

ENERGY CONTROL PROCEDURE

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

Date Written: 4-1-14 Date of Revisions: _____ - _____

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Reviewing Personnel: _____ Date Reviewed: _____

Approvals: _____ Date Approved: _____

EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Horizontal machine center

MANUFACTURER: Mitsubishi BMC # 1066

MODEL: MH80D SERIAL NUMBER: CH4134

LOCATION: Tool Room North West Corner

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
Power on button	Operators main panel
Control ready button	Operators side panel
Main breaker	Side of machine on electrical cabinet door
Air supply	Rear of machine department (marked)
Main disconnect	On other side of wall in NC department, (along side of machine)

ENERGY SOURCES/ISOLATION DEVICES

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

Energy Types: (CHECK ALL THOSE APPLICABLE)

Electrical	X
Pneumatic	X
Hydraulic	X
Steam	
Chemical	
Thermal	
“Stored” Energy	
Other	

Sources / Devices	Location	Type of Lock/Tag Needed
Main disconnect	On wall in NC opposite machine	Std lock and tag
Power off button	Operators main panel	n/a
Main breaker	Operators side electrical panel	Std lock and tag

	door	
Air supply	Left rear of machine	Quick disconnect cap – std lock and 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

Procedure	Device used	How to verify
Notify “Affected” and “Other” employees of impending equipment shutdown		
Push control power off	n/a	Try any function
Switch off main breaker	Std. lock and tag	Push control on try control ready
Disconnect air supply	Quick connect cap std. lock and tag	Check pressure gauge
Switch off main disconnect	Std. lock and tag	Check for voltage

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	
Unlock and switch on main disconnect	Opposite side of wall in NC department
Unlock and reconnect air supply	Left rear of machine
Unlock and switch on main breaker	Side of machine electrical cabinet door
Push power on button	Operators main panel
Push and hold control ready button till hydraulics come on	Operator function panel