

ENERGY CONTROL PROCEDURE

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

Date Written: 1-3-01 Date of Revisions: _____
 Authors: Ed Graef
 Reviewing Personnel: _____ Date Reviewed: _____
 Approvals: _____ Date Approved: _____

EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Vertical Machining Center (#1042)
 MANUFACTURER: OKK
 MODEL: PCV55 SERIAL NUMBER: 322
 LOCATION: Tool 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
On-off button	Front Pendent
Power switch	Right side rear
Main disconnect	Post on right side of machine with overhead jib on it
Air disconnect	Rear middle

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	
Steam	
Chemical	
Thermal	
“Stored” Energy	
Other	

Sources / Devices	Location	Type of Lock/Tag Needed
Main disconnect	Post on right side of machine with overhead jib on it	Std. pad lock & tag
Air hose	Rear of machine quick disconnect	Hose end cover, std. pad 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

Procedure	Device used	How to verify
NOTIFY “AFFECTED” AND “OTHER” EMPLOYEES OF IMPENDING EQUIPMENT SHUTDOWN		
On-off button	NA	Check CRT on pendent
Main power switch, switch off	Std. padlock & tag	Try on-off button to see if control powers up
Air disconnect	Hose cover & std. pad lock & tag	No air pressure on 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.

<u>Procedure</u>	<u>Location</u>
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 reconnect air supply	Rear of machine
Unlock & switch on main disconnect	On post with the jib next to the machine and it’s marked with the BMC# 1042
Unlock & switch on	Main Power Switch
On-off button push on	On Front of pendent