



# 8AD-12

## B&K Blanchard Rotary Surface Grinder

ROTARY SURFACE GRINDER

### STANDARD MACHINE SPECIFICATIONS

The Bourn & Koch Blanchard 8AD-12 Rotary Surface Grinder is a 14" swing diameter vertical spindle, rotary surface grinder with a GE Fanuc Powermate control for the abrasive machining of parallelism, flatness and surface finish to single or multiple piece production runs.

Technical Data - Capacities & Limits	
Grinding wheel diameter	8"
Magnetic chuck diameter	12"
Swing diameter inside warterguards	14"
Vertical range	5.5"
Maximum load on chuck	100 lbs
Grinding wheel horsepower (HP)	3
Type of feed system	Servo
Down feed rates IPM	.0001 - .050
Chuck rotation speeds RPM	20 - 120
Coolant capacity	50 gal
Height* (Approximate)	38"
Length (Approximate)	48"
Width (Approximate)	23"
Weight (Approximate Net)	1300 lbs

*\*Not including fabricated workbench.  
Technical details 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.*



### WHAT IS THE BLANCHARD LEGACY NUMBERING SYSTEM?

1. First digit(s) denotes the dia. of the grinding wheel in inches.
2. Second set of digits denotes the dia. of the magnetic chuck in inches.
3. "A" denotes all-electric configuration (no mechanical feed box).
4. "C" denotes automatic cycle
5. "D" denotes dry base construction. Outside coolant system required.
6. "E" denotes electronic "Auto-Zero II" automatic cycle.
7. "H" denotes high horsepower geared head design.
8. "K" denotes sludge conveyor option in wet base of machine.
9. No letter between numbers denotes standard wet base design.



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Standard Equipment	
Description	
Base machine with GE Fanuc Powermate Control	
12" diameter permanent magnet chuck	
Grinding wheel	
Down feed system	
Water guards	
Coolant system, dry base, outside coolant supply required	
Lubrication for table and chuck bearing	
Manual pulse generator, inch/metric switchable	
Three point column support	
NEMA 12 control enclosure, machine mounted	
Paint: Sherwin Williams Swiss Dotted Off-White	
Documentation	
Manufactured in USA	
<b>Standard Equipment Total (\$):</b>	

Optional Equipment	
Description	Price (\$)
Blanchard Type II plated mounted cylinder wheels	
Power table traverse in lieu of standard hard traverse unit	
Automatic hydraulic fixture clamping unit	
Variable main spindle speed - 900-3600 rpm	
Diamond wheel adapter plate	
Table mounted wheel dresser	
Transformer for 3 phase, 60 Hz, 460/575/208/380 volts	
Transformer for 3 phase, 50 Hz, 220/380/415/500 volts	
18" swing water guards and sliding water guard door	
12" dia. Electromagnetic chuck and control	
Precision ballscrew for head in place of std. feed screw	
<b>Optional Equipment Total (\$):</b>	

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

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