

## ENERGY CONTROL PROCEDURE

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

Date Written: 2-25-11 Date of Revisions: \_\_\_\_\_  
 Authors: Steve Voll  
 Reviewing Personnel: \_\_\_\_\_ Date Reviewed: \_\_\_\_\_  
 Approvals: \_\_\_\_\_ Date Approved: \_\_\_\_\_

### EQUIPMENT DESCRIPTION

GENERAL DESCRIPTION: Wet Grinders 1051, 1052, 1057, 1026, 1005  
 MANUFACTURER: Okamoto  
 MODEL: 12-24 DX SERIAL NUMBER: 64713  
 MODEL: 16-32 DX SERIAL NUMBER: 68696  
 MODEL: 16-32 DX SERIAL NUMBER: 68610  
 MODEL: 12-24 DX SERIAL NUMBER: 63714  
 MODEL: Accugar124N SERIAL NUMBER: 6604

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
Power Off Buttons	Front Right Operators Panel
Machine Disconnect	Right Side of machine
Main Disconnect	On wall at end 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	<b>X</b>
Pneumatic	
Hydraulic	<b>X</b>
Steam	
Chemical	
Thermal	
“Stored” Energy	
Other	

Sources / Devices	Location	Type of Lock/Tag Needed
Machine Disconnect	Right side of machine	Lock & tag
Power Off Buttons	Operators Panel	
Main Disconnect	Wall	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		
Push Power off Buttons		
Turn off disconnect – Machine	Lock & tag	Try to turn on
Main Disconnect	Lock & 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.

<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	
Turn on Main disconnect	Wall end of machine
Turn on Machine disconnect	Right side of machine
Push Power on Buttons	Operators Panel

