

MODEL 48 ABOP

AIR BEARING OPTICAL POLISHING MACHINE



PLATE-DIAMETER 48" (1219 MM)
NO. OF CONDITIONING RINGS: 4
TYPE: SINGLE SIDED

MEETING TODAY'S PRECISION SURFACING REQUIREMENTS

- ✓ Designed for production of large area high quality plano optics, or where high outputs are required
- ✓ The machine has a 48" (1219 mm) optical pitch annular lap, and three work stations that can be reciprocated
- ✓ The unique air bearing feature has the pitch lap and its support plate riding on a very thin cushion of compressed air
- ✓ Drive is from an electric motor via a lay shaft, and is transferred to the lap using a multi vee drive belt located on the periphery of the support plate

ACHIEVING HIGH STANDARDS OF FLATNESS AND SURFACE FINISH

HIGHLIGHTS MODEL 48 ABOP

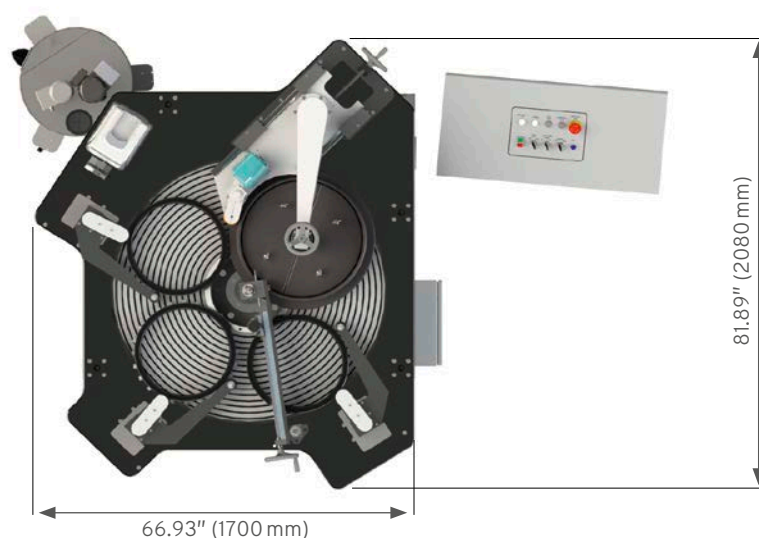
PITCH LAP

- ✔ Manufactured and cast to suit the requirements of the customer
- ✔ The depth of pitch is approximately 2" (50 mm).
- ✔ Pitch lap conditioning is via a glass disc faced conditioning weight fitted to the fourth work station

WORK HOLDER RING

- ✔ The machine can accommodate unblocked and irregular shaped pieces
- ✔ The internal diameter of the workholder ring is 15.75" (400 mm)
- ✔ The three workholder ring stations are fitted with positive drive, ensuring continuous rotation

- ✔ An eccentric oscillating motion drive is incorporated allowing reciprocation of the work across the lap plate track
- ✔ The amplitude of the reciprocation is adjustable via a simple screwed mechanism



TEMPERATURE CONTROL FACILITY

- Machines can be provided in two different forms:
 - i) Plumbed ready for connection to an in-house water supply system or
 - ii) Complete with a freestanding temperature control system, which incorporates a thermostat, refrigerator and heater and allows pumping of recirculated water through the support plate below the pitch lap

PITCH TRIMMING BAR

- This tool can be fitted to the central recess of the lap and to the work table. It is fitted with a special pitch cutting tool which is traversed across the lap surface
- It is used for cutting concentric grooves, or facing off the pitch, following the fitting of a newly cast lap, or if significant damage should occur to the surface. The cutting tool can be raised or lowered to permit various depths of cut to be made

FACILITIES

- Electrical Power
- Compressed air

GET IN TOUCH WITH US TODAY
TOGETHER WE WILL FIND A SOLUTION
FOR YOUR REQUIREMENTS

LAPMASTER WOLTERS

Phone: 1 877 352 8637
 sales@lapmaster-wolters.com
 www.lapmaster-wolters.com