

Automatic Production Curve

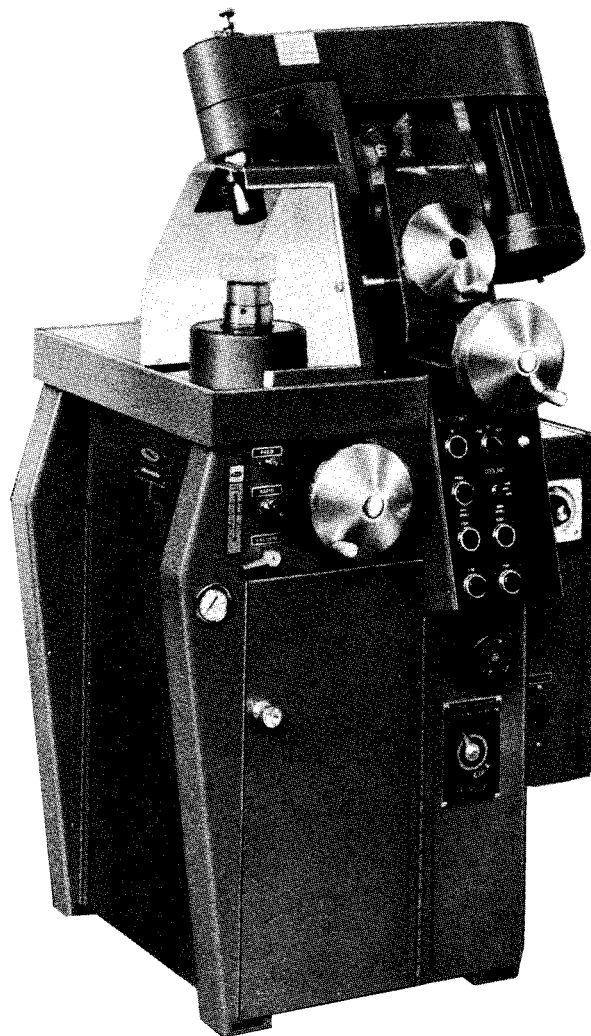
Automatic cycling reduces grinding time and possibility of operator error.

Machine rapid traverses from load position to grinding wheel, feeds to finished thickness setting, dwells and rapid traverses back to load position. Grinding spindle and work spindle motors and coolant shut off.

This machine has grouped controls to make it the simplest and easiest machine to set up and operate. Even the depth stop is controlled by hand wheel and is graduated in .001 per inch. It is designed to be very simple, easy, and fast to operate.

If you have various sizes and types of work and wish the fastest, most precision and easiest methods, you will be interested in this machine. It is definitely the most advanced machine on the market, designed and priced with you in mind.

This model is designed for high production runs on small to medium size work and will maintain accuracy and repeatability time after time.



**STURDY-RIGID
MODEL 7N**

EXTRAS AVAILABLE

- 1. COOLANT SYSTEM:** Including sump tank, pump, piping, return drain, rotating joint, flexible nozzle, and valve.
- 2. VACUUM SYSTEM:** Including vacuum pump, motor, pressure switch, collecting tank assembly, valve, piping, rotating joint, and hollow lower spindle.
- 3. HEAD ANGLE SETTING TABLES:** For instant curve setting.
- 4. VARIABLE SPEED LOWER SPINDLE DRIVE WITH TACHOMETER:** Speed 40 to 300.
- 5. MECHANICAL CROSS FEED** with variable feed rate.
- 6. AUTOMATIC RAPID TO FEED CHANGEOVER.**
- 7. COMPLETE AUTOMATIC CYCLING**
- 8. INDUSTRIAL AIR COMPRESSOR.**
- 9. VACUUM CHUCKS:** All sizes available from 1" to 4" including special designed chucks for holding donut shaped or curved lenses.
- 10. DIAMOND WHEELS:** Specially designed and tested for the operations performed by this machine. Sized to correspond with Head Angle Setting Tables.

Generator

LOWER SPINDLE FEED: Perhaps one of the most unique and important features is the spindle travel being a pneumatic hydraulic system. It is perfectly smooth in operation which eliminates the chipping caused by other types of feeds, which usually feed somewhat jerkily or with a certain degree of vibration. It is equipped with a rapid control valve for positioning the work quickly and easily, and a fine adjustment feed valve. Feed is calibrated from 0" to .250" per minute.

PRESSURE CONTROL: The feed is also controlled for the amount of pressure you wish to exert. The pressure can be set by the operator at any time by only a turn of the handle on the regulating valve. The amount of pressure can be read on the gauge provided.

TILT: Controlled by precision worm gearing, totally enclosed and it has vernier graduations.

UPPER SPINDLE: Is equipped with precision sealed bearings, tilt 50 degrees and extremely strong and rigid.

CROSS SLIDE TRAVEL: Handwheel graduated in .001 per inch. Machined Gib adjustable slide.

SPINDLE SLIDE: Besides being double sealed, this slide is equipped with ground fit, hard chromed, and continuous air mist, cleaned, and lubricated to assure smooth sturdy movement without any chance of cuttings getting into it to cause drag, jumping, or wear.



MODEL 7N

SPECIFICATIONS

Glass Diameter:	0-6"
Glass Thickness:	0-3"
Lower Spindle Travel:	4"
Lower Spindle Speed:	30 to 300
Upper Spindle RPM:	10,000
(Optional)	7,500
(Optional)	4,000
Cross-slide Travel:	
Right of Center	2"
Left of Center	3"

MOTORS:	
Lower Spindle	1/2 H.P., 220/440 V., 3 Ph., 60 Cy.
Upper Spindle	2 H.P., 220/440 V., 3 Ph., 60 Cy.
DIMENSIONS OVERALL:	
Width	34"
Height	57"
Depth front to back	34"
Net Weight	875 lbs. approx.
Crated Weight	1,000 lbs. approx.

Specifications subject to change without notice.