



BRYANT RU1

High performance multi-surface
grinders

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Prepared by: Caitlin Barnhart

BRYANT RU1

Multi-surface grinder

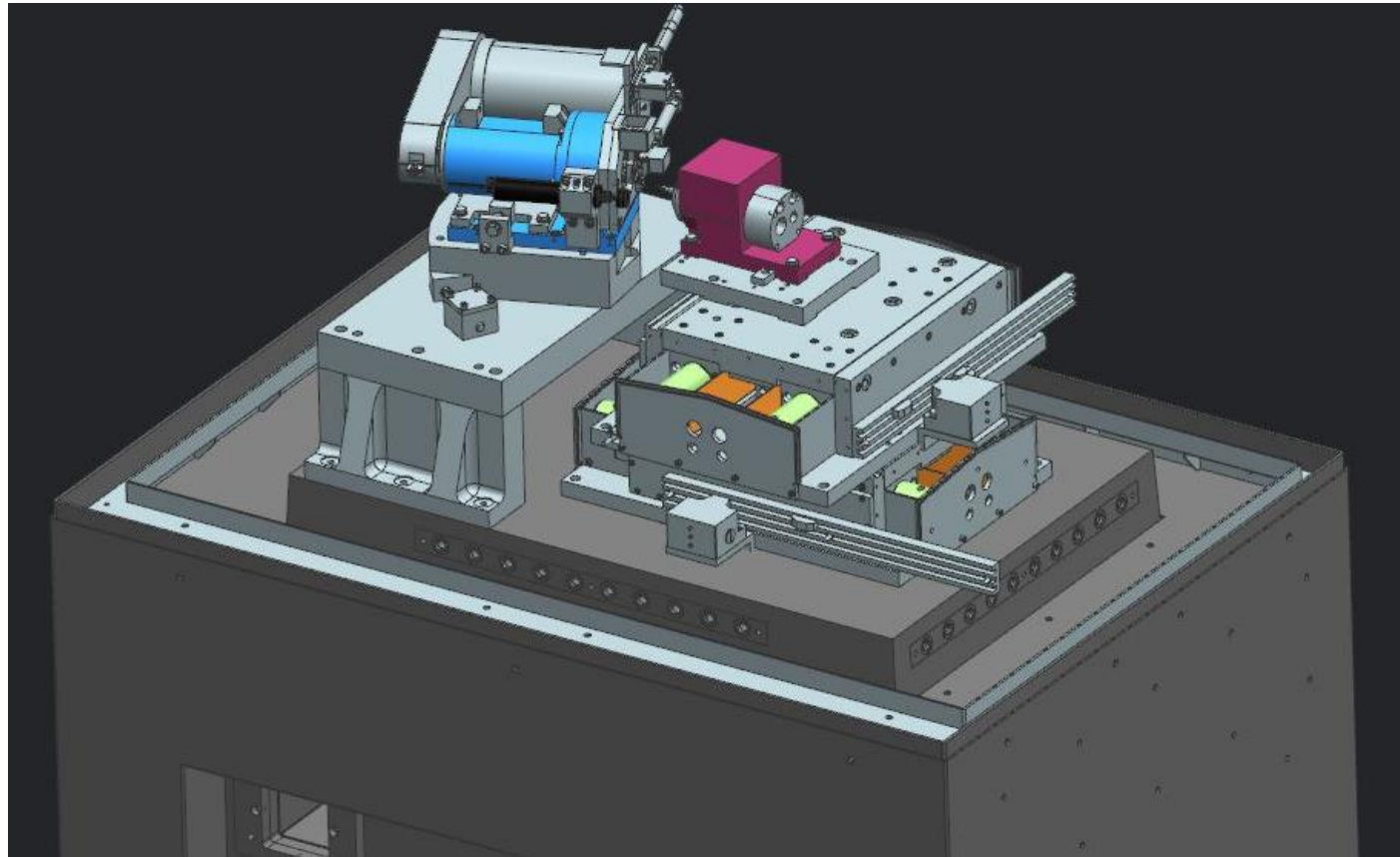
Single-spindle machine for small precision part processing

- Ideal for bearing, fuel system & value train applications
- Small footprint
- Linear motors for all linear axes
- Positioning with 0.1 μm glass scales
- Spindle speeds up to 120,000 RPM
- Available configuration:
 - Chucker Shoe
 - Centerless



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Slide Arrangement



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Specifications

Grinding capacity	
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")
Spindles & workhead	
Max. number of spindles	1
Max. ID spindle speed	120,000 rpm
Max. workhead speed	3,000 rpm

Axes & control	
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
Dimensions	
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)

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Carbide Metering Seat



Attribute	Tolerance	SPC Analysis
Roundness seat	.00008" (0.002mm)	> 2Cpk
Surface finish Ra max	4 μ in. (0.102 μ m)	5Cpk

