



42HD-84

B&K Blanchard Rotary Surface Grinder

ROTARY SURFACE GRINDER

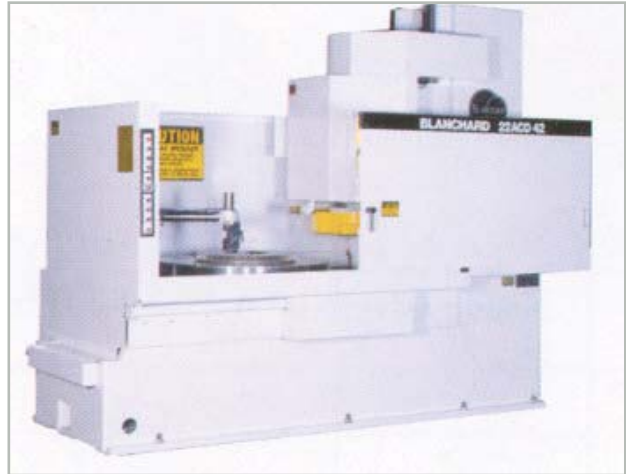
STANDARD MACHINE SPECIFICATIONS

The Bourn & Koch Blanchard 42HD-84 Rotary Surface Grinder is an 84" swing diameter vertical spindle, rotary surface grinder with 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	42"
Magnetic chuck diameter	84"
Outside swing inside waterguards	96"
Swing diameter inside waterguards	85"
Verticle range	33"
Maximum load on chuck	22000 lbs
Grinding wheel horsepower (HP)	150
Type of feed system	Servo
Down feed rates IPM	.001 - .096
Chuck rotation speeds RPM	3.0 - 11.9
Coolant capacity	2000 gal
Height (Approximate)	168"
Length (Approximate)	249"
Width (Approximate)	113"
Weight (Approximate Net)	80500 lbs

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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B&K Blanchard Rotary Surface Grinder

Standard Equipment	
Description	
Extra heavy, double wall close grain casting with integral sloping shelf	
84" diameter magnet chuck	
Traverse rack mounted on the table	
Wheel head made of heavily ribbed casting	
Three point column support	
Vertical power down feed system	
Steel sheet water guards	
Drive motor with absolute position encoder feedback system	
External coolant storage	
Oil pump circulates in impulse feed box	
Paint: Swiss White, Steel Blue, Machine Tool Gray or Vista Green	
1 operator's handbook and necessary adjusting wrenches	
Manufactured in USA	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
12 sets CDTXL segments	
Extended vertical range 45"/60"	
200 HP main spindle motor	
250 HP main spindle motor	
300 HP main spindle motor	
2 coolant pumps	
2 solenoid controlled coolant valves	
Pit-mounted conveyor drag-out settling tank	
Self-dumping swarf hopper	
50-cycle electrical supply	
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	
Optional Equipment Total (\$):	

Total Cost:	
Standard Equipment Total (\$):	
Optional Equipment Total (\$):	
TOTAL (\$):	



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