

THE LIBERTY II
CNC ID/OD 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 [accelerated depreciation tax incentives for 2009](#) and give us a call!

Our Liberty II cylindrical O.D./I.D. CNC grinders can automatically grind chamfers, radii, shoulders, straight diameters, tapers, fillets and contours in one setup and in one continuous operation. Our grinder is also capable of "Out of Round" grinding on both O.D. by utilizing a third "C" Axis and a digital drive work head all with excellent results in repeatable productivity and quality.

Please see photographs below (click on images below to view our Liberty II in motion):



Quick Links

[Parker Majestic](#)

[Penn United](#)

Contact Us

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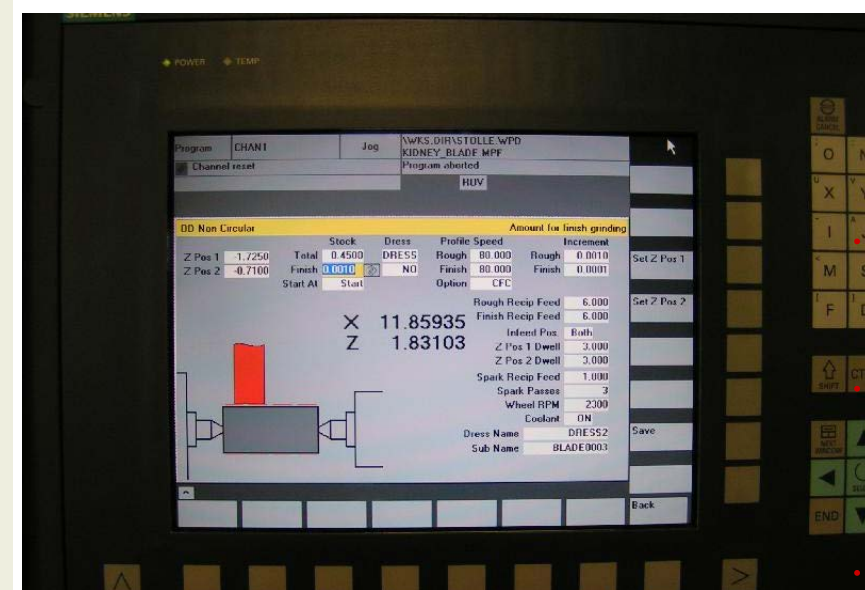
[E-mail](#)



Machine

Specifications:

- Table Size - 5" x 32" (127 x 812 mm)
- Z-axis travel - 18"
- X-axis travel - 10"
- C-axis speed - 0-1000 rpm
- Footprint - 84" x 62"
- Machine height - 65" without mist filter option
- Machine height - 78" with mist filter option
- Part swing - Diameter - 14"
- Work Head TIR - .000050"
- Machine weight - 6200 lbs.



Partial List of Standard Equipment

- High quality, stress relieved cast-iron construction
- Direct drive motorized grinding spindle
- Belt-driven external grinding

- spindle (12" diameter grinding wheel)
- Siemens SINUMERIK 840D/DE CNC with SIMODRIVE 611D Digital Drives and Servos
- (1) Dress cycles (OD and/or ID)
- Cycles of varying complexity to best suit the operator's needs
- Automatic wheel compensation
- (5) OD Grind cycles
- (4) ID Grind cycles