enhance the appearance of the Vent Rib Barrel but the use of a relatively low bonding temperature of 500° F for 25 seconds eliminates the heat distortion now present after brazing or projection welding. This will insure a more uniformly straight Barrel and therefore should improve the quality of the finished product.
2. The versatility of the newly developed photo-etch milling of the matting should provide additional competitive advantage and sales appeal.