

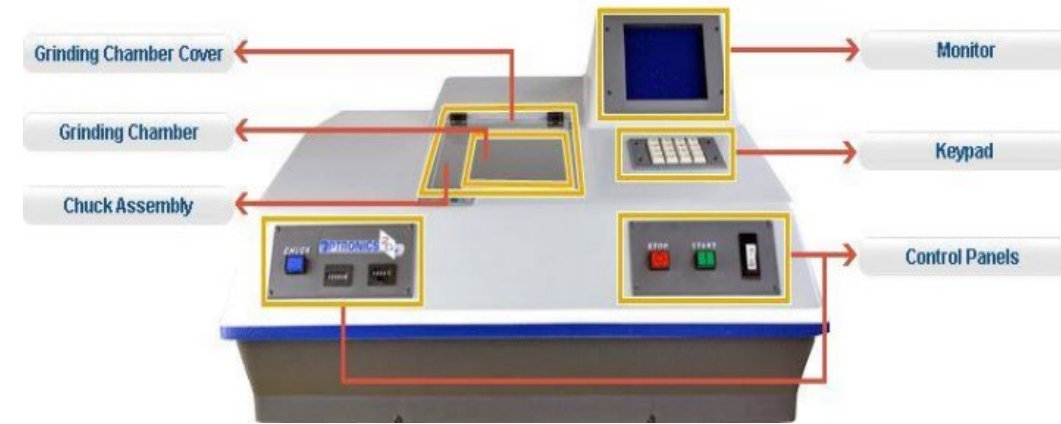
# LC Lab Equipment Safety Guide (2021)

**LUXOTICA®**

# 2-G

<b>Equipment:</b>	2G generator
<b>Used for:</b>	Surfacing lenses
<b>Safety guard:</b>	Mercury switch/Grinding chamber door not damaged
<b>How does it work:</b>	Mercury switch turns the unit off when the lid is opened during a cycle .
<b>How to check:</b>	Turn the machine on and open the lid. Confirm the machine turns off. Chamber door not cracked or damaged.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	2 energy sources, electrical and pneumatic
<b>Warning Sticker:</b>	Warning sticker on cutting chamber door in place. The sticker warns to wait for blade to stop turning before removing a lens or reaching inside the chamber. Replace the sticker by contacting diagnostics through HotSpot

Picture of Equipment:



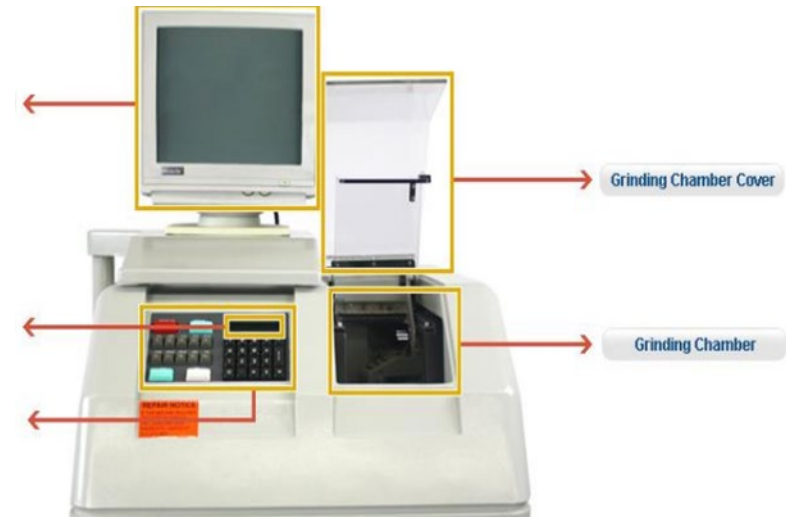
Picture of Grinding Chamber Door:



# SGX Generator

<b>Equipment:</b>	SGX Generator
<b>Used for:</b>	Surfacing lenses
<b>Safety guard:</b>	Grinding Chamber Cover
<b>How does it work:</b>	Grinding chamber door not damaged or bypassed.
<b>How to check:</b>	Turn the machine on and open the lid. Confirm the machine turns off when cover is lifted.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	2 energy sources, electrical and pneumatic

Picture of Equipment:



