



## Ultra\* Low Inertia Biconic Air Bearing Spindle

**\*1/5 the Inertia of the Standard Biconic**



### Higher Performance:

- 30,000 RPM/s<sup>2</sup> Acceleration/Deceleration (Controller Dependant)
- 25,000 RPM Operation (Controller Dependant)
- Less than 1  $\mu$ " Non-Repeatable Run-out (NRR)

### Reduces costs:

- Crash-proof Performance due to Loss of Air or Actuator Crash
- Less than 0.25 SCFM Air Consumption at 80 PSI
- Integral Evacuation Porting for Ultra Clean Operation

### Highly Versatile:

- Fully compatible with Standard OEM Spindle Driver models
- <3.00" Cartridge style for easy integration into Custom Applications
- Pneumatic or Vacuum Clamping Circuit integral to spindle
- Custom Mounting Flange & Payload Configurations available upon request

### Features:

- 8-pole Low-Cogging brushless DC motor
- 1024 Line-count Differential Driver Encoder
- Encoder Disk Centered for Minimum Modulation
- Cool-running Operation and Thermally Stable