



Bryant UL2

Internal grinding machine



High volume productivity and exceptional accuracy

- Ideal for bore, seat & face applications, valve train components, gears, bearing & automotive applications
- Round-bar hydrostatic slide ways
- "Flow-Thru" concept for ultimate thermal stability
- Designed for optimum CBN performance
- Independent "X" and "Z" slides
- Rapid traverse rate (46m/min)

High performance and high precision grinding

The Bryant UL2 has been designed specifically for high speed and high precision grinding. With proven accuracy and reliability, performance compromises have been eliminated.

FEATURES

- Cast iron bed with unique torque tube design
- High resolution servo motors in X and Y axes
- Super precision ball screws
- Fanuc i series standard
- Spindle speeds up to 120,000 RPM
- Acoustical Emission Monitoring System (AEMS) available

DRESSING OPTIONS

- High frequency rotary
- Single point diamond
- Radius
- Roll form
- Ring

LOADER OPTIONS

- Auto-loader
- Robot loader
- Servo loaders

GAUGING OPTIONS

- In-process and post-process



Gears

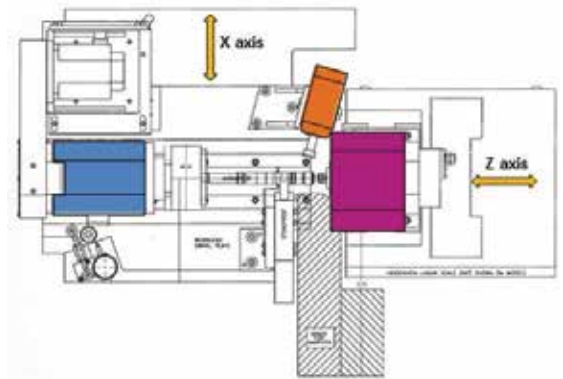


Valvetrain components



CV joint components

Model	Bryant UL2
Workpiece material	
Max. workpiece diameter	177 mm (7")
Max. internal grinding diameter	100 (140) mm (3.9")
Max. internal grinding depth	75 mm (3")
Spindles & workhead	
ID spindle speed	up to 120,000 rpm
Max. workhead speed	4,000 rpm
Axes & control	
Axis travel X	50 mm (2")
Axis speed X	13,000 m/min (43 ft/min)
Axis travel Z	254 mm (10")
Axis speed Z	46,000 m/min (151 ft/min)
Control	Fanuc i series
Dimensions	
Dimensions (W x D x H)	2,555 x 1,825 x 2,546 mm (8.4' x 6' x 8.4')
Machine weight	4,750 kg (10,472 lb)



Extremely stiff machine bed

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