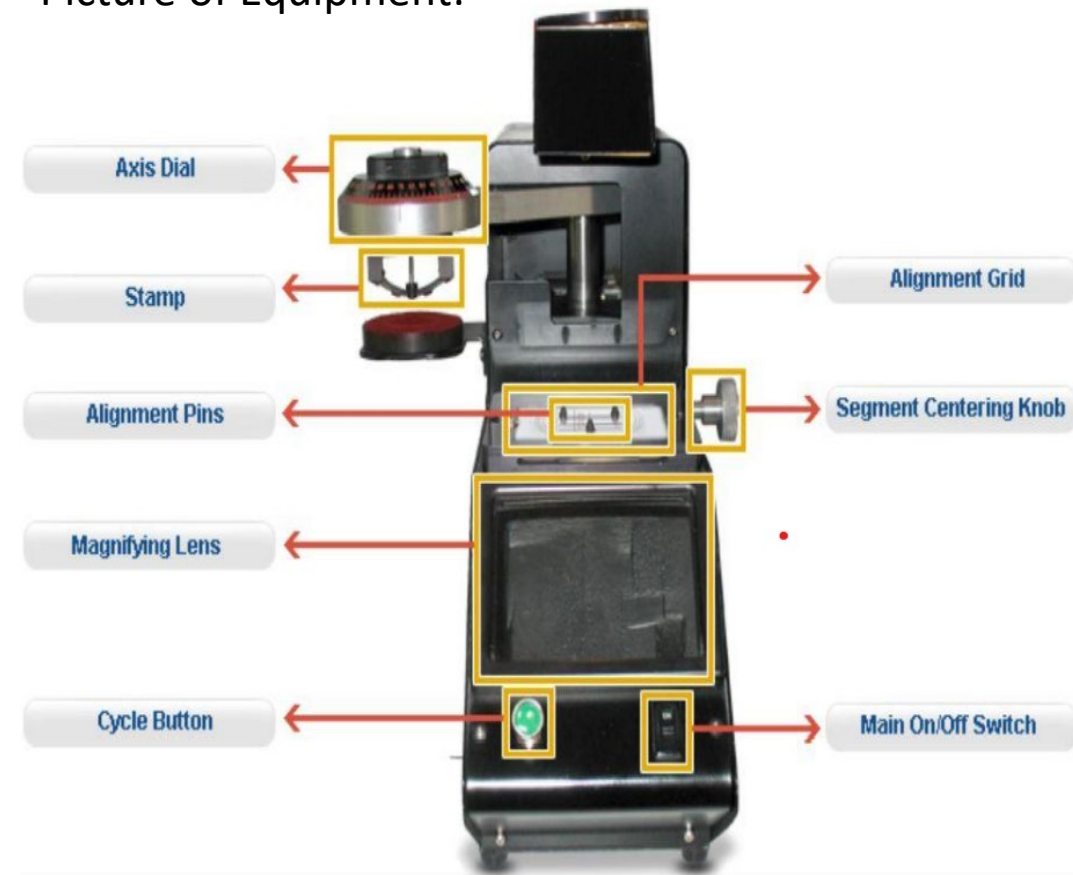
Picture of Grinding Chamber Cover Door:



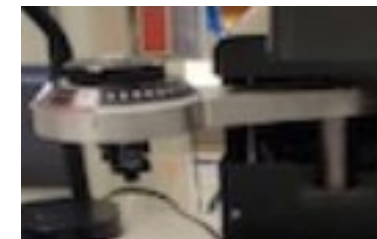
# CS-7 Marker Blocker

<b>Equipment:</b>	CS-7 Marker Blocker
<b>Used for:</b>	Marking surface lenses/blocking finish lenses
<b>Safety guard:</b>	Operates on a cycle button
<b>How does it work:</b>	Cycle button engages movement of marker/blocker arm
<b>How to check:</b>	Make sure that the marker/blocker arm stops moving immediately upon releasing the cycle button
<b>How to repair:</b>	LOTO, then contact Diagnostics (via HotSpot)
<b>LOTO</b>	1 energy source, electrical

Picture of Equipment:



Picture of Marker/Blocker Arm



# Clean N Coat

<b>Equipment:</b>	Clean N Coat
<b>Used for:</b>	Hard coating polycarbonate lenses
<b>Safety guard:</b>	Coating chamber cover
<b>How does it work:</b>	The chamber cover closes over the coating chamber when coating a lens
<b>How to check:</b>	Machine should not engage in a cycle when the door is up. Lift the lid and press the cycle button to check.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	2 energy sources, electrical and pneumatic

