

# ENERGY CONTROL PROCEDURE

Plant:	Parker Hannifin , Irvine , CA	Developed By:	Sentinel Safety Group
Department/Process:	Manifold Cell	Reviewed By:	
Equipment Name:	Okuma MC 60H	Origin Date:	2/1/2019
Asset Number:	B 1237	Revision Date:	

## Procedure Purpose and Compliance

**Purpose & Scope:** This procedure establishes the minimum requirements for the lockout of energy isolating devices whenever maintenance or servicing tasks are performed on machines or equipment as outlined below in 'Tasks'.

**Compliance:** All employees are required to comply with the restrictions and limitations imposed upon them during the use of lockout. The authorized employees are required to perform the lockout in accordance with this procedure. Failure to follow this lockout procedure may result in injury to personnel or damage to equipment and may result in disciplinary action, including termination.

**Tasks:** This procedure applies to the following tasks associated with this equipment:

- 1 Maintenance and Servicing
- 2 \_\_\_\_\_

- 3 \_\_\_\_\_
- 4 \_\_\_\_\_

<b>3</b>		<b># Locks Needed for Lockout</b>	<b>Special Instruction</b>
			Spanner key required to shut off electrical disconnect. Chip Conveyor on main energy source.

## Cautionary Statement

Pneumatic equipment can store energy. Ensure pressures have bled off before proceeding.

### Lockout Sequence

- STEP 1 Notify all affected employees that the equipment must be shut down and locked out.
- STEP 2 Authorized employee shall understand the hazards of the energy and shall know the methods to control the energy.
- STEP 3 Shut equipment down by the normal stopping procedure.
- STEP 4 De-activate the energy isolating device(s) so that the machine or equipment is isolated from the energy source(s) identified below.

Energy Source Magnitude	Isolation Point ID	Energy Isolating Device & Isolation Method	Lockout Device	Stored Energy?	Zero Energy Verification
Electrical 480 VAC	225	Place disconnect in off position and apply lock.	Lock	Yes	Attempt restart at CP-1.
Pneumatic 80 - 110 PSI	1132	Turn valve to closed position and apply lock.	Ball Valve Device	No	Pressure bleeds off automatically.
Gravity		Lower Spindle before deenergizing. If nature of work required spindle to be elevated it must be supported.	Support Block	Yes	Ensure spindle is lowered or supported

STEP 5 Lock out the energy isolating device(s) with assigned individual lock(s) or process locks.

STEP 6 Stored or residual energy must be dissipated or restrained as shown below.

Energy Source	Method of Control or Dissipation.	Equipment Needed
Gravity	Lower spindle or support spindle.	Support Block
Electrical 480 VAC	Open electrical cabinet and hold capacitor button for 10 seconds to dissipate energy.	None

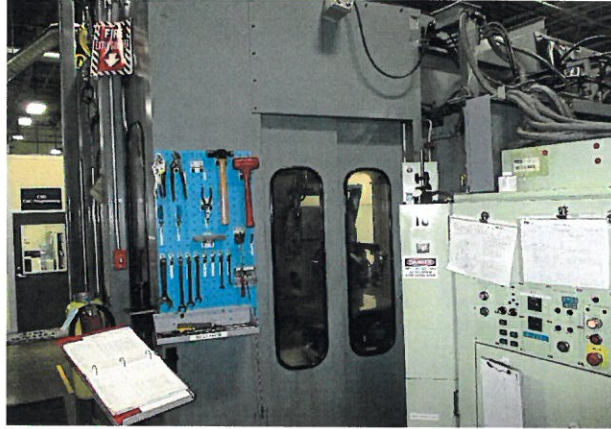
STEP 7 Verify the isolation of the equipment by operating control(s) or by testing to make certain the equipment will not operate by following the Zero Energy Verification outlined in section 4. *Please note that electrical work or access to electrical conductor requires zero energy verification with a properly rated meter.*

STEP 8 The machine or equipment is now locked out.

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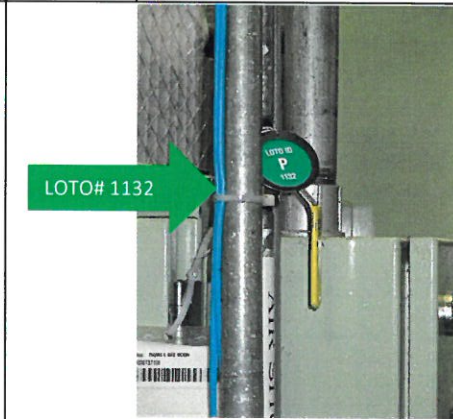
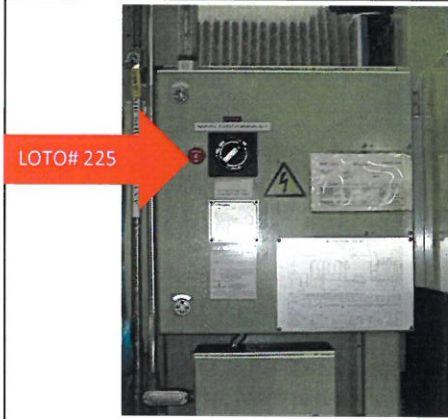
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Equipment Photo: **Okuma MC 604, B 1237**



### Isolation Point and Controls Identification

Description:	LOTO# 225, 480 VAC, Main Disconnect	Description:	LOTO# 1132, Air Shutoff Valve
Location:	Right of Machine	Location:	Right of Machine



Description:	Control Panel 1	Description:	Blank
Location:	Front of Machine	Location:	

