



# Bryant RU1

Internal grinding machine



## Performance and precision technology

- Ideal for bearing, valvetrain and fuel management applications
- Granite epoxy bed with thermal stability system
- Exceptional stiffness
- Round bar hydrostatic slide ways
- Linear motors for all linear axes
- Conventional & CBN wheels
- Internal or external grinding setup available

# High precision for small parts processing

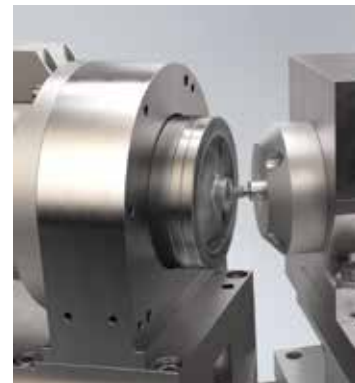
The Bryant RU1 brings a whole new dimension to small precision part processing. It offers large machine capability on a small footprint and is ideal for fuel management, valve train, bearing and other custom applications.

## FEATURES

- Standard 100 mm (6 inch) travel in both “X” and “Z” axis
- Positioning with 0.1µm glass scales
- Optional C-axis (encoder)
- FANUC i series standard
- Remote diagnostics available
- Spindle speeds up to 120,000 RPM
- Acoustical Emission Monitoring System (A EMS) available

## DRESSING OPTIONS

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



30° angle workhead, ID setup



Model	Bryant RU1
<b>Grinding capacity</b>	
Max. swing diameter	127 mm (5")
Max. workpiece length	63 mm (2.5")
Max. internal grinding diameter	38 mm (1.5")
Max. internal grinding depth	31 mm (1.2")
<b>Spindles &amp; workhead</b>	
Max. number of spindles	1
Max. ID spindle speed	120,000 rpm
Max. workhead speed	3,000 rpm
<b>Axes &amp; control</b>	
Axes travel X	101 mm (4")
Axes travel Z	101 mm (4")
Axis speed (X & Z)	24,000 mm/min (79 ft/min)
Axis arrangement	Stacked
Control	Fanuc i series
<b>Dimensions</b>	
Dimensions (W x D x H)	1,220 x 760 x 1,660 mm (4' x 2.5' x 5.5')
Machine weight	3,940 kg (8,689 lb)

The information provided on this document is for information purposes only and does not constitute a legal obligation or a warranty, express or implied, of any kind.

## CONTACT US

[grinding-ultraprecision@fivesgroup.com](mailto:grinding-ultraprecision@fivesgroup.com)

Bryant | Cincinnati | Cranfield Precision | Daisho | Gardner | Giustina | Landis

[www.fivesgroup.com](http://www.fivesgroup.com)



**fives**

Industry can do it