Picture of Equipment:



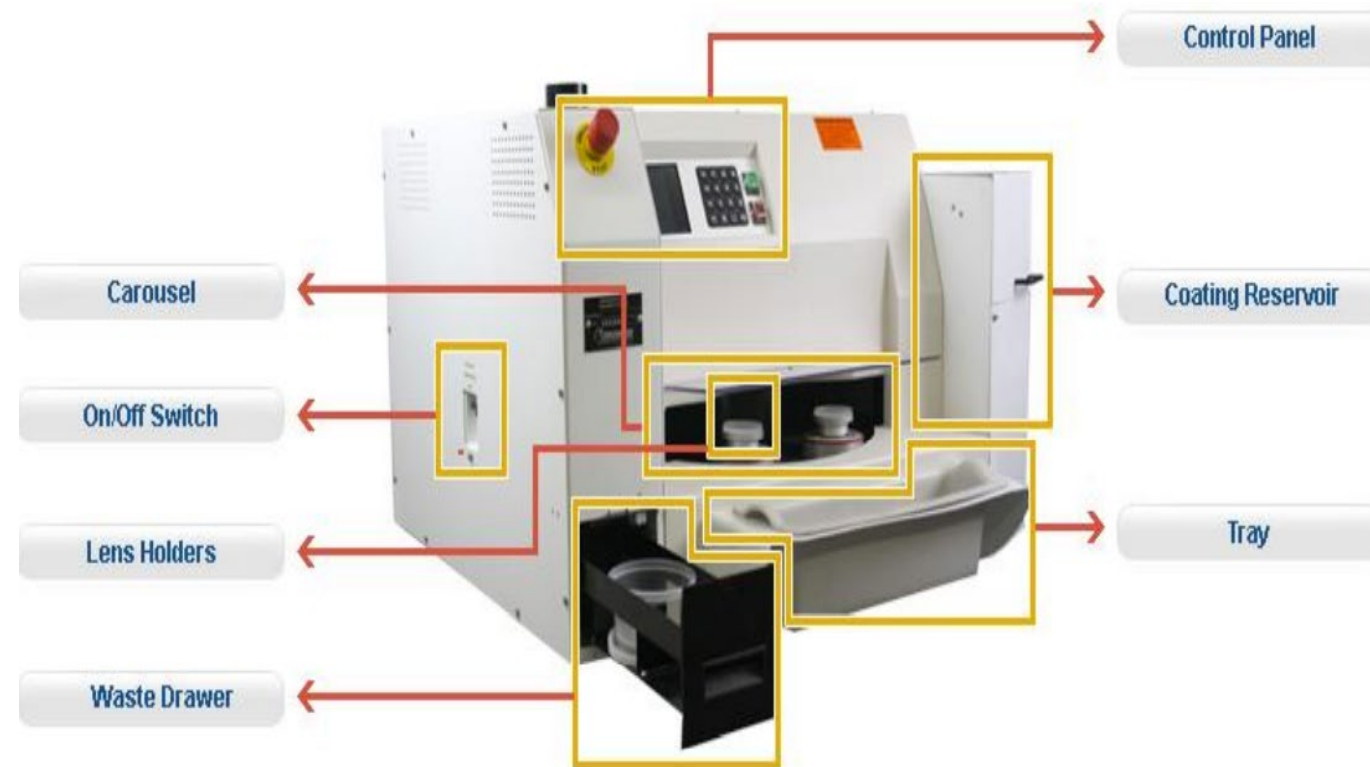
Picture of Coating Chamber Cover Door



# Stratum Coater

<b>Equipment:</b>	Stratum Coater
<b>Used for:</b>	Hard coating polycarbonate lenses
<b>Safety guard:</b>	Splash shield over coating chamber opening
<b>How does it work:</b>	Splash Shield covers opening where lenses are placed into the unit
<b>How to check:</b>	No cracks in the splash shield or missing splash shield
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	2 energy sources, electrical and pneumatic

Picture of Equipment:



Picture of Shield:



# 113/2113 Generator

<b>Equipment:</b>	113/2113 Generator
<b>Used for:</b>	Surfacing lenses
<b>Safety guard:</b>	Rubber baffle cover over cutting wheel
<b>How does it work:</b>	Rubber baffle covers the cutting wheel, holds coolant while processing to eliminates liquid slip hazard
<b>How to check:</b>	Check for holes in the rubber baffle (areas where the cutting wheel has damaged the baffle cover), ensure that the hose clamp securely fastens both sides of baffle together.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	2 energy sources, electrical and pneumatic

