



NSLP Soft Lap Polisher

■ Features/Benefits

- Eliminates need for hard tooling when used with the DAC RxD Lathe
- One size soft lap tool polishes all lens designs
- Dual head can polish one lens, or two simultaneously
- Designed to polish lens blanks up to 100 mm in diameter
- Programmable control of stroke, pressure, time, rotation of lap and lens
- Adapts to a variety of blocks
- Easy to program lens type files
- Able to polish concave, convex or combination lenses
- Robust drive system
- Touchscreen HMI for easy data input
- Rinse tray and blow-off to clean lenses at the polisher
- Self-contained recirculating polish reservoir and pumping system—easy to fill, easy to empty
- Red/amber/green status light
- Small footprint

■ Description

The NSLP offers the latest in computer-controlled soft lap polishing technology. The X axis controls the motion of the dual heads of the polisher, following a pre-programmed path for optimum polishing efficiency. Using time-tested, cloth-covered, air-filled polishing tools, surfaces off the RxD can be polished in 3 minutes or less.

The NSLP utilizes one soft air tool to polish all curves generated by the DAC RxD Lathe. One tool does it all.

Furthermore, the soft air tool features computer-controlled, adjustable motion, pressure and time cycles to assure

consistent, but adjustable removal rates. This ensures the delivery of superb optical surface accuracy in a variety of materials, surface configurations and lens designs.

The NSLP polishes cylinder, prism, PALs, lenticulars, wraps, slab-offs/slab-ons, round segs, and Easy Top bifocals.

The HMI (Human Machine Interface) with touch screen input provides clearly displayed operational information regarding lap position, pressure, lap and lens RPM, and number of cycles remaining. The same HMI is used to program polishing routines.

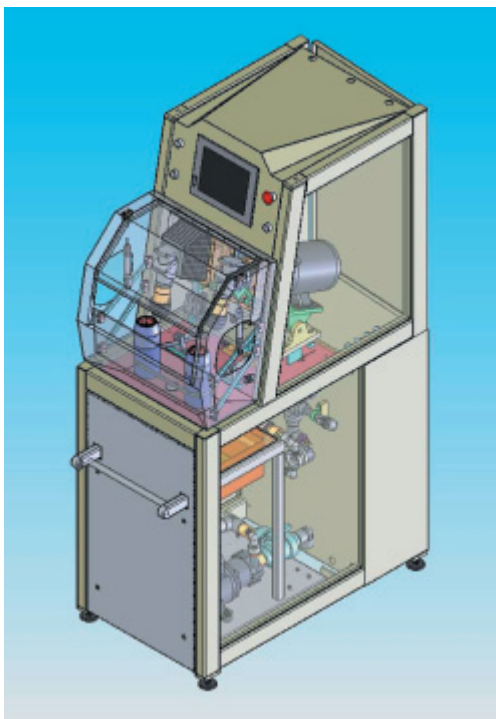


■ Operation

From the touch screen of the HMI, you may select a pre-set program or create a new one. Enter distance from center to edge, speed of traverse, lap and lens RPM, pressure and processing time. Repeat this process for up to 5 steps. Name the *Program*, i.e. CR-39, Poly, etc. There can be as many *Programs* as needed to cover the range of materials.

Remove the air-filled laps, deflate and remove worn cloth, replace with DAC recommended cloth, re-inflate and replace the lap. The replacement cloth will last for 10 or more lenses.

Return to the Operator screen. Load two lenses. The first step of the program will be displayed with the number of cycles. Press the Dual Cycle Start buttons. The door closes automatically, polish begins, the laps come down under pressure and the selected *Program* runs to completely polish both lenses.



■ Specifications

Speed	Lens rotation: 0–60 RPM Soft lap rotation: 0–600 RPM
Room Temperature	68–74 degrees Fahrenheit
Polish Temperature	Holds pre-selected polish temperature within $\pm 2^{\circ}\text{C}$
Power	208, 220, 230 or 240 VAC, 50/60 Hz, 15 Amps
Air	80 psig, .5 CFM, 1/4" air supply
Temperature	Normal room temperature
Footprint	508 mm x 915 mm x 1,677 mm (20" x 36" x 66" H)
Weight	272 kg. (600 lbs.)
Crated Size	1,499 mm x 1,575 mm x 1,956 mm (59" x 62" x 77" H)
Crated Weight	363 kg. (800 lbs.)

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