

(b) Improved test procedures, including a formalized log book, will be instituted immediately on the powder stop indicators, electric eye checks, the no powder stop checks and machine timing check-outs.

The completion of the installation of the new powder detectors on machine Nos. 5 and 7 will be made this month (machine No. 7 has not been run since September, 1972 due to powder stop detector unreliability). Seven machines were changed prior to transfer from Bridgeport.

Air vibrators on the five remaining loaders will be completed by mid-December.

The machine changeover procedure will be formalized and written immediately.

All duplex rejects will be packed separate from regular product and identified by code; all hold-ups requiring rework will also be identified by special code.

Substitute powders will be investigated as replacements for the longer grained IMR powders currently being used. This would reduce the feeding problems associated with bridging, etc.

A complete loading manual will be written by Process. A long-term audit of large samples taken directly from the loading machines to determine machinery reliability will be made by AQL.

Present checks on no powder detectors are:

- a) Once per shift by quality control inspector.
- b) Twice per shift by the toolsetter (instituted in August, 1972) will be increased to a minimum of three times per shift by the toolsetter. All results will be entered in log books.

In addition to these checks, we presently have:

- a) Two-to-three pick-ups for powder weights by Ballistics personnel.
- b) A minimum of one pick-up per shift by Ballistics personnel for test firing.