Picture of Equipment:



Picture of Baffle with Hose Clamp:



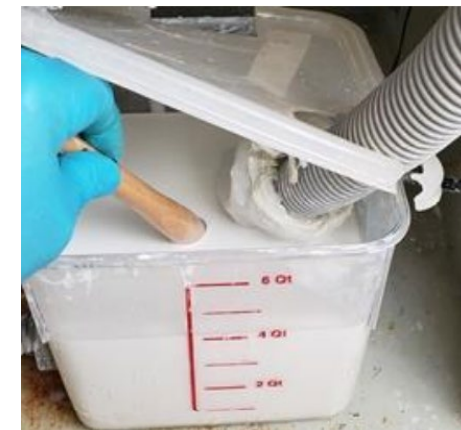
# Acuity Cylinder Machine

<b>Equipment:</b>	Acuity Cylinder Machine
<b>Used for:</b>	Fining and polishing surface lenses
<b>Safety guard:</b>	Slurry cover on water/polish container
<b>How does it work:</b>	Covers slurry container for finer and polisher (eliminates liquid slip hazard)
<b>How to check:</b>	Covers are in place and not damaged.
<b>How to repair:</b>	LOTO, order bucket and/or cover via CP/diagnostics
<b>LOTO</b>	2 energy sources, electrical and pneumatic

Picture of Equipment:



Picture of Slurry Container Cover:





# 5000/5056 Cylinder Machine

Picture of Equipment:

<b>Equipment:</b>	5000/5056 Cylinder Machine
<b>Used for:</b>	Fining and polishing surface lenses
<b>Safety guard:</b>	Slurry chamber cover doors
<b>How does it work:</b>	Doors cover the slurry chamber during fining and polishing (eliminates liquid slip hazard)
<b>How to check:</b>	Covers are present and in place when machine is in use, doors are not damaged.
<b>How to repair:</b>	LOTO, Order via CP/diagnostics
<b>LOTO</b>	2 energy sources, electrical and pneumatic



The cover is raised over the fining and polishing chamber to prevent splashes.

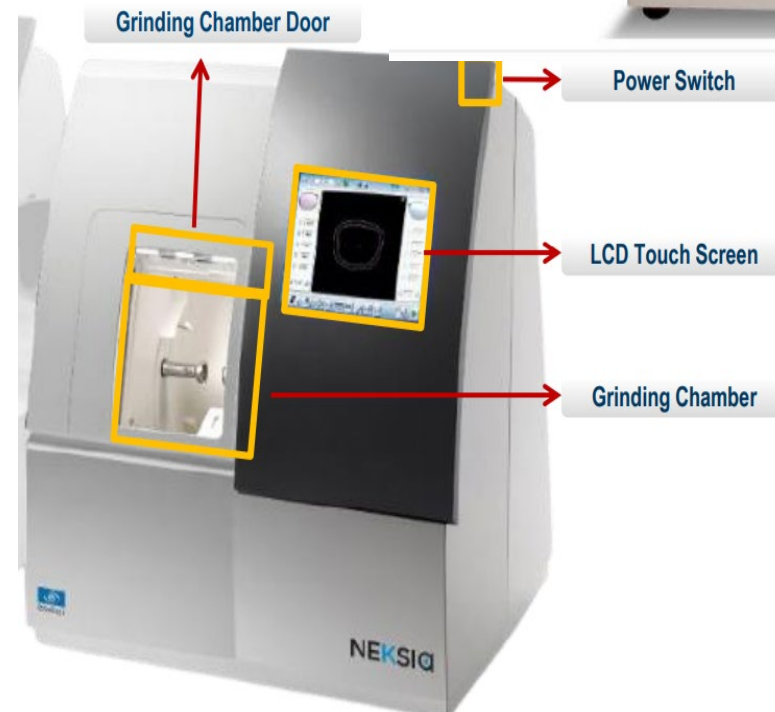
Picture of Slurry Container Cover:



