

Bourn & Koch
Blanchard Rotary
Grinding Machines

The Blanchard Grinder has been a major abrasive machining process for many decades with over 16,000 machines put in service. Blanchard is recognized worldwide as the vertical spindle, rotary table, surface grinder that set the standard for the industry. Acquired by Bourn & Koch in September 2004 as part of the Devleig Bullard acquisition, Blanchard Grinders are still being built new and delivered. In addition to building new Blanchards, Bourn & Koch continues to rebuild, retrofit, or remanufacture older Blanchards.

Quality OEM replacement parts and expert in-field service are available directly from Bourn & Koch.



8AD-12

Grinding wheel diameter	8"
Magnetic chuck diameter	12"
Swing inside waterguards	14"
Vertical range	5-1/2"
Maximum load on chuck	100#
Grinding wheel horsepower	3
Type of feed system	servo
Down feed rates IPM	.0001 to .050
Chuck rotation speeds RPM	20 to 120
Approximate base machine weight	1,300#
Approximate coolant requirements	50 gal



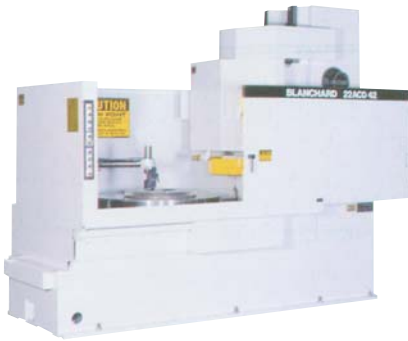
11A-20

Grinding wheel diameter	11"
Optional grinding wheel diameter	10"
Magnetic chuck diameter	20"
Optional magnetic chuck diameter	16"
Swing inside waterguards	21"
Vertical range	12"
Optional vertical range	18"
Maximum load on chuck	500#
Grinding wheel horsepower	15
Type of feed system	servo
Down feed rates IPM	.0001 to .100
Chuck rotation speeds RPM	15 to 75
Approximate base machine weight	8,000#
Approximate coolant requirements	75 gal



20A-36

Grinding wheel diameter	20"
Magnetic chuck diameter	36"
Swing inside waterguards	48"
Vertical range	24"
Optional vertical range	36"
Maximum load on chuck	3,000#
Grinding wheel horsepower	50
Type of feed system	servo
Down feed rates IPM	.0001 to .100
Chuck rotation speeds RPM	6 to 24
Approximate base machine weight	18,000#
Approximate coolant requirements	250 gal



22ACD-42

Grinding wheel diameter	22"
Magnetic chuck diameter	42"
Swing inside waterguards	48"
Vertical range	24"
Optional vertical range	36"
Maximum load on chuck	3,000#
Grinding wheel horsepower	50
Type of feed system	servo
Down feed rates IPM	.0001 to .100
Chuck rotation speeds RPM	6 to 24
Approximate base machine weight	18,000#
Approximate coolant requirements	250 gal



26HAD-48

Grinding wheel diameter	26"
Magnetic chuck diameter	48"
Swing inside waterguards	56"
Vertical range	24"
Optional vertical range	36"
Maximum load on chuck	3,000#
Grinding wheel horsepower	75
Optional grinding wheel horsepower	100
Type of feed system	servo
Down feed rates IPM	.0001 to .100
Chuck rotation speeds RPM	6 to 24
Approximate base machine weight	18,000#
Approximate coolant requirements	500 gal



32HD-60

Grinding wheel diameter	32"
Magnetic chuck diameter	60"
Swing inside waterguards	72"
Vertical range	24"
Optional vertical range	36"/48"
Maximum load on chuck	10,000#
Grinding wheel horsepower	100
Optional grinding wheel horsepower	150
Type of feed system	pick-feed
Down feed rates IPM	.004 to .080
Chuck rotation speeds RPM	5.6 to 20.1
Approximate base machine weight	36,000#
Approximate coolant requirements	1,000 gal



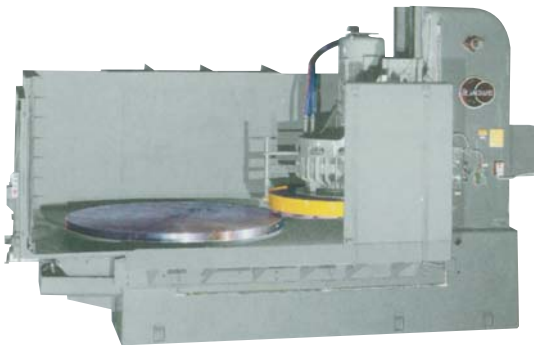
36HD-66

Grinding wheel diameter	36"
Magnetic chuck diameter	66"
Swing inside waterguards	84"
Vertical range	24"
Optional vertical range	36"/48"
Maximum load on chuck	10,000#
Grinding wheel horsepower	150
Optional grinding wheel horsepower	200
Type of feed system	pick-feed
Down feed rates IPM	.004 to .080
Chuck rotation speeds RPM	5.6 to 20.1
Approximate base machine weight	45,000#
Approximate coolant requirements	1,000 gal



