

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.

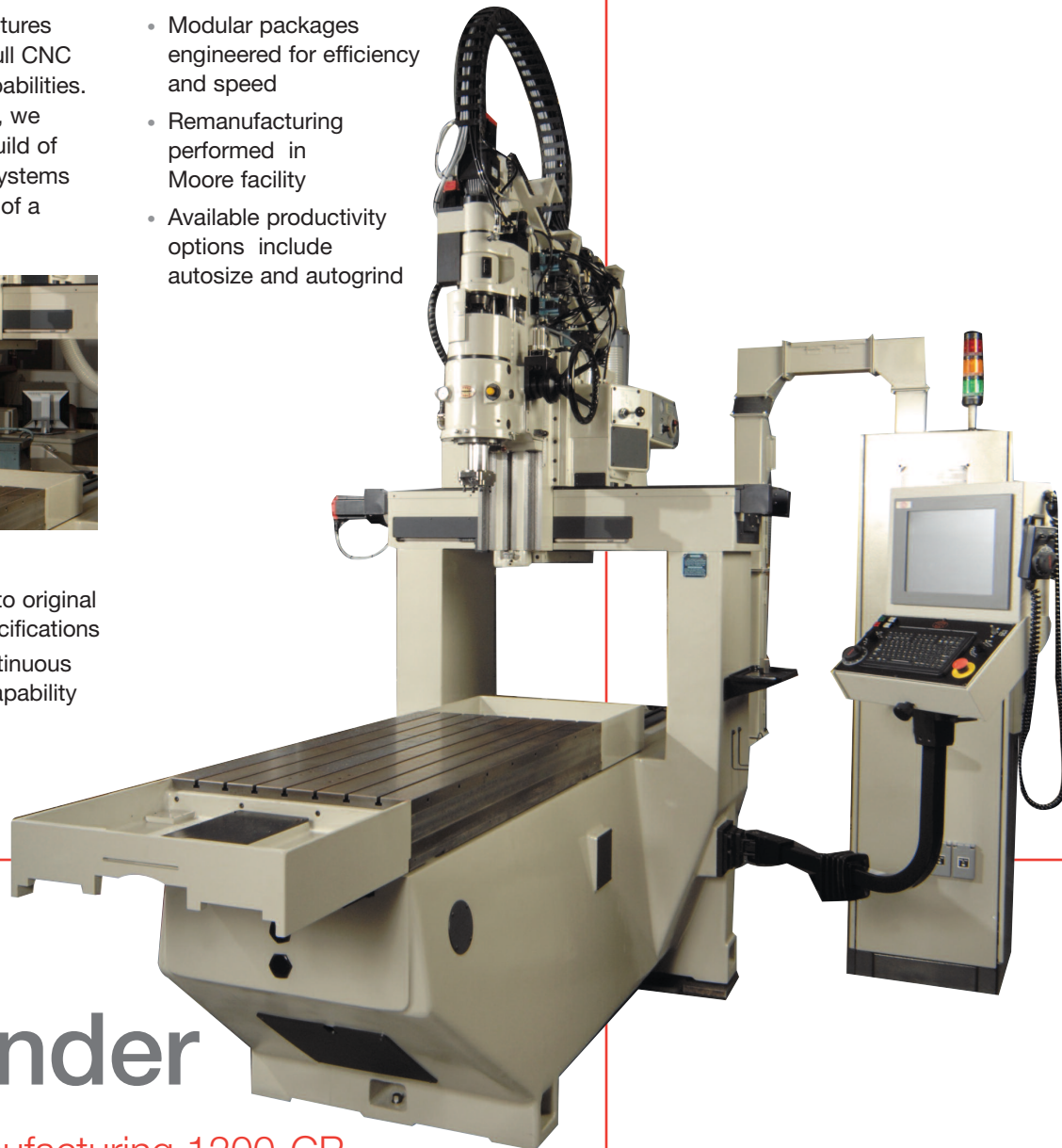


Features

- Systems remanufactured to original machine performance specifications
- Full CNC control with continuous path control contouring capability
- GE Fanuc multi-axis CNC with customized touch-screen 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 1200-CP

specifications

Remanufacturing
1200-CP

Capacity

Table working surface	24.0 in. x 48.0 in. (610 mm x 1220 mm)
Travel X longitude	48.0 in. (1220 mm)
Travel Y cross	24.0 in. (610 mm)
Table top to wheel collet (std. 40K grinding head)	6.0 in. to 24.5 in. (150 mm to 620 mm)
Spindle housing travel	13.0 in. (330 mm)
Quill travel Z vertical	5.1 in. (127 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	100 μin. (2,5 μm)
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Positioning: VDI/DGQ 3441*

Positional uncertainty P: X axis	100 μin. (2,5 μm)
Positional uncertainty P: Y axis	80 μin. (2,0 μm)
Positional deviation Pa: X axis	60 μin. (1,5 μm)
Positional deviation Pa: Y axis	60 μin. (1,5 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	60 μin. (1,5 μm)
Spindle housing travel: X-Y plane	120 μin. (3,0 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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