# Wet Edgers

<b>Equipment:</b>	Neksia/spartan/Lex 1000/1200/Briot
<b>Used for:</b>	Edging finish lenses
<b>Safety guard:</b>	Cover door for edging chamber
<b>How does it work:</b>	Cover door covers open edging chamber/prevents liquid from leaking to prevent slip hazard
<b>How to check:</b>	Check for damaged or missing door.
<b>How to repair:</b>	LOTO, then contact Diagnostics (via HotSpot)
<b>LOTO</b>	1 energy source, electrical
<b>Machine Guard Labels for Lex 1000</b>	Safety label cover CP 3041486 \$2.63
	Lex Edger CP 3041487 \$3.65

## Pictures of Equipment



# Dry Edgers

<b>Equipment:</b>	6ES/7E/7EX dry edger
<b>Used for:</b>	Edging finish lenses
<b>Safety guard:</b>	Cutting chamber door for edging chamber
<b>How does it work:</b>	Chamber door covers edging chamber during an edging cycle.
<b>How to check:</b>	Check for cracked, damaged or a door that doesn't close completely during an edging cycle.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	1 energy source, electrical

Picture of Equipment:



Picture of Chamber Cover Door:



# Hand Stones

<b>Equipment:</b>	Hand stones - Diamond/Ceramic
<b>Used for:</b>	Safety beveling and hand edging lenses
<b>Safety guard:</b>	Shield cover over wheel
<b>How does it work:</b>	Shield covers the top of diamond/ceramic wheel to prevent splashing/eye injury from debris
<b>How to check:</b>	Check for damaged or missing shield.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	1 energy source, electrical

Picture of Equipment:



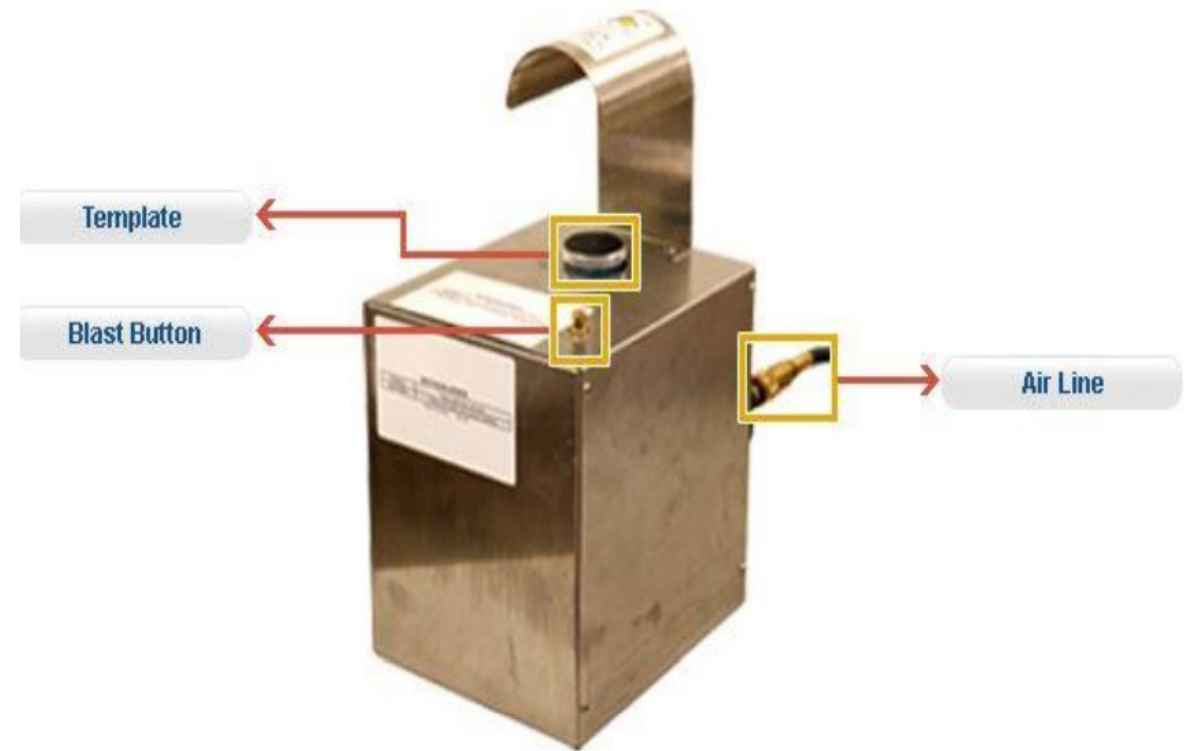
Picture of Shield:



