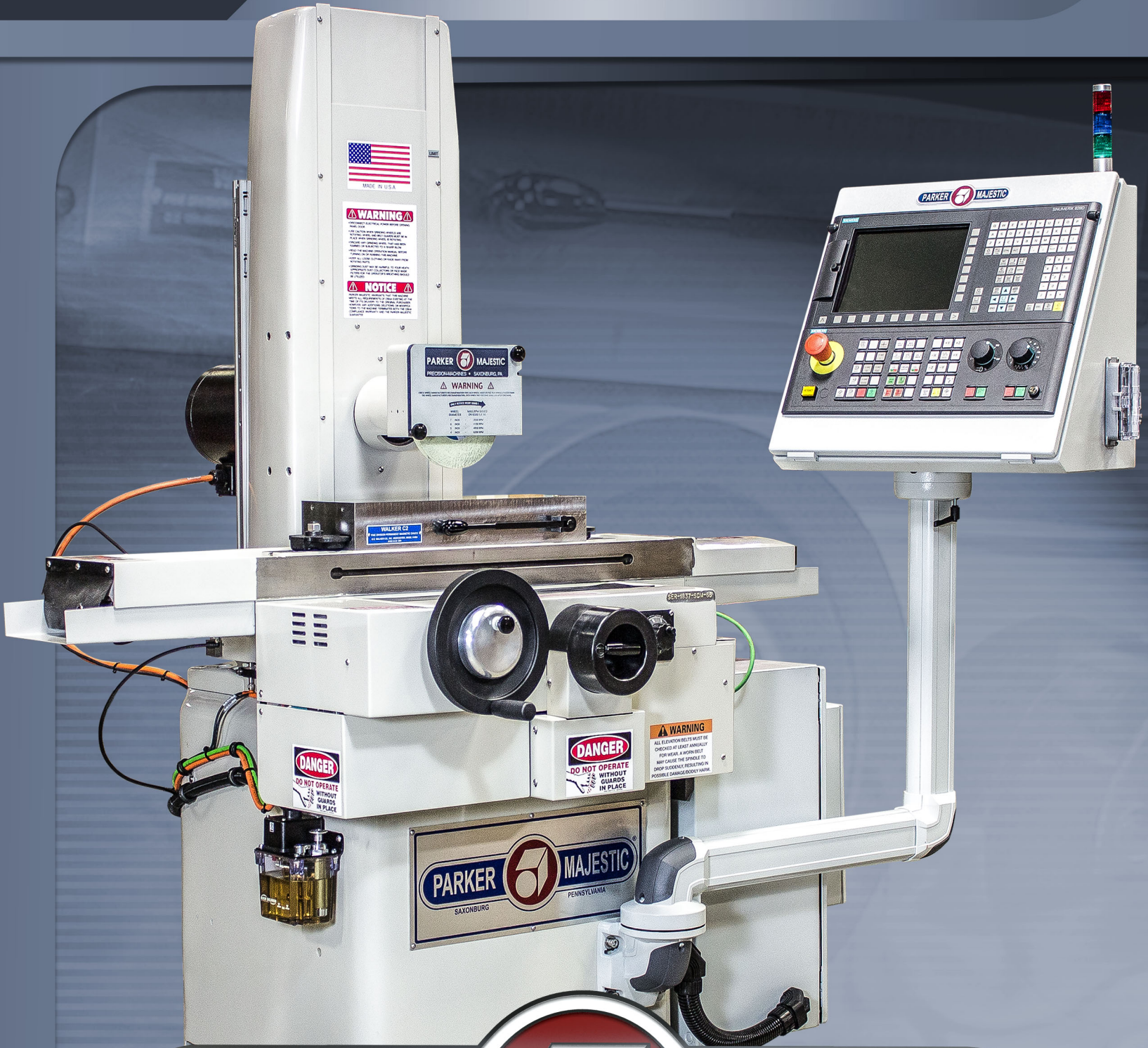


THE 6X18

CNC SURFACE GRINDER



THE 6X18 CNC SURFACE GRINDER

GENERAL SPECIFICATIONS

Overall Dimensions (WxDxH)	72 in x 70 in x 76 in
Machine Weight (Net)	2400 lbs (1088 Kg)
Vertical Height	17 in (431 mm)
Worktable Size (WxL)(Max. Chuck size)	6 in x 18 in (152 mm x 457 mm)
Standard Wheel Size (Dia.)	7 in (177 mm)
Longitudinal Straightness	.0001 in / 12 in (.0025 mm / 300 mm)
Flatness (Table Area)	.0001 in (.0025 mm)
Surface Finish (120 grit wheel)	8 μ-in (0.2 μm)

CNC CONTROL/PROGRAMMING

Siemens SINUMERIK 828D SL	
Input Format	Ethernet, RS232, USB
Position Command	Incremental and Absolute
Programming Format	inch/metric
Minimum Program Increment	.00001 in (.0001 mm)

POWER

Power Requirement	480 V - 50/60 Hz
Power Consumption	6 kVA
Max. Current	30 A
Total Power Rating	10 HP (7.46 kW)

*All options are listed on machine quotes

SPINDLES

Spindle Nose (T.I.R.)	.00005 in (.0013 mm)
*PS-SA00008-00 (Standard)	
Speed	5-6000 RPM
Power Rating	2 Hp (1.47 kW)@3600 RPM
Other spindles available upon request	

TABLE AXIS

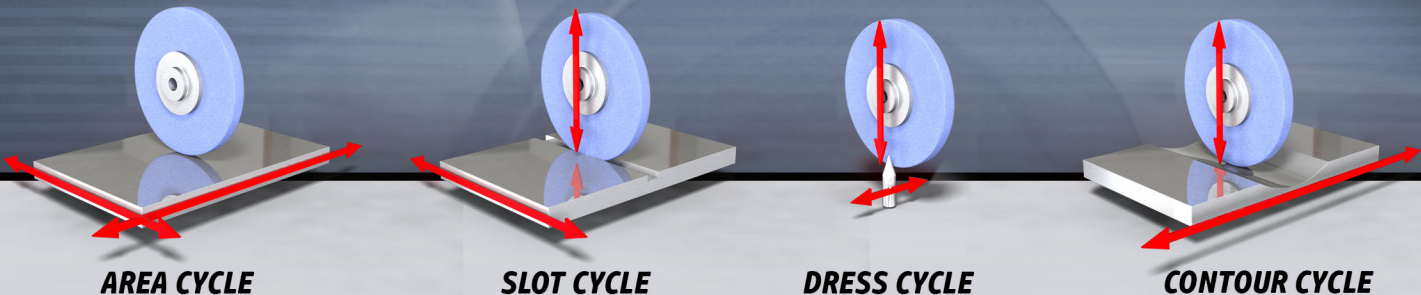
Servo Motor Driven Tape Bands	
Hand Scraped Turcite Coated Vee & Flat Way System	
Motor Encoder Feedback	
Servo Power Rating	1.26 HP (0.94 KW)
Max. Feedrate	1200 ipm (30480 mm I min)

CROSSFEED AXIS

Servo Motor Driven Ballscrew	
Hand Scraped Turcite Coated Double Vee Way System	
Heidenhain Linear Scale Closed Loop Feedback	
Servo Power Rating	0.76 HP (0.57 KW)

ELEVATING AXIS

Servo Motor Driven Ballscrew w/ Brake	
Ball Bearing Linear Motion Guides in Place of Scraped Box Ways	
Heidenhain Linear Scale Closed Loop Feedback	
Servo Power Rating	1.48 HP (1.1 KW)



Born in 1929, Parker Majestic grinders have a proven reputation for durability, longevity, and precision. All of our grinders incorporate high quality spindles, hand scraped ways, and precision linear-motion bearing ways. This is all mounted on precision cast iron bases, setting the industry standard for stability, reliability, and strength. We offer advanced technology Siemens CNC control packages that allow our products to provide exceptional return on investment for years to come.

For your convenience, our CNC grinders are packaged with preprogrammed conversational grind and dress cycles. These can be used alone, or combined to create basic or complex part programs without in depth knowledge of G & M code. To create forms, a contour drawing tool is also bundled as part of the default package. All standard G & M code programs are also accepted making our tools accessible to operators of a broad skill range.

Parker Majestic has decades of knowledge manufacturing and maintaining various styles of precision spindles. This experience enhances our ability to provide a wide selection of grinding spindles that can be fit to your machine and application. Known for accuracy and durability, our spindles are designed to stand the test of time.

To help you achieve the greatest precision and productivity in your grinding operations, we provide exceptional training, machine service, and spare parts inventory to support your Parker Majestic system.

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