

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: ASM 300 ton press, feed, straightner & reel (BMC 3200)

Manufacturer: Minster machine

Model: _____ serial number: 29620

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.

Description of control	Location on equipment
Touch screen minster	Front right side of the press panel
Air valve	Back left corner of press
Air valve	Back left side of straightner
Press & feed disconnect	Left rear control panel
Motor control disconnect	Right of control panel
Straightner & reel disconnect	Right front

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>
Disconnect	Back side – main press panel	Lock & tag
Disconnect	Drive panel behind press panel	Lock & tag
Disconnect	Feed cabinet	Lock & tag
Disconnect	Straightner	Lock & tag
Stop block	Main panel left front side of press	Lock & tag
Air valve	Left back side of press	Lock & tag
Air valve	Back side of straightner	Lock & tag
Do not go into press control on next 2 points		
120 v 1 phase	Plug on the left side of press	Plug box & lock tag
120 v 1 phase	Plug on the left side of straightner panel	Plug box & lock tag

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>
Notify “affected” and “other” employees of impending equipment shutdown		
Stop block	Left side main press panel put on bed	Na
Oil spray	Unplug	No power
Turn off main disconnect	Lock & tag	No power
Turn off feed disconnect	Lock & tag	No power
Turn off straightner disconnect	Lock & tag	No power
Turn off drive disconnect	Lock & tag	No power
Close the air valve on press	Lock/tag	Drain counterbalance
Close the air valve on straightner	Lock/tag	Check gage

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.

Procedure	Location
Inspect work area and remove tools and other non-essential items.	
Inspect equipment and components to make sure it is intact and ready to run.	
Notify "affected" and "other" employees in the area of impending restart and make sure they are safely positioned away from the equipment	
Put stop block back in holder and plug in	Left hand side of press main panel
Close counterbalance, drain valve unlock	Left back corner of press
Main air valve on press & pull on	
Unlock air valve straightner	Back left side of straightner
Unlock main drive disconnect and and turn on	Tall panel behind main press panel
Unlock main press panel and turn on disconnect	Front right side of press – back of the panel
Unlock main press panel and turn on	Plug on front left side of press
Unlock plug box and plug in	Plug on front left side of press
Unlock plug box and plug on	Plug on front left side of of straightner