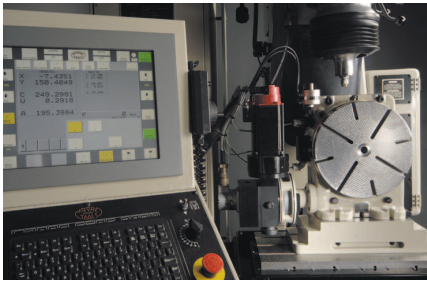


# moore tool company

The Moore Tool Company, a leader in precision machine tool design and manufacture, produces a complete line of jig grinding machines and accessories.

In addition, Moore remanufactures older jig grinders to include full CNC control and new machine capabilities. Tailored to your requirements, we provide a full mechanical rebuild of spindles, housing, and way systems to the guaranteed tolerances of a new machine.



## Features

- Systems remanufactured to original machine performance specifications
- Full CNC control with continuous path control contouring capability
- GE Fanuc multi-axis CNC with customized touchscreen display

## Productivity options

- Four-axis CNC with optional fifth-axis rotary table
- Standard packages available for most Moore models
- Modular packages engineered for efficiency and speed
- Remanufacturing performed in Moore facility
- Available productivity options include autosize and autogrind



# Jig Grinder

## Remanufacturing

# specifications

## Capacity

Table working surface	11.0 x 24.0 in. (280 mm x 610 mm)
Travel X longitude	18.0 in. (450 mm)
Travel Y cross	11.0 in. (280 mm)
Table top to wheel collet (std. 40K grinding head)	2.0 to 18.0 in. (50 mm to 450 mm)
Spindle housing travel	12.625 in. (320 mm)
Quill travel Z vertical	3.5 in. (89 mm)
Spindle angular adjustment	+/- 1.5 degrees
Grinding hole diameter range	.016 to 5 in. (0,4 mm to 127 mm)

## Speeds and feeds

Traverse speed: X & Y axes	60 in./min. (1,500 mm/min.)
Main spindle range	2 to 300 rpm
Grinding wheel with air & electric heads	6,000 to 175,000 rpm
Reciprocation @ 25 mm stroke length – original	2 to 120 cycles/min.
Reciprocation @ 25 mm stroke length – high speed option	2 to 175 cycles/min.

## Accuracy

### Positioning: Step Gage\*

Deviation in full travel: X & Y axes	90 μin. (2,3 μm)
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### Positioning: VDI/DGQ 3441\*

Positional uncertainty P: X axis	120 μin. (3,0 μm)
Positional uncertainty P: Y axis	120 μin. (3,0 μm)
Positional deviation Pa: X axis	100 μin. (2,5 μm)
Positional deviation Pa: Y axis	100 μin. (2,5 μm)

### Contouring\*

X, Y & C at 250 mm/min., measuring a 200 mm (8 inch) ring gage	120 μin. (3,0 μm)
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### Geometric: Squareness\*

Full travel: X to Y axes	40 μin. (1,0 μm)
Spindle housing travel: X-Y plane	90 μin. (2,3 μm)

### Geometric: Alignment\*

Total spindle travel: Parallelism of spindle centerline to column guideways	90 μin. (2,3 μm)
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*(All statements concerning accuracy are based on calibration temperature of 20 +/- 0.5 degrees C [68 +/- 1.0 degrees F])*

*\*Accuracies guaranteed with complete remanufacturing only*



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