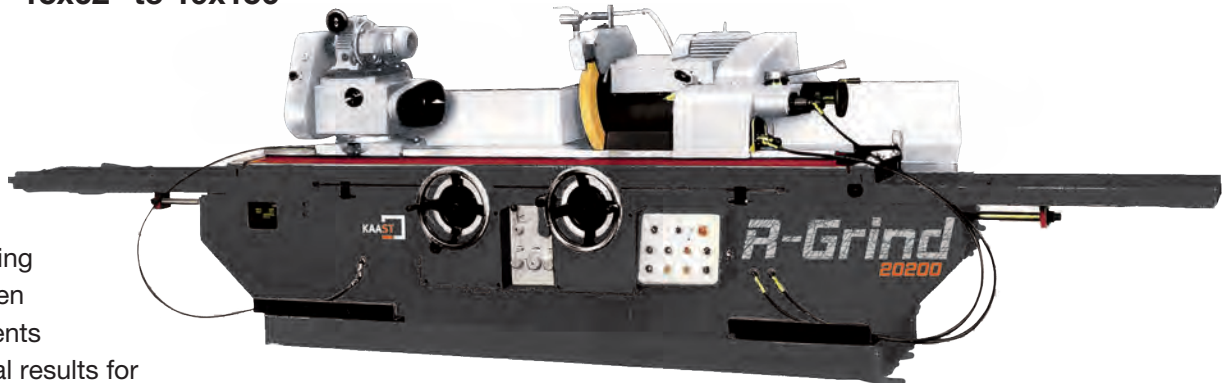




Cylindrical grinder

R-Grind

15x62" to 19x156"



- The massive machine bed design with stable ribbing assures that even heavy components will have optimal results for surface roughness and dimensional accuracy
- The hydrostatic spindle bearing and tailstock allow for extremely good isolation of machine vibrations and therefore provide excellent surface finish (R-Grind 20x)
- Low maintenance due to automatic slide and headstock lubrication
- 8-way graded belt drive in the headstock for broad range of speed control
- Infinitely variable table feed by hydraulic drive with “soft-stop” at the end of traverse
- Rapid traverse for the spindle

Optional configuration

- Internal grinding unit
- Coolant system with paper filter and magnetic separator
- 3-jaw chuck (self-centering) with adapter plate
- 4-jaw chuck (jaws set separately) with adapter plate
- Balancing stand
- 2-point bezel (fixed)
- Radii dressing device
- Angle dressing device
- Grinding wheel (extra)
- Grinding wheel flange (extra)
- 3-axis digital readout

Standard configuration

- Grinding wheel (standard)
- Grinding wheel flange (standard)
- Flange removal device
- Front/side dressing device
- Balancing arbor
- Carbide centering tip, MT 4 (R-Grind 15x), MK 5 (R-Grind 20x)
- Pivoting spindle
- Tailstock with lever operation
- Backsplash guard
- Diamond dresser
- Coolant system
- Leveling pads and bolts
- Tool kit
- Operation manual

Specifications		R-Grind						
		20160 15" x 62"	20180 15" x 70"	20200 15" x 78"	25200 19" x 78"	25250 19" x 97"	25300 19" x 117"	25400 19" x 156"
Grinding capacity	mm	Ø400 (16")			Ø500 (19.5")			
Distance between centers	mm	1600 (62")	1800 (70")	2000 (78")	2000 (78")	2500 (97")	3000 (117")	4000 (156")
Max. workpiece weight	kg	850 (1870 lbs)			1000–1500 (2,200–3,300 lbs)			
Grinding wheel dimensions	mm	508x38x203 (20x1.5x8")			760x63x304.8 (30x2.5x8")			
Grinding spindle	Speed	1100						
	Rapid approach	60 (2.3")						
	Travel (total)	220 (8.5")			290 (11.3")			
	Transverse feed	1 (0.04"/rev)						
	mm/rev	0.0025 (0.0001")						
Headstock	Speed	10–100						
	Taper	MT 5						
	Taper	MT 5						
Tailstock	Quill travel	45 (1.75")			55 (2.17")			
	Longitudinal feed rate	30–2000 (1.2–78"/min)			30–3000 (1.2–117"/min)			
Table swivel	deg	7°	6° 30'		6°			
Longitudinal feed	mm/rev	4.5 (0.17"/rev)						
Main spindle motor	kW	7.5 (10 Hp)			11 (15 Hp)			
Headstock motor	kW	1.75 (2.3 Hp)			2.25 (3 Hp)			
Hydraulic pump motor	kW	1.5 (2 Hp)			2.25 (3 Hp)			
Lubrication system	kW	0.2 (0.3 Hp)						
Weight	kg	3800 (8,360 lbs)	4200 (9,240 lbs)	5000 (11,000 lbs)	8500 (18,700 lbs)	9300 (20,460 lbs)	11000 (24,200 lbs)	13500 (29,700 lbs)
Item No.		3100011	3100012	3100013	3100014	3100015	3100016	3100017

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.



Cylindrical grinder

R-Grind

11x25" to 15x58"



- The massive machine bed design with stable ribbing assures that even heavy components will have optimal results for surface roughness and dimensional accuracy
- The hydrostatic spindle bearing and tailstock allow for extremely good isolation of machine vibrations and therefore provide excellent surface finish (R-Grind 20x)
- Low maintenance due to automatic slide and headstock lubrication
- 8-way graded belt drive in the headstock for broad range of speed control
- Infinitely variable table feed by hydraulic drive with "soft-stop" at the end of traverse
- Rapid traverse for the spindle

Standard configuration

- Grinding wheel (standard) MK 5 (R-Grind 20x)
- Grinding wheel flange (standard)
- Flange removal device
- Front/side dressing device
- Balancing arbor
- Carbide center, MT 4 (R-Grind 15x),
- Pivoting spindle
- Tailstock with lever operation
- Backsplash guard
- Diamond dresser
- Coolant system
- Leveling pads and bolts
- Tool kit
- Operation manual

Optional configuration

- Internal grinding unit
- Coolant system with paper filter and magnetic separator
- 3-jaw chuck (self-centering) with adapter plate
- 4-jaw chuck (jaws set separately) with adapter plate
- Balancing stand
- 2-point bezel (fixed)
- Radii dressing device
- Angle dressing device
- Grinding wheel (extra)
- Grinding wheel flange (extra)
- 3-axis digital readout

Specifications			R-Grind					
			1565 1765	1580 1780	15100 20100	15120 20120	15150 20150	
			11/13" x 23"	11/13" x 31"	11/15" x 39"	11/15" x 47"	11/15" x 58"	
Grinding capacity	R-Grind 15	mm	Ø300 (11.7")					
	R-Grind 17	mm	Ø350 (13.6")					
	R-Grind 20	mm	Ø400 (15.7")					
Distance between centers	mm	600 (23")	800 (31")	1000 (39")	1200 (47")	1500 (58")		
Max. workpiece weight	kg	120 (260 lbs)			250 (550 lbs)			
Grinding wheel dimensions	mm	355x38x127 (14x1.5x5")			406x38x127 (16x1.5x5")			
Speed	rpm	1600			1375			
Swivel range	deg	0-30°						
Rapid approach	mm	40 (1.5")						
Travel (total)	mm	160 (6.25")			295 (11.5")			
Transverse feed	mm	1 (0.04"/rev)						
Transverse feed increment	mm	0.0025 (0.00001")						
Swivel range	deg	0-90°						
Speed	rpm	R-Grind 15: 15-100, R-Grind 17: 30-200			R-Grind 15: 15-100, R-Grind 20: 30-200			
Taper		MT 4						
Tailstock	Taper		MT 4					
	Quill travel	mm	40 (1.5")					
Table	Longitudinal feed rate	mm/min	40-4000 (1.5-156"/min)					
	Table swivel	deg	R-Grind 15: 0-10°, R-Grind 17: 0-9°			R-Grind 15: 0-7° 30', R-Grind 20: 0-6°		
	Longitudinal feed	mm	14 (0.5"/rev)					
Main spindle motor	kW	3.75 (5 Hp)			5.5 (7.5 Hp)			
Headstock motor	kW	0.37 (0.5 Hp)			R-Grind 15: 0.37, R-Grind 20: 0.75			
Weight	kg	2100 (4,620 lbs)	2300 (5,060 lbs)	2800 (6,160 lbs)	3100 (6,820 lbs)	3400 (7,480 lbs)		
Item No.	R-Grind 15		3100002	3100003	3100004	3100005	3100006	
	R-Grind 17		3100025	3100026				
	R-Grind 20				3100008	3100009	3100010	

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