

REMINGTON ARMS COMPANY, INC.
INTER-DEPARTMENTAL CORRESPONDENCE

Remington
RUPON

PETERS
RUPON

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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

Ilion, New York
July 2, 1974

LIMITED DISTRIBUTION

TO: W. E. LEEK
FROM: C. W. STEPHAN
SUBJECT: TECHNICAL SERVICES STAFF MEETING - JULY 8, 1974
(Last Meeting Held June 24, 1974)

COMPUTER AIDED DESIGN

The high speed range has been used but preliminary runs indicate that peak pressures don't agree with oscilloscope readings. Therefore, a calibrated signal device has been designed which can be used for set-up and check-out. Two new features have been added to the high speed range. Peak values are printed for every shot and, if required, available impulse is also printed.

Due to part delivery and testing problems, the mylar tape will not be shipped until approximately July 29, 1974.

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).

A problem still exists in contour measuring program 27. This is a streamlined version of program 26. Work is being continued on a solution as time permits. Until a solution is finalized it is necessary to use program 26 for all contour measuring.

A program that will control and monitor the 1100 dry-cycle machine is being written. Due to heavy computer usage, little computer time has been available for debugging.

UNIAPT AND POST-PROCESSOR STATUS

UDS

At present, the only problem with UDS occurs when a UNIAPT program is being executed through a post-processor. The problem is that a page of paper is being skipped for each page that is printed. More pressure is being applied to United Computing for a solution. It is hoped that a solution is found by July 15, 1974.

MILWAUKEE-MATIC POST-PROCESSOR

- (1) United Computing has completed debugging of the X - Z and Y - Z circular contouring tests, and have found errors in both the post-processor and programming technique. As yet no date has been set for the receipt of the corrected post-processor. With proper programming technique, this problem can be worked around. A copy of a test program showing this technique should be received by June 24, 1974.
- (2) A revised tape with the 2 axis circular contouring with third axis linear contouring capability has been received. Preliminary tests show correct output.

RICHARDSON ROUTER

Problems that exist with the post-processor are as follows:

- (1) Post-processor will now output circular contouring along an inclined plane in circular interpolation mode, except no K value is output. --
- (2) The latest tape received for this post-processor had the addition of CLEARP and RETRCT included. Neither of these additions function properly.

A tape containing the above corrections should be received by July 14, 1974.

The information pertaining to the Milwaukee-Matic Post-Processor item (1) also applies to the Richardson Router.

UNIAPT AND POST-PROCESSOR STATUS (Con't)

EX-CELLO-O POST-PROCESSOR

The revised tape with the 2 axis circular contouring with third axis linear contouring capability has been received. Preliminary tests show correct output.

BOSTOMATIC POST-PROCESSOR

The up-dated and more detailed quote for this Post-Processor has been received. A purchase order has been issued. Receipt should be approximately Jan. 1, 1975.

POSITOOL POST-PROCESSOR

A report was sent to United Computing citing all obvious errors. In addition, a few revisions are required for simplified programming. The delivery of this Post-Processor is expected July 1, 1974.

BCP:sse

SPECIFICATIONS, TECHNICAL INFORMATION & SERVICES

1. Owner's Manual for Models 40XR - 40XC -- 90% complete.
2. Mutilated or otherwise unsatisfactory drawings are being redrawn when time permits.
3. Alter 3200 Owner's Manual exploded view and parts list to latest revision.
4. Upgrading of microfilm cards has been started.
5. Wonder Trap service manual has been revised to "B" Model and has been delivered to printer for proof.
6. Remington Logo marking drawings have been altered.
7. Mechanical for hang tag requested by planning for Mohawk 48 completed.
8. M/540XR Owner's Manual has been sent to Marketing-Legal for approval.
9. Prepare new mechanicals for extra barrels package labels. Requested by Legal Dept. to include New Remington Logo.
10. Assist W. Warren in competitive arms report.

FGH:s

Technical Services Staff Meeting - July 3, 1974
(Last meeting held June 24, 1974)

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N/C MAINTENANCE

None

REPORTS ATTACHED

Model Shop Work Load

Numerical Control Work in Progress

Illion Research Division
Attached