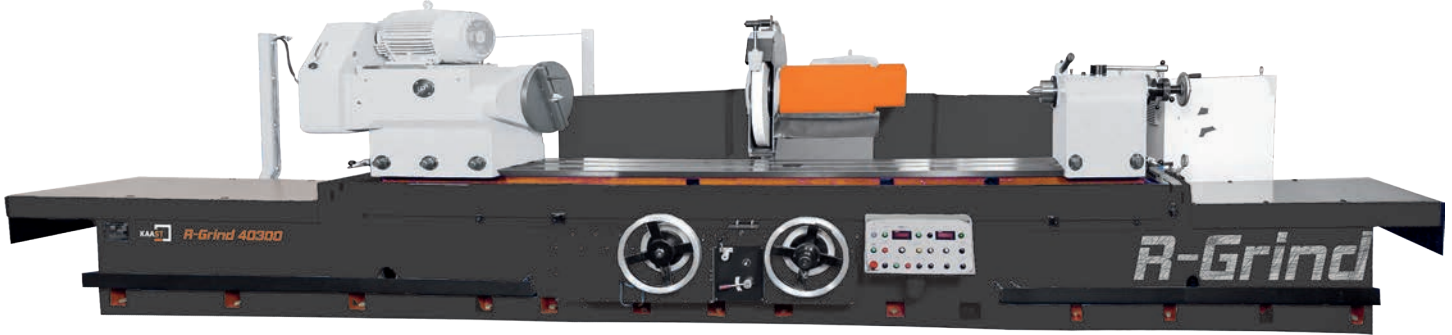




Cylindrical Grinding

R-Grind HD

31" x 117~156"



- High-performance grinding for accurate production of large workpieces such as car axles, hydraulic cylinders, etc.
- High-quality Meehanite cast iron with heavy ribbing ensures high overall stiffness, even with heavy workpieces
- A precision grinding spindle bearing ensures the highest accuracy
- The belt-driven spindle stock with adjustable speed

- ensures continuous optimal conditions for grinding
- Automatic lubrication of the headstock
- Hydraulically driven table feed with soft-stop at the end of the movement
- All feed rates are infinitely variable ensuring a high quality surface finish
- Rapid approach/withdrawal of the grinding wheel
- Hydrostatic bearing of the spindle and tailstock

Standard configuration

- Grinding wheel (standard)
- Grinding wheel flange (standard)
- Flange removal device
- Front/side dressing device
- Balancing arbor
- Carbide centering tip MK 6
- Pivoting headstock
- 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), includes adapter plate
- 4-jaw chuck (jaws set separately), includes adapter plate
- Balancing stand
- Shaft to outer drive (various)
- 2-point bezel (fixed)
- Radii dressing device
- Angle dressing device
- Grinding wheel (extra)
- Grinding wheel flange (extra)
- 3-axis digital readout

| Specifications | | R-Grind HD 40300 | | R-Grind HD 40350 | | R-Grind HD 40400 | |
|---------------------------|---------------------------|--------------------|--|----------------------------|--|--------------------|--|
| | | 31" x 117" | | 31" x 136" | | 31" x 156" | |
| Grinding capacity | mm | | | Ø800 (31") | | | |
| Distance between centers | mm | 3000 (117") | | 3500 (136") | | 4000 (156") | |
| Max. workpiece weight | kg | | | 2000 (4,400 lbs) | | | |
| Grinding wheel dimensions | mm | | | 812x76x304 (31.5x3x11.85") | | | |
| GRINDING SPINDLE | Speed | rpm | | 1100 | | | |
| | Rapid approach | mm | | 60 (2.3") | | | |
| | Travel (total) | mm | | 420 (16.4") | | | |
| | Transverse feed | mm | | 1 (0.04"/rev) | | | |
| | Transverse feed increment | mm | | 0.005 (0.0002") | | | |
| HEADSTOCK | Speed | rpm | | 10-100 | | | |
| | Taper | | | MT 6 | | | |
| TAILSTOCK | Taper | | | MT 6 | | | |
| | Quill travel | mm | | 76 (3") | | | |
| TABLE | Longitudinal feed rate | mm/min | | 50-3000 (2-117"/min) | | | |
| | Table slant | deg | | 0-5° | | | |
| | Longitudinal feed | mm | | 4.5 (0.17"/rev) | | | |
| MOTOR | Main spindle motor | kW | | 15 (20 Hp) | | | |
| | Headstock motor | kW | | 7.5 (10 Hp) | | | |
| | Hydraulic pump motor | kW | | 0.375 (0.5 Hp) | | | |
| | Lubrication system | kW | | 2.25 (3 Hp) | | | |
| Weight | kg | 18500 (40,700 lbs) | | 22000 (48,400 lbs) | | 25000 (55,000 lbs) | |
| Item No. | | 3100018 | | 3100019 | | 3100020 | |

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