

## ENERGY CONTROL PROCEDURE

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

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 Authors: Ed Graef  
 Reviewing Personnel:                      Date Reviewed:             
 Approvals:                                      Date Approved:           

### EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Vertical Machine  
 MANUFACTURER: YCM BMC # 1089  
 MODEL: NDV-85A SERIAL NUMBER: 0056  
 LOCATION: Tool Room Center

### 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	On post by computer
Main breaker	right side electrical cabinet door
Air supply	Back center inside service door
On/off button	Operators pendant

### 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	<b>X</b>
Pneumatic	<b>X</b>
Hydraulic	
Steam	
Chemical	
Thermal	
“Stored” Energy	
Other	

Sources / Devices	Location	Type of Lock/Tag Needed
Main air	Back center inside service door	Quick connect cap std. lock & tag
Main disconnect	Post by computer	std. lock & tag
Main breaker	Right side electrical cabinet door	Std. lock and tag

On/off button	Operators pendant	n/a

## 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 off button	n/a	Try any function
Disconnect air supply	Quick connect cap std. lock & tag	Check gauge
Main breaker switched off	Std. lock & tag	Try power on button
Switched off	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 connect air supply	Back center inside service door
Unlock main disconnect and switch on	On post by computer desk
Unlock main breaker and switch on	Right side electrical cabinet door
Push power button	Operator’s pendant