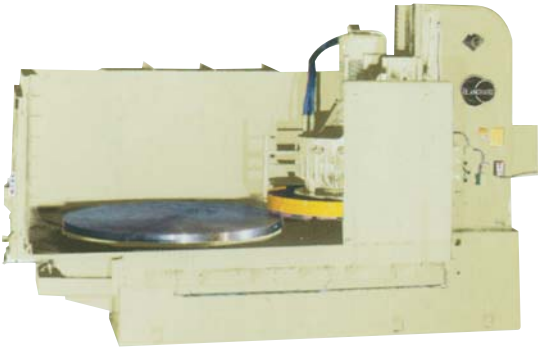
42HD-84

Grinding wheel diameter	42"
Magnetic chuck diameter	84"
Swing inside waterguards	85"
Optional swing inside waterguards	96"
Vertical range	33"
Optional vertical range	45"/60"
Maximum load on chuck	22,000#
Grinding wheel horsepower	150
Optional grinding wheel horsepower	200/250/300
Type of feed system	pick-feed
Down feed rates IPM	.008 to .096
Chuck rotation speeds RPM	3 to 11.9
Approximate base machine weight	80,000#
Approximate coolant requirements	2,000 gal



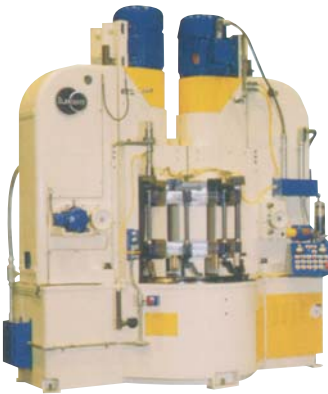
54HD-100

Grinding wheel diameter	54"
Magnetic chuck diameter	100"
Swing inside waterguards	128"
Vertical range	33"
Optional vertical range	45"/60"
Maximum load on chuck	30,000#
Grinding wheel horsepower	150
Optional grinding wheel horsepower	200/250/300
Type of feed system	pick-feed
Down feed rates IPM	.008 to .096
Chuck rotation speeds RPM	2.6 to 10.2
Approximate base machine weight	92,000#
Approximate coolant requirements	2,000 gal



72HD-120

Grinding wheel diameter	72"
Magnetic chuck diameter	120"
Swing inside waterguards	144"
Vertical range	33"
Optional vertical range	45"
Optional vertical range	60"
Maximum load on chuck	30,000#
Grinding wheel horsepower	200
Optional grinding wheel horsepower	250/300
Type of feed system	pick-feed
Down feed rates IPM	.008 to .096
Chuck rotation speeds RPM	2.6 to 10.2
Approximate base machine weight	103,000#
Approximate coolant requirements	3,000 gal



18A2

Grinding wheel diameter	18"
Magnetic chuck diameter	40"
Swing inside waterguards	40"
Vertical range	6"
Grinding wheel horsepower	30
Optional grinding wheel horsepower	40/50
Type of feed system	power feed
Down feed rates IPM	.0012 to .010
Chuck rotation speeds RPM	.42 to .88
Approximate base machine weight	21,000#
Approximate coolant requirements	750 gal

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	8AD-12	11A-20	20A-36	22ACD-42	22HAD-42	26HD-48	26HAD-48	32HD-60	36HD-66	42HD-84	54HD-100	60HD-120
Grinding wheel diameter	8"	11"	20"	22"	22"	26"	26"	32"	36"	42"	54"	60"
Optional grinding wheel diameter		10"										72"
Optional grinding wheel diameter												76"
Magnetic chuck diameter	12"	20"	36"	42"	42"	48"	48"	60"	66"	84"	100"	120"
Optional magnetic chuck diameter		16"										
Swing inside waterguards	14"	21"	48"	48"	48"	56"	56"	72"	84"	85"	128"	144"
Optional swing inside waterguards										96"		164"
Vertical range	5-1/2"	12"	24"	24"	24"	23"	24"	24"	24"	33"	33"	33"
Optional vertical range		18"	36"	36"	36"	35"	36"	36"	36"	45"	45"	45"
Optional vertical range								48"	48"	60"	60"	60"
Maximum load on chuck	100#	500#	3,000#	3,000#	3,000#	3,000#	3,000#	10,000#	10,000#	22,000#	30,000#	30,000#
Grinding wheel horsepower	3	15	50	50	75	75	75	100	150	150	150	200
Optional grinding wheel horsepower					100	100	100	150	200	200	200	250
Optional grinding wheel horsepower										250	250	300
Optional grinding wheel horsepower										300	300	
Type of down feed system	servo	servo	servo	servo	servo	pick-feed	servo	pick-feed	pick-feed	pick-feed	pick-feed	pick-feed
Down feed rates IPM	.0001 - .050	.0001 - .100	.0001 - .100	.0001 - .100	.0001 - .100	.004 - .080	.0001 - .100	.004 - .080	.004 - .080	.008 - .096	.008 - .096	.008 - .096
Fine feed available?	yes	yes	yes	yes	yes	no	yes	no	no	no	no	no
Auto spark-out and retract?	yes	yes	yes	yes	yes	no	yes	no	no	no	no	no
Digital readout for feed system	standard	standard	standard	standard	standard	optional	standard	optional	optional	optional	optional	optional
Chuck rotation speeds RPM	20 to 120	15 to 75	6 to 24	6 to 24	6 to 24	6 to 33	6 to 24	5.6 to 20.1	5.6 to 20.1	3 to 11.9	2.6 to 10.2	2.6 to 10.2
Type of rotation unit	variable	variable	variable	variable	variable	pre-set	variable	pre-set	pre-set	pre-set	pre-set	pre-set
Approximate base machine weight	1,300#	8,000#	18,000#	18,000#	18,000#	17,000#	18,000#	36,000#	45,000#	80,000#	92,000#	103,000#
Approximate coolant requirements	50 gal	75 gal	250 gal	250 gal	500 gal	500 gal	500 gal	1,000 gal	1,000 gal	2,000 gal	2,000 gal	3,000 gal

- **Stock Machines Available**
- **Repair Parts and Service**
- **Trade-in of Used Equipment**
- **Remanufactured Equipment Available**
- **Retrofit Equipment Available**
- **Recontrolled Equipment Available**



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