

ENERGY CONTROL PROCEDURE

The following Energy Control Procedure should be used for the equipment listed below.

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Approvals: _____ Date Approved: _____

EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: PH2-160 TON PRESS (BMC #3047)

MANUFACTURER: MINSTER MACHINE

MODEL: P2H-160 SERIAL NUMBER: P2H-180-28018

LOCATION: MAIN PRESS ROOM

CONTROLS

The following Controls, including "start/stop" buttons, toggle switches, emergency stop button, shut-off valves, etc. have been identified for this equipment.

<u>Description of Control</u>	<u>Location on Equipment</u>
• <u>LINK 5000</u>	<u>MAIN PANEL</u>
• <u>AIR VALVES – 2</u>	<u>BACK OF PRESS AND FEED</u>
• <u>BREAKER PANEL A2N</u>	<u>MIDDLE OF ROOM AT FLOOR DRAIN</u>

SHUTDOWN PROCEDURES

The steps listed below must be followed to properly shut down and de-energize this equipment.

To verify the effectiveness of each step follow the instructions in the "Verification" column.

Lock-Out/Tag-Out

<u>Procedure</u>	<u>Device Used</u>	<u>How to Verify</u>
• <u>NOTIFY "AFFECTED" AND</u>	_____	_____
<u>"OTHER" EMPLOYEES OF</u>	_____	_____
<u>IMPENDING EQUIPMENT</u>	_____	_____
<u>SHUTDOWN</u>	_____	_____
• <u>PULL DISCONNECT AND</u>	<u>LOCK/TAG</u>	<u>LOOK AT CONTROL</u>
<u>LOCK AND TAG</u>	_____	<u>PANEL</u>
• <u>PUT STOP BLOCK ON PRESS</u>	_____	<u>N/A</u>
<u>BED</u>	_____	_____
• <u>PUSH IN BOTH AIR VALVES</u>	<u>2-LOCK/TAG</u>	<u>DRAIN AIR</u>
<u>AND LOCK</u>	_____	_____
• <u>UNPLUG 240 - 1 PHASE PLUG</u>	<u>PLUG BOX - LOCK/TAG</u>	<u>CHECK FOR POWER AT</u>
_____	_____	<u>120 VOLT RECEPTACLE</u>

Close Press to 180°

↑
120-

ENERGY SOURCES/ISOLATION DEVICES

The following Energy Sources and Energy Isolation Devices supporting this equipment have been identified.

Energy Types: (CHECK ALL THOS APPLICABLE)

Electrical X Pneumatic X Hydraulic X
 Steam _____ Chemical _____ Thermal _____
 "Stored" Energy X Other _____

<u>SOURCES/DEVICES</u>	<u>LOCATION</u>	<u>TYPE OF LOCK/TAG NEEDED</u>
• <u>DISCONNECT</u>	<u>FRONT RIGHT SIDE - MAIN</u>	<u>LOCK & TAG</u>
_____	<u>PRESS PANEL</u>	_____
• <u>PLUG</u>	<u>120 - 240 VOLT - 1 PHASE ON</u> <i>above main panel</i>	<u>TAG WITH PLUG BOX</u>
_____	_____	_____
• <u>AIR SUPPLY</u>	<u>LOCATED - 2PLACES</u>	<u>2- LOCK & TAGS</u>
_____	<u>1 - BACK OF FEED AND</u>	_____
_____	<u>1 - LEFT BACK SIDE OF</u> <i>Press</i>	_____
• <u>STOP BLOCK</u>	<u>LEFT BACK SIDE OF PRESS</u>	_____

RELEASE AND RESTART PROCEDURES

The steps listed below must be followed to properly release this equipment from a locked or tagged out condition and restart it.

<u>PROCEDURE</u>	<u>LOCATION</u>
• <u>Inspect work area and remove tools and other non-essential items.</u>	_____
• <u>Inspect equipment and components to make sure it is intact and ready to run.</u>	_____
• <u>Notify "affected" and "other" employees in the area of impending restart and make sure they are safely positioned away from the equipment</u>	_____
• <u>UNLOCK PLUG BOX AND PLUG THE 240 VOLT 1 PHASE PLUG BACK IN</u> [↑] 120-	<u>BACK LEFT SIDE MAIN PRESS PANEL</u> <u>UP HIGH</u>
• <u>UNLOCK BOTH AIR VALVES AND PULL ON</u>	<u>BACK LEFT SIDE OF PRESS AND THE BACK OF THE FEED</u>
• <u>UNLOCK MAIN DISCONNECT AND TURN ON</u>	<u>FRONT RIGHT SIDE OF PRESS PANEL</u>
• _____	_____
• <u>MOVE THE STOP BLOCK FROM THE BED AND PUT IT BACK IN HOLDER AND PLUG IN</u>	_____