



THE FREEDOM

MULTI-AXIS CNC SURFACE GRINDER

Greetings!

Parker Majestic dedicates itself to providing solutions to the machine tool and manufacturing industry by the design and manufacture of precision grinding machines and spindles.

We do this by providing functionality and flexibility. Combining Parker Majestic's legendary precision grinding technology with Siemens Controllers has resulted in extremely accurate, yet versatile machines.

Producing high precision products where accuracy and tolerances are critical makes Parker Majestic grinders an intelligent choice for meeting the needs of modern production environments.

Please take advantage of the government [accelerated depreciation tax incentives for 2009](#) and give us a call!

(Please click on photo below for video of the Freedom!)



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General Specifications:

- Table Size - 8 in x 18 in
- X-Axis Travel - 18 in
- Y-Axis Travel - 8 in
- Z-Axis Travel - 20 in
- Machine Tool Dimensions - 72.62 in x 59.01 in
- Machine Tool Weight - 3500 lbs
- Spindle HP - 3 HP
- Spindle RPM - Variable 1,800 - 5,400 RPM
- Maximum Table Strokes Per Minute - 32-15 in Strokes - 132-1 in Strokes
- Power Requirement - 480 V, 460 V/230 V 208 V 60 Hz
- Power Consumption - 7.5 kVA
- Max. Current - 20 A /30 A
- Interpolated Motion Available on all Axis
- Hand Scraped and Coated Ways
- U.S. Made Heavy Cast Iron Construction
- Normac Dresser Option Available
- Liquid Chilled 20,000 RPM Spindle Option
- Compact Floor Print
- Max Weight Workpiece: 500 lbs. (225 Kg)
- Work Table Size: 8 x 18 in.

Machine Accuracy:

- Minimum Input Command - .000010 in / 0.000254mm
- Heidenhain Closed Loop Feedback on all Axis
- Precision Ball Screw Driven Table
- Scale Minimum Measuring Step: .000002 in (0.5um)

CNC Control:

- Siemens SINUMERIK 840 D / DE Control
- Input Format - Ethernet, RS232 3 1/2 in Floppy Disk, Keyboard
- Display Type - 10.4 in TFT Color With Numeric CNC Keypad
- Character Set - Alphanumeric and Symbols
- Keyboard - Controller Integrated
- Position Command - Incremental and Absolute
- Programming Format - Inch / Metric
- Remote Diagnostics - Standard

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