

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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EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Vertical Machine
 MANUFACTURER: YCM BMC# 1080
 MODEL: TV-2110B SERIAL NUMBER: 0069
 LOCATION: Tool Room West Wall

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
Main Disconnect	NC wall breaker panel next to water jet
Main Breaker	Rear of Machine electrical Cabinet door
Power on button	Operator pendent
Air line	Rear 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	Breaker panel on wall by water jet	Standard lock and tag
Main breaker	Back of machine on electrical cabinet door	Standard lock and tag

Power off	Operators pendant	N/A
Air supply	Back of machine	Quick connect cap standard 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 power off button	N/A	Try any function
Switch off main breaker	Standard lock and tag	Try power on
Main breaker disconnect	Standard lock and tag	Check for voltage
Disconnect quick connect air line	Quick connect cap standard lock and tag	Pressure gauge

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 connect air	Reach of machine
Unlock and switch on main disconnect	In panel on wall next to water jet
Unlock and switch on main breaker	Rear of machine electrical cabinet on door
Push power on button	Operator pendant