

To: Ken Soucy  
From: Edward Ford  
Date: March 2, 1993  
Subject: February Monthly Report

CADD Software Study:

A copy of the M/700 Stainless Steel Stock benchmark was sent to SDRC on February 8, 1993.

A meeting was held on Friday, February 12, 1993 with staff members and other members of management to discuss Remington's future CADD/CAM strategies. During this meeting, staff members referenced a decision that was made in November to stay with Computer Vision and begin phasing in AutoCad. Therefore, I have canceled the benchmark with SDRC and notified Parametric Technology of this decision.

Autodesk representatives met with select members from Research, Process, and MIM on Thursday, February 25, 1993 to discuss Autodesk's purchase of MicroEngineering, Inc. and their software package Solutions 3000. Topics discussed include AutoCad's advanced surfacing capabilities, NC capabilities, and insights to the future of AutoCad. The meeting ended with a 30 minute presentation of AutoCad's new Rev. 12 Windows. A copy of the M/700 Stainless Steel Stock benchmark was given to Ben Crawsdale, an Autodesk application engineer. He plans to present his results by the end of March.

Design/Develop Improved Test Jack:

A meeting was held with Jim Snedeker and the Test Lab operators to begin brainstorming the design of a new test jack. A list of current maintenance problems was generated as well as a list of features that the operators would like to see implemented with the new jack.

M/320 Dry Cycle Testing:

The M/320 dry cycle machine was rebuilt to begin testing the shot peened ejectors. The dry cycle machine presses the top lever, opens the action, closes the action, and fires both barrels.

M/Seven Stainless Synthetic Stock:

The parts list for the M/Seven Stainless Synthetic Stock is approximately 65% complete. A PI-6 is needed before the parts list can be completed.

The stock mold will be an aluminum mold cut by tracing the contour of a "master" stock. A M/Seven stock was taken before checkering and given to John Remington in the Custom Shop to remove the schnabel nose from the stock. This "master" stock is ready for approval by the product team on March 4, 1993.

M/320 Testing:

Model drawing was changed to increase the radius from 0.062" to 0.188" and to raise the recoil lug clearance cut by 0.100". Strain gages were mounted in the right corner radius, left corner radius, bottom left rear of tang, and the top middle of the tang on gun #1119. Strain readings were recorded while closing the action, jack shooting with target ammunition, and jack shooting with heavy nitro magnum ammunition. The data was input into Minitab and a statistical analysis performed. The results showed a 50.5% reduction in strain in the right corner radius while jack shooting a heavy nitro magnum round in the top barrel when compared to gun #1054(flame hardened corners) under the same test conditions.