# Monogrammer

<b>Equipment:</b>	Monogrammer
<b>Used for:</b>	Placing a monogram on safety lenses
<b>Safety guard:</b>	Shield over monogrammer template
<b>How does it work:</b>	Shield prevents aluminum Oxide form spraying into face and eyes
<b>How to check:</b>	Check for damaged or missing shield.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	1 energy source, pneumatic

Picture of Equipment:



Picture of Shield:



# Lens Buffer

<b>Equipment:</b>	Lens Buffer
<b>Used for:</b>	Edge/roll polishing lenses
<b>Safety guard:</b>	Shield across the front of polishing chamber
<b>How does it work:</b>	Shield prevents polish and possibly the lens from hitting an associate.
<b>How to check:</b>	Check for damaged, cracked or missing shield.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	1 energy source, electrical

Picture of Equipment:



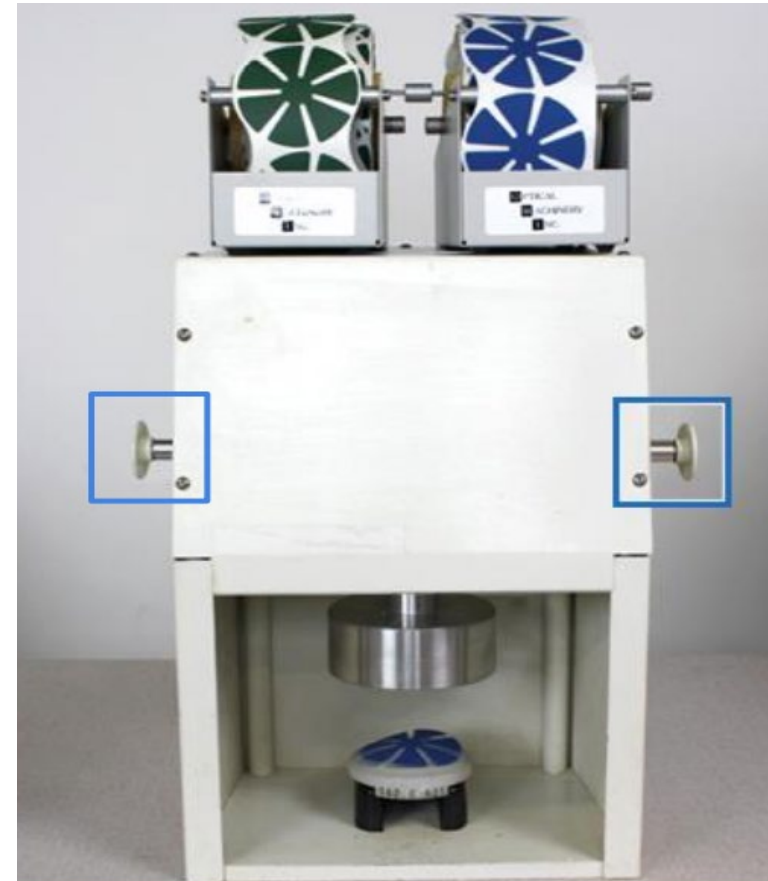
Picture of Shield:



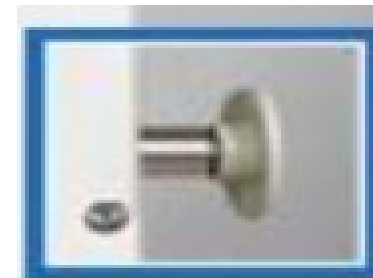
# Pad Press

<b>Equipment:</b>	Pad Press
<b>Used for:</b>	Adhering fining pads to lens laps
<b>Safety guard:</b>	Pressure release buttons
<b>How does it work:</b>	Press both buttons simultaneously to release press
<b>How to check:</b>	Check for only one button releasing press. One button should NOT release press.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	1 energy source, pneumatic

Picture of Equipment:



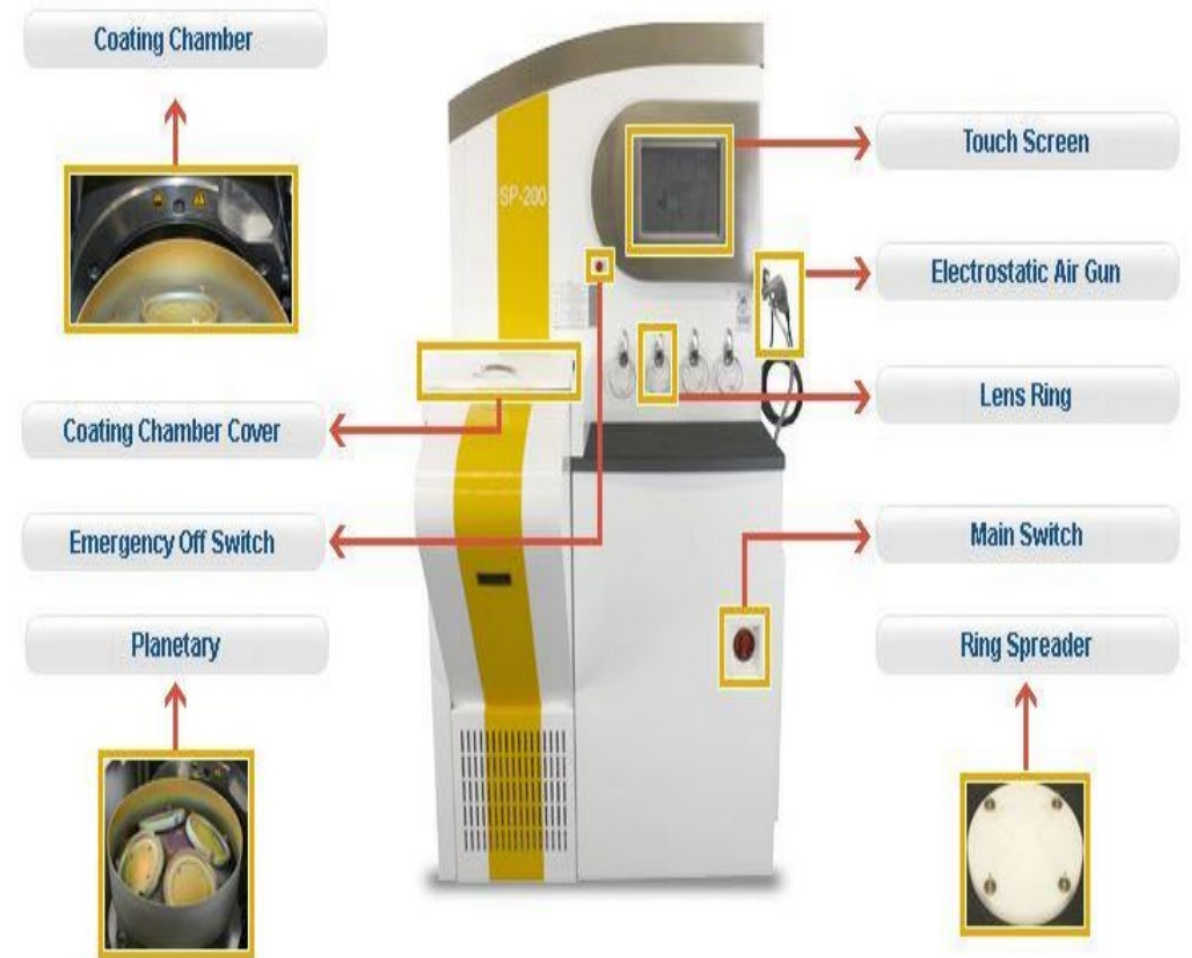
Picture of press release button:



# SP-200

<b>Equipment:</b>	SP-200
<b>Used for:</b>	AR coating surface lenses
<b>Safety guard:</b>	Coating Chamber lid
<b>How does it work:</b>	Chamber lid is locked closed during a coating cycle
<b>How to check:</b>	Slightly lift the lid during the coating process, the lid should be locked in the closed position.
<b>How to repair:</b>	LOTO, then contact Diagnostics (via HotSpot)
<b>LOTO</b>	2 energy sources, electrical and pneumatic

Picture of Equipment:



Picture of Coating Chamber Lid:





# Crystal Spin Coater

<b>Equipment:</b>	Crystal Spin Coater
<b>Used for:</b>	Coating lenses
<b>Safety guard:</b>	Top lid cover
<b>How does it work:</b>	Top cover closes during coating process
<b>How to check:</b>	Reed switch not manually bypassed allowing coater to run with the lid up. Coater turns off if lid is lifted during a normal coating cycle.
<b>How to repair:</b>	LOTO, contact Diagnostics (via HotSpot)
<b>LOTO</b>	2 energy sources, electrical and pneumatic

Picture of Equipment:



Picture of Closed Lid Cover:

