

DYNOMAX INC. IS...

Design

Custom spindle designs are a Dynamax specialty. Having helped many companies develop new, more efficient spindles, Dynamax custom designs offer an affordable way to improve / machinery. In addition to custom concepts, our engineers can customize most Dynamax standard spindles to meet customer requirements without significantly increasing delivery time lines. Whether you're looking for a clean-sheet design or just a few minor modifications, the Dynamax engineering team is here to help.

Manufacturing

Every Dynamax spindle is manufactured to precision tolerances under ISO guidelines, featuring:

- Modular designs that allow for quick and easy customizing and integration
- Assembly completed by trained technicians under controlled conditions
- Testing for acceptable vibration and temperature levels
- Balanced to precision tolerances using state of the art equipment
- Run-ins to maximum operating speed certify acceptable performance

Dynamax is committed to delivering a quality product on time and within budget. We stand behind all our spindles with a full 1-year warranty on all parts and craftsmanship. In addition to our manufacturing expertise, Dynamax representatives excel at selecting spindles that meet customer requirements and optimize their environments.

Performance

Dynamax gives you the quickest way back to maximum production with timely, high quality service. Whether it's a spindle repair or retrofit, our step-by-step ISO 9001 documented service process ensures precision and quality craftsmanship every time. All Dynamax services are completed at our modern in-house facilities utilizing the latest industry technology and techniques. Call or e-mail us today to see how Dynamax's spindle repair services can restore your spindle's value, reduce downtime, and save you money.



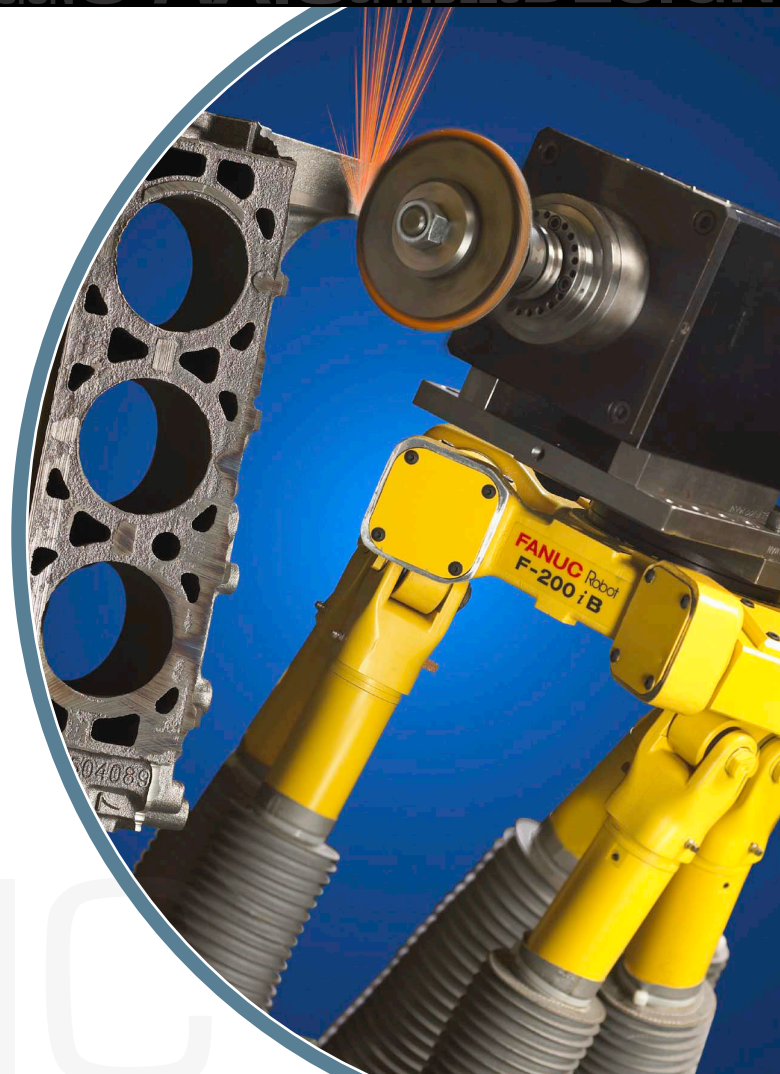
ROBOTIC SPINDLES

Spindles Made Exclusively for Robotic Applications

In addition to the specially designed robotic spindle series, many of Dynamax's standard spindles are well suited for robotic applications. Contact a Dynamax representative today to find the perfect spindle to fit your unique situation.

Robotic Spindles Offer:

- Lightweight construction to minimize payload stress on robot
- Integral motor design provides optimal performance in a variety of applications
- Air purge and labyrinth sealing to minimize threats of contamination
- Ceramic bearings to extend life and allow higher speed operation
- Water cooling to extend spindle life
- An automatic drawbar for quick tool change
- Available customization options to enhance performance



SPINDLE REPAIRS

We understand that when your spindle is down, your machine is down. At Dynamax, we do everything we can to get your spindle running and keep it running. Our in-depth knowledge of spindles and spindle components make us your ideal source for improved spindle performance and profitability.

More Reasons to Choose Dynamax Inc.

- An ISO 9001 :2000 Registered Company
- Complete 1 year warranty of all parts and craftsmanship on both new and repaired spindles.
- Precision machining, measuring, and testing capabilities (± 0.0001)
- Highly trained and experienced spindle technicians.
- Engineering support available for spindle development.
- Experience and service on most spindle makes and models, foreign and domestic.
- Utilize vibration analysis, balance and run-in procedures.
- Competitive pricing and lead times.
- Reduce down-time and return to maximum production faster.
- Improve throughput and maximize profits.



SPINDLE DEVELOPMENT

Reasons to Choose Dynamax Inc.

- Transform your spindle's components and configurations to help achieve higher speeds, tolerances and stiffness.
- Add new life and enable you to get more from you existing machinery.
- Offer a cost-effective way to upgrade your machine's performance.
- Reduce capital expenses required to enhance existing machinery.
- Improve production quality with precision spindles.
- Save production time as well as the costs of poor quality re-work.

Spindle development by Dynamax can be to modify existing components to improve performance, precision and efficiency. Other upgrades include : re-designing spindles to increase maximum achievable speeds and stiffness, upgrades made to bearings and lubrication systems to minimize chatter, modifications made to the sealing system to avoid contamination, or improvements to the shaft for easier tooling conversions. With these possibilities in mind, let Dynamax spindle remanufacturing and