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**Pacific Northwest Laboratory
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May 1973

By J. E. Savely 11-17-94

Verified By Gerri M.aley, 11-17-94

HW-22031

Copy #1 - V. R. Chapman
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#3 - O. S. Cochrane
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**SPECIAL RE-REVIEW
FINAL DETERMINATION
DECLASSIFICATION CONFIRMED**
BY JW Jordan DATE 5-13-81
BY JP Dercuin DATE 5-14-81

Richland, Washington
August 29, 1951

Mr. V. R. Chapman
Superintendent
Operations, Separation Section

**LIST OF EQUIPMENT CHANGES REQUIRED FOR THE PRODUCTION OF
VARIOUS MODEL SIZES ON THE RMA AND RMB LINES,
© 234-5 BUILDING**

In order to change models on the RM Line, a number of equipment items must be either replaced or modified. Some items may not necessarily require replacement depending upon the severity of the change. For example, a Y-2 A casting crucible can be used to cast either 110 or 090 models while the lifter in H-23C can be used with the 130 or 110, but requires changing to handle the 090.

The attached list of items will require replacement or modification before production can be shifted from the present model to any of the others previously produced at this plant.

This report does not attempt to consider equipment changes involved if models larger than the 050 or smaller than the 130 are made on the RM Line. It should be noted, however, that if sizes smaller than the 130 model are made, the conveyor finger would have to be changed. This in turn would entail replacing the weigh pan in Hood HA-18 as well as all the chip pans for Task V.

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Attachment

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EQUIPMENT CHANGES REQUIRED FOR SHAPE MODELS

Task No.	Model 130	Model 110	Model 090	Model 050	Remarks
Task I	Tooled for this Model at Present	No Change	No Change	No Change	
Task II		No Change	No Change	No Change	Can vary button size in present equipment.
Task III		No Change	No Change	No Change	
Task IV		Pouring Crucible Casting Crucible Tantalum Can Tantalum Cover Furnace Base Conveyor Pedestals Tongs Blocks Hammer-H 17S Ring Inserts-H 17S Conveyor Crucible Clamp-H 16L Conveyor Pedestals	Pouring Crucible Casting Crucible Tantalum Can Tantalum Cover Furnace Base Conveyor Pedestals Tongs Blocks Hammer - H 17S Ring Inserts-H 17S Conveyor Crucible Clamp-H 16-L Conveyor Pedestals	Pouring Crucible Casting Crucible Tantalum Can Tantalum Cover Furnace Base Conveyor Pedestals Tongs Blocks Hammer H 17S Ring Inserts-H 17S Conveyor Crucible Clamp-H 16-L Conveyor Pedestals	Same Equipment for 110 and 090. Same Equipment for 110 and 090.
Task V	* **	Lathe Chuck RS Chuck Adaptor FS Chuck Adaptor Flash Trimmer Chuck Adaptor Flash Trimmers Elevator Adaptor Cutting Tool Thermometer Recalibration H-18	Lathe Chuck RS Chuck Adaptor FS Chuck Adaptor Flash Trimmer Chuck Adaptor Flash Trimmers Elevator Adaptor Cutting Tool Thermometer Recalibration H-18	Lathe Chuck RS Chuck Adaptor FS Chuck Adaptor Flash Trimmer Chuck Adaptor Flash Trimmers Elevator Adaptor Cutting Tool Thermometer Recalibration H-18	Same Equipment for 110 and 090. Same Equipment for 110 and 090.
Task VI		Male and Female Skate Roller Cones H 23C	Male and Female Skate Roller Cones H 23C	Male and Female Skate Roller Cones H 23C	Same Equipment for 090 and 050.

* RS = Round Surface
 ** FS = Flat Surface

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EQUIPMENT CHANGES REQUIRED FOR SHAPE MODELS (Continued)

Task No.	Model 130	Model 110	Model 090	Model 050	Remarks
Task VII	Tooled for this Model at Present	<p>Tripod Tips</p> <p>Tip Storage Adaptor</p> <p>Swing Conveyor Hand Elevator Adaptor</p> <p>Work Coil</p> <p>Degreaser Brush Can</p>	<p>Tripod Tips</p> <p>Tip Storage Adaptor</p> <p>Swing Conveyor Hand Elevator Adaptor</p> <p>Work Coil</p> <p>Degreaser Brush Can</p>	<p>Tripod Tips</p> <p>Tip Storage Adaptor</p> <p>Swing Conveyor Hand Elevator Adaptor</p> <p>Work Coil</p> <p>Degreaser Brush Can</p>	<p>Same Equipment for 110 and 090.</p> <p>↓</p>
Task VIII		<p>Turntable</p> <p>Calibrate Cathode-tomster</p> <p>Hand Gages</p> <p>Hand Cleaning Jigs</p>	<p>Turntable</p> <p>Calibrate Cathode-tomster</p> <p>Hand Gages</p> <p>Hand Cleaning Jigs</p>	<p>Turntable</p> <p>Calibrate Cathode-tomster</p> <p>Hand Gages</p> <p>Hand Cleaning Jigs</p>	
Task XII		Express Car Adaptor Storage Station	Express Car Adaptor Storage Station	Express Car Adaptor Storage Station	
Final Insp.		<p>Electrolytic Test Jigs</p> <p>Gauges</p> <p>Ionization Counter</p> <p>Master Gauges</p> <p>Shipping Container</p>	<p>Electrolytic Test Jigs</p> <p>Gauges</p> <p>Ionization Counter</p> <p>Master Gauges</p> <p>Shipping Container</p>	<p>Electrolytic Test Jigs</p> <p>Gauges</p> <p>Ionization Counter</p> <p>Master Gauges</p> <p>Shipping Container</p>	"Insert" Changes