

GRU PLUNGE CNC CYLINDRICAL GRINDER



420
mm

620
mm

Max. Distance
Between Centers

Ø200
mm

Max. Swing Over Table

Ø190
mm

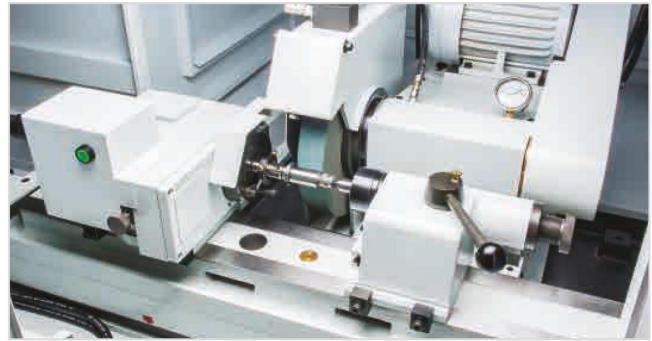
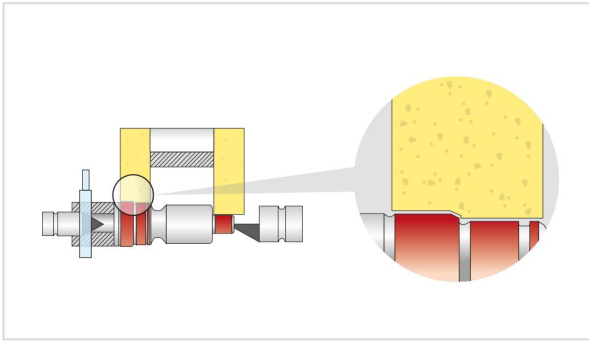
Max. Grinding Diameter

Roundness \triangleright **0.8** μm Positioning Accuracy \triangleright **1** μm

- The grinding wheel spindle designs by high rigidity, low temperature raise and non-contact hydro-static bearing which makes accuracy less than 0.001 mm.
- Spindle Head :
 - ▶ Spindle head is driven by servo motor which provides variable speed change.
 - ▶ Both fixed type and non fixed type spindles are available to meet various applications.
 - ▶ Optional I.D. grinding wheel provides more flexible applications.



■ Plunge Grinding Examples



■ Machine Specifications

Capacity	GRU-2040	GRU-2060
Distance between centers	420 mm 16.5"	620 mm 24.4"
Max. swing over table	Ø200 mm 7.8"	
Max. load between centers	80 kg 176 lb	
Max. external grinding diameter	Ø190 mm 7.4"	
Roundness	0.8 µm	
Machine positioning accuracy	1 µm	
Wheel spindle		
Swivel angle	± 30°	
Wheel O.D. x width x I.D.	Ø405 x Max. 80 x Ø127 mm Ø15.9" x Max. 3.1" x Ø5"	
Wheel spindle travel	180 mm 7"	
Max. travel	180 mm 7"	
Min. setting unit	0.001 mm 0.00003"	
Max. rapid traverse speed	8 m/min. 315 IPM	
Grinding feed rate	0.0001 - 6,000 mm/min.	
Work table		
Swivel angle	-3° ~ +12°	
Max. travel	420 mm 16.5"	620 mm 24.4"
Max. rapid traverse speed	10 m/min. 393 IPM	
Min. setting unit	0.001 mm 0.00003"	
Grinding feed rate	0.0001 - 8,000 mm/min.	

Work-piece spindle	GRU-2040	GRU-2060
Spindle motor	SERVO MOTOR	
Swivel angle	+90° ~ -30°	
Center taper	MT#3	
Tailstock		
Travel	20 mm 0.78"	
Center taper	MT#3	
Motor		
Axes drive motor	X-axis 1 kW 1.3 HP	
	Z-axis 1.5 kW 2 HP	
Wheel spindle	5 HP	
Work-piece spindle	0.75 kW 1 HP	
Hydraulic pump	2 HP	
Coolant pump	1/4 HP	
General		
Dimensions (mm)	2,700 x 2,130 x 1,950 107" x 84" x 77"	2,900 x 2,130 x 1,950 115" x 84" x 77"
Net weight	3,500 kg 7,720 lb	3,800 kg 8,380 lb

Specifications are subject to change without notice.