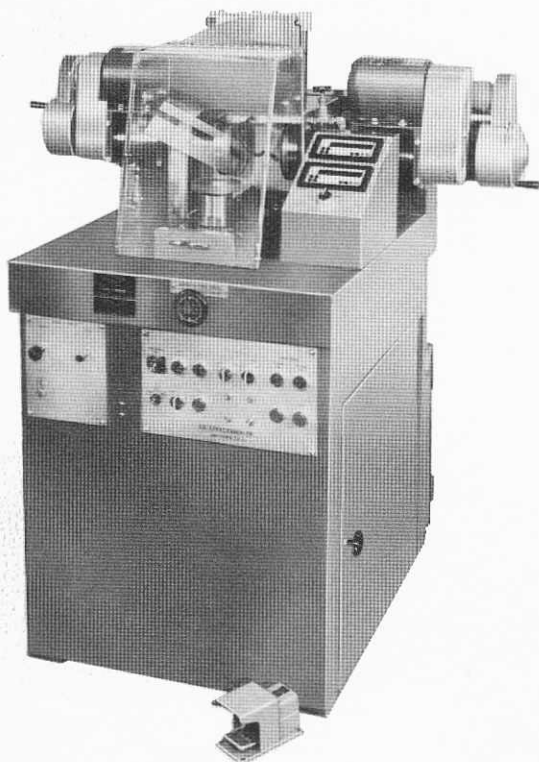


# NEW CONCEPT

## Centering, Edging and Beveling Machines



- Edges and Bevels any degree of bevel in one operation.
- Edges and Faces in one operation.
- Shear angle grind.
- Easier and faster to Center.
- Grinds faster, smoother, less chipping.

The Edge and Bevel are perfectly concentric with each other.

The work spindle is vertical instead of horizontal, therefore the glass does not tend to slide off or out of position. This makes the centering operation much easier and faster.

The super precision spindle is vertical instead of horizontal, therefore it does not tend to deflect or sag in the bearings. Work pieces are unbelievably concentric.

Work pieces have been tested with an electronic indicator showing accuracy of concentricity and roundness within seventy five millionths total indicator reading.

The machine feeds the work by the wheel instead of to the wheel. There is no reason to depend on any stop.

Precise repetitive diameters are so accurate that it is difficult to find any variation in size.

Work spindle is mounted on hardened and ground ball ways to assure precise travel.

Grinding spindle is mounted on precision dovetail slides.

Acme lead screw and hand dial graduated in .001" are provided for adjusting diameter.

Beveling spindle is mounted similarly. It has angular adjustment from horizontal through vertical.

Foot pedal is provided to operate work spindle for centering.



### Model 7J

Optional Auto. Cycle and Incremental Feed.

# Specifications:

## 7L

## 7J

## 7K

Overall Dimensions	Width . . . . .	38 inches	50 inches	70 inches
	Height . . . . .	50 minimum, 60 maximum	56 minimum, 67 maximum	62 minimum, 81 maximum
Work Spindle	Depth front to back . . . . .	36 inches	44 inches	54 inches
	Height of Table Top . . . . .	36 inches	32 inches	37 inches
	Grinding Speed — infinitely variable . . . . .	100 rpm	3 to 100 rpm	2 to 90 rpm
	Centering Speed . . . . .	100 rpm	3 to 100 rpm	2 to 90 rpm
	Travel — front to back . . . . .	7 inches	12 inches	18 inches
	Spindle Nose . . . . .	7/8-14 x 3/4" long	7/8-14 x 3/4" long	1" - 8NC x 3/4" long
Edging Spindle	Feed Rate — inches per minute, infinitely variable . . . . .	.000 to 2.000	.000 to 2.000	.000 to 2.000
	. . . . .	7800 rpm 2" travel	3600 rpm 4" travel	1800 rpm 7" travel
Beveling Spindle	0 to 90 degree tilting capacity. . . . .	7800 rpm 2" travel	3600 rpm 4" travel	1800 rpm 7" travel
Work Capacity	. . . . .	3" diameter	8" diameter	14" diameter
Motors	Grinding Spindles — 3 Phase, 60 Cycle . . . . .	1/2 H.P., 3600 rpm	1/2 H.P., 3600 rpm,	3/4 H.P., 1800 rpm,
	. . . . .	220/440 volt	220/440 volt	220/400 volt
	Work Spindle — infinitely variable . . . . .	110 volt	110 volt	110 volt
Net Weight	Coolant Pump — Single Phase, 60 Cycle . . . . .	1/20 H.P.,	1/20 H.P.,	1/20 H.P.,
	Approximate (Uncrated) . . . . .	110 or 220 volt 885 lbs.	110 or 220 volt 1300 lbs.	110 or 220 volt 2500 lbs.

Specifications subject to change without notice