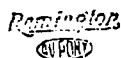


REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

Ilion, New York
November 13, 1974

TO: W. E. LEEK
FROM: C. W. STEPHAN
SUBJECT: TECHNICAL SERVICES STAFF MEETING - NOV. 18, 1974
(Last Meeting Held Nov. 4, 1974)

COMPUTER AIDED DESIGN

The Calcomp Flowchart program has been converted to run on our system. At present, a Flowchart of the 3200 repair process is being processed.

Listings and decks of all N/C checkering pattern processing programs have been received. Conversion of these programs is near completion. Debugging will continue as time permits.

The mylar tape punch with interface was delivered Nov. 5, 1974 and appears to be functioning properly.

The gun-motion program is waiting for empirical data from the test lab. (Shoulder-force, pressure-time, and displacement curves for a heavy-shoulder shooter firing M/870 12 Ga. shotgun with a heavy load).

The program that will control and monitor the 1100 dry cycle machine has been written. Further program development will continue upon installation of necessary hardware by test lab personnel.

The 2 million word disc for the 4020 was shipped Nov. 1, 1974. Delivery is expected approx. Nov. 15, 1974. Work has been started on software. Modifications necessary for full use of new disc. work will continue as time permits.

A program is being written for Quality Control that will maintain an active file of all production gages and report all critical gages due for inspection.

UNIAPT AND POST-PROCESSOR STATUS

UDS

United Computing is working on solutions to the system problems we have encountered. These problems include page skipping in the Post-Processors, and automatic program turn-off in the event of a card reader failure.

UNIAPT

The latest release of Uniapt 2 has been received. Most of the problems associated with Uniapt 2 have been corrected. Upon testing, only one of the previous problems still exist. This problem occurs in the area of 3 axis linear positioning, and occurs only in one case. The test program contains many such moves which Uniapt 2 handles correctly. Uniapt 1 is still available in the event an error should result in Uniapt 2. A correction for Uniapt 2 should be received by Nov. 15, 1974.

MILWAUKEE-MATIC POST-PROCESSOR

The latest revision to this Post-Processor has been received. At present, there are no known errors.

RICHARDSON ROUTER POST-PROCESSOR

A correction for this Post-Processor has been received. The following is a list of errors that still exist.

1. Will not contour in planes other than X-Y plane.
2. Feedrate ignored by Retrct.
3. First X-Y departure not always being output in same block cutter compensation right or left code.

Documentation on these errors has been sent to United Computing. Corrections should be received by Dec. 1, 1974.

EX-CELL-O POST-PROCESSOR

At present there are no known errors in this Post-Processor.

UNIAFT AND POST-PROCESSOR STATUS (Continued)

BOSTOMATIC POST-PROCESSOR

The specifications for this Post-Processor were sent back to United Computing on October 7, 1974 with all known modifications noted. Delivery of a test tape from this Post-Processor should be received by Nov. 15, 1974. Upon approval of the test tape, the Post-Processor will be delivered.

POSITOOL POST-PROCESSOR

The following problems have been discovered in this Post-Processor.

1. Will not output rewind code.
2. Will not output leader required after rewind code.
3. Does not output data at end of program for cycle time, tape length, and error report.
4. In special cases, a system error is generated.

Documentation of these errors has been sent to United Computing. Corrections should be received by Dec. 1, 1974.

ADAPT AND POST-PROCESSOR

COMPUDYNE POST-PROCESSOR

An error was detected in this Post-Processor in which in certain cases, the points output when contouring are rounded improperly. Since we are beyond the warranty period, Remington will be charged for any work done on this Post-Processor. Apparently, there are two options available for correction. The first option involves approximately 3 man days of work at \$250/day and would be warranted for 90 days. The second option would cost \$200 and would carry no warranty. A purchase order has been issued to have the necessary repairs made via Option 1. Delivery will be made as soon as verification of correct data is complete. Approx. Dec. 1, 1974.

BCP:bd

SPECIFICATIONS, TECHNICAL INFORMATION & SERVICES

1. Alter 3200 Owner's Manual (exploded view and parts list) to latest revisions. Completed and at printer.
2. Prepare supplementary parts/price list for all 870 Military special parts requested by Government Sales. Awaiting prices from Accounting Division.
3. Add 223 Cal. to 788 Standards & Owner's Manual.
4. Redrawing model drawings where necessary to upgrade files and make better microfilm cards for reproduction.
5. Revise parts/price list for 1975 printing.
6. Review and revise Field Service Manual.
7. Prepare Mechanicals for Safety Suggestion forms and envelopes. Requested by J. Teal, ESD.

RGH:bd

Technical Services Staff Meeting - Nov. 18, 1974
(Last meeting held Nov. 4, 1974)

Nov. 13, 1974
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N/C MAINTENANCE

Additional Spares for All N/C Systems:

N/C machine systems spare parts are being ordered at random
with cost savings being primary consideration.

REPORTS ATTACHED

N/C Status Report

Model Shop Work Load

Numerical Control Work in Progress

WMC:bd
Illion Research Division
Attached