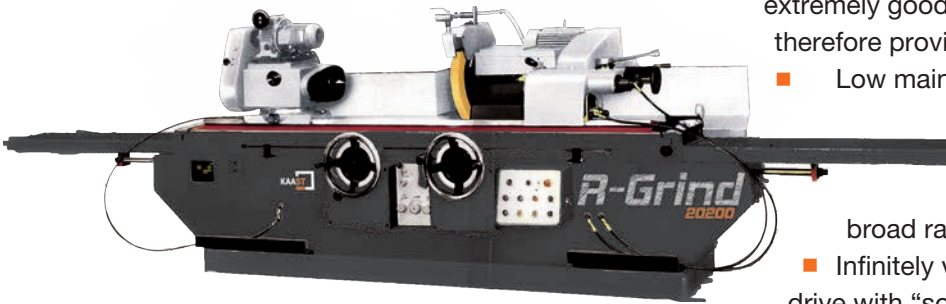




Cylindrical grinder

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), MT 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		20160	20180	20200	25200	25250	25300	25400
		15" x 62"	15" x 70"	15" x 78"	19" x 78"	19" x 97"	19" x 117"	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 (29.9x2.5x7.9")			
GRINDING SPINDLE								
Speed	rpm	1100			1100			
Rapid approach	mm	60 (2.3")			60 (2.3")			
Travel (total)	mm	220 (8.5")			290 (11.3")			
Transverse feed	mm/rev	1 (0.04"/rev)			1 (0.04"/rev)			
Transverse feed increment	mm	0.0025 (0.00001")			0.0025 (0.00001")			
HEADSTOCK								
Speed	rpm	10–100			10–100			
Taper		MT 5			MT 5			
TAILSTOCK								
Taper		MT 5			MT 5			
Quill travel	mm	45 (1.75")			55 (2.17")			
TABLE								
Longitudinal feed rate	mm/min	30–2000 (1.2–78"/min)			30–3000 (1.2–117"/min)			
Table swivel	deg	7°	6° 30'	6°	6°			
Longitudinal feed	mm/rev	4.5 (0.17"/rev)			4.5 (0.17"/rev)			
MOTOR								
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)			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"



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

- 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

Optional configuration

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

speed control

- Infinitely variable table feed by hydraulic drive with "soft-stop" at the end of traverse
- Rapid traverse for the spindle

Specifications			1565	1580	15100	15120	15150
			1765	1780	20100	20120	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")			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 (13.8x1.5x4.9")			406x38x127 (15.8x1.5x5")		
GRINDING SPINDLE							
Speed	rpm	1600			1375		
Swivel range	deg	0-30°			0-30°		
Rapid approach	mm	40 (1.5")			40 (1.5")		
Travel (total)	mm	160 (6.25")			295 (11.5")		
Transverse feed	mm	1 (0.04"/rev)			1 (0.04"/rev)		
Transverse feed increment	mm	0.0025 (0.00001")			0.0025 (0.00001")		
HEADSTOCK							
Swivel range	deg	0-90°			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			MT 4		
TAILSTOCK							
Taper		MT 4			MT 4		
Quill travel	mm	40 (1.5")			40 (1.5")		
TABLE							
Longitudinal feed rate	mm/min	40-4000 (1.5-156"/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)			14 (0.5"/rev)		
MOTOR							
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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