

THE **FREEDOM**

MULTI-AXIS CNC SURFACE GRINDER

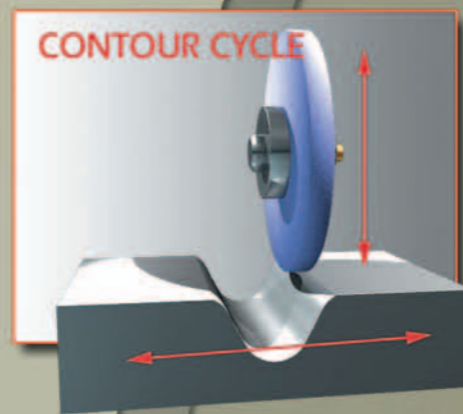
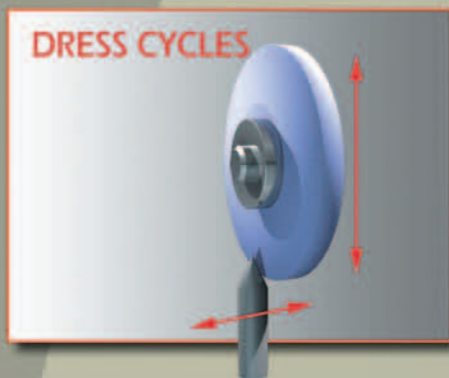
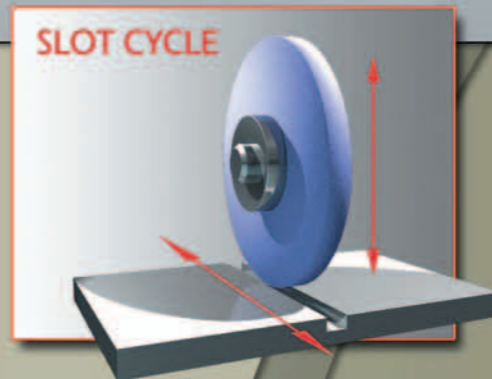
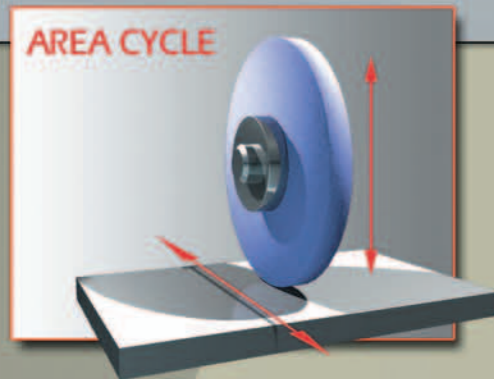


American Built Since 1929

THE FREEDOM

Modern industry demands high precision and ease of use. Parker Majestic is responding with our outstanding line of CNC grinders. Building machines dependable enough to put our name on since 1929, Parker Majestic continues to provide what is needed in today's modern shops.

Versatile and Friendly, the Freedom surface grinder sends precision grinding to a new level of accuracy, speed and handling complex shapes. Accepting all standard G&M code or preprogrammed cycles, the Freedom grinds anything from flat surfaces to intricate forms.



The Freedom surface grinder can be customized with a variety of optional components when applications require special capabilities. This makes the Freedom the optimal choice for any production environment.

A Selection of the Options Available:

- Indexing Fixture
- Work Light
- Rotary Dresser
- SIEMENS 840D Controller Upgrade from Standard 810D
- V Block Fixture
- Handheld Pendant
- 45 Gallon Coolant Tank Upgrade from Standard 17 Gallon Coolant Tank
- Centerless Grinding Fixture

STANDARD FEATURES FOR ALL PARKER MAJESTIC CNC GRINDERS INCLUDE:

Preprogrammed Cycles

Parker Majestic has invested many hours of research and development into the preprogrammed cycles included with our CNC grinders. A complete library of dress cycles are provided to accomplish most forms. Also, several preset cycles that can be used alone or combined for greater variety and complexity.

Heavy-Duty Precision Spindles

Parker Majestic grinding spindles benefit from the company's many years of experience in manufacturing all types of precision spindles. Our Spindles are known for their accuracy and durability. Every spindle is balanced to laboratory precision, and is also provided with variable speed capability.



The Interface Panel (located on rear of HMI) Provides Access to Features Including:

- Remote Diagnostics
- Keyboard input
- Ethernet Connection



Please contact Parker Majestic for complete specifications and customization options at:

PARKER MAJESTIC

P.O. Box 399, Saxonburg, PA 16056 Phone: 866-572-7537 (toll free) Fax: 724-431-2487
E-mail: sales@parkermajestic.com www.parkermajestic.com

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MULTI-AXIS CNC SURFACE GRINDER

MACHINE FEATURES	ENGLISH	METRIC
Feedback Device	Scale / Encoder	
Table Size	8 in x 18 in	203 mm x 457 mm
X-Axis Travel	18 in	457 mm
Y-Axis Travel	8 in	203 mm
Z-Axis Travel	20 in	508 mm
Machine Tool Dimensions	72.62 in x 59.01 in	1845 mm x 1499 mm
Machine Tool Weight	3500 lbs	1588 kg
Spindle HP	3 HP	2.237 kw
Spindle RPM	Variable 1,800 - 5,400 RPM	
Max. Table Strokes per min.	32 - 15 in Strokes	32 - 381 mm Strokes
	132 - 1 in Strokes	132 - 25 mm Strokes
Controller	Siemens SINUMERIK 810D	
Power Requirement	480 V, 460 V / 230 V, 208 V 60 Hz	
Power Consumption	7.5 kVA	
Max. Current	20 A / 30 A	
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 Inegrated	
Position Command	Incremental and Absolute	
Min. Input Command	.000010 in / 0.000254 mm	
Programming Format	inch / metric	
Remote Diagnostics	Standard	



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