With locations around the globe, Dynomax Inc’s headquarters location in Wheeling, IL houses only a portion of our capabilities. Designing and manufacturing spindles to super precision tolerances under ISO 9001:2008 processes, our facilities includes:

• Engineering labs equipped with the latest precision design software
• Precision machining centers (tolerances of ± 0.0001)
• Temperature controlled clean room assembly
• Super precision measuring equipment
• Precision balancing equipment with electronic database documentation
• Vibration analyzing technologies
• Customizable test cells for precise runoff specifications

And many more…

In addition to our facility, the Dynomax team is a multi-talented group of engineers, technicians and business professionals. Although the true talents of our team are continuously being revealed, Dynomax can provide support in:

• Application Consulting
  - Including concept feasibility studies
• New Spindle Design
  - Engineering support, design and consultation services
• New Spindle Manufacturing
  - Of both components and complete spindle systems
• Spindle Services
  - Including everything from repairs to spindle upgrades
• Systems Integration
  - Assistance with controls and spindle system hardware

Advantages
• Certified and tested spindles arrive at your dock door ready to perform.
• Improved spindle performance and quality that is guaranteed for 1 (one) full year.
• Reduced delivery times of custom designs and modifications.
## BLOCK AND CARTRIDGE

**Advantages**
- Variety of achievable spindle characteristics including power and torque options through use of various available motors
- Adjustable operating characteristics through changes in belt ratio
- Simplicity of design / ease of repair

**Features**
- Externally driven spindle (belt driven)
- Eagle PD drive systems improve stability of spindle system and allow for smooth transmission of power
- Available belt housing, motor assembly and brackets offer complete solution
- Gear Driven
- Multi Head
- Live Tooling

**Applications**
- Boring
- Turning
- Grinding
- Facing
- and more

## MOTORIZED

- High power and torque ratio (direct power)
- High load capabilities
- Most reliable (least maintenance prone motor)

**Features**
- Dual wound motor 230 or 460v.
- Ambient air cooled
- Labyrinth seals protect bearings

**Applications**
- Grinding
- Milling
- Robotic
- Wheel Dressers
- and more

## HIGHSPEED

- Highest speeds (Maximum 60,000 rpm)
- Glycol cooling minimizes thermal expansion, maintaining spindle integrity
- Integral motor spindle designed for optimal performance

**Features**
- Relatively light weight, robotic friendly
- Modular design, easy to replace
- Test Stand Motors
- Dyno Motors
- Permanent Magnet Motors
- Connectors for power and signal connections

**Applications**
- Milling
- Grinding
- Drilling
- Boring
- High Speed Machining
- and more

## ROBOTIC

- Lightweight construction to minimize payload stress on robot
- Advanced sealing minimizes threats of contamination
- Designed to operate at multiple angles and orientations, ideal for robotic machining

**Features**
- HSK tooling standard
- Corrosion resistant
- Modular, quick change made easy
- Automatic tool changer with integral positioning system
- HSK63
- HSK100

**Applications**
- Deburring
- Grinding
- Boring
- Turning
- and more

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### BRANDS SERVICED

- Breton
- Bridgeport
- Brown & Sharpe
- Chevalier
- Cincinnati
- Colombo
- Daewoo
- Diedeschaim
- Excell-O
- Fadal
- Gamfior
- Hardinge
- Harig
- Heald
- Hitachi
- Hydromat
- Intermac

- Kessler
- Kitamura
- KO Lee
- Makino
- Mazak
- Mistubishi
- Mori Seiki
- Myford
- Okamoto
- OKK
- Okuma
- Parker Majestic
- Pope
- Precise
- Schütte
- Setco
- Toyoda
- Unison

(Please visit [http://dynospindles.com/brands/](http://dynospindles.com/brands/) to view more brands that Dynomax Inc. services.)