



# 48CNC

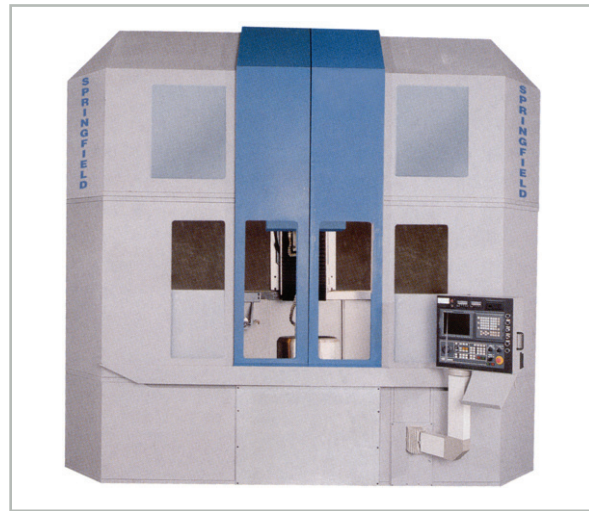
## B&K Springfield Vertical Grinder Rail Type

VERTICAL GRINDER

### STANDARD MACHINE SPECIFICATIONS

CNC Vertical Grinder, Rail Type for internal/ external grinding of cylindrical workpieces, using a GE Fanuc 21iT CNC control with linear and circular interpolation, inch-metric programmable, absolute and incremental programming providing:

- Rapid traverse on both vertical and horizontal axes
- Vector Grind interpolation of x and z axes for taper grinding
- Vertical Oscillation with horizontal feed and tarry and dwell
- Continuous feed in both horizontal and vertical directions
- Gap Elimination
- Standard Cycles



Machine with Full Enclosure



Machine with Standard Guarding

Technical Data - Capacities & Limits	
Work spindle maximum swing	60 in
Work spindle speed	5-100 rpm
A2 spindle nose - ASA standard	15 in
Accuracy, run-out and camming at spindle nose	0.0003 in
Grinding head nominal hole depth	24.5 in
Grinding head stroke	36 in
Clearance over work table	12-60 in
Slide traverse rates for X and Z axis	300 ipm
Slide feed rates for X and Z axis	.0001 in - 50 in
Coolant capacity	50 gal
Weight (Approximate Net)	44200 lbs

Technical data is subject to change without notice.

Actual machine W-H-L and Weight depend on ordered configuration. Technical data is subject to change without notice and may vary according to the workpiece geometry and options supplied. Workholding equipment supplied.



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Standard Equipment	
Description	
Heavy stress-relieved steel weldment base	
Self-contained work spindle	
Cross slide and grinding head	
Vertical columns are heavy, one-piece castings of high grade	
Cross-rail elevating mechanism	
Automatic CNC controlled lubrication	
Coolant system, including pump, motor, piping, valves, settling tank	
Single point dresser	
+/-45° vertical slide swivel	
Heidenhain linear scale feed on both axes	
GE Fanuc 21iT CNC	
Gap eliminator	
Standard grinding cycles	
Frequency variator of table and spindle variable speeds	
Splash guard with manual doors and safety interlocks	
Leveling screws	
Centralized lubrication system	
Paint: One standard Polane color	
Documentation	
Manufactured in USA	
<b>Standard Equipment Total (\$):</b>	

Optional Equipment	
Description	Price (\$)
48" diameter work table	
4" face plate jaws	
Dial indicator angle setting attachment	
Rotary diamond roll dresser	
Disposable media type filtration system	
Hydraulic acutating equipment	
Heavy-duty cartridge type grinding spindle (7700 RPM, Model 3602)	
Heavy-duty cartridge type grinding spindle (4300 RPM, Model 3613)	
Extra grinding spindle pulleys	
Extra grinding spindle belts	
Wheel guards for O.D. grinding	
Full machine enclosure	
Additional machine manuals	
Manual or electro magnetic chuck	
Condensed training (no charge)	
Operator/setup course (24 hours)	
Mechanical, lubrication, maintenance, troubleshooting course	
Electrical, electronic maintenance, troubleshooting course	
Operator training, machine setup assistance, in-plant training	
<b>Optional Equipment Total (\$):</b>	

Total Cost:	
Standard Equipment Total (\$):	
Optional Equipment Total (\$):	
<b>TOTAL (\$):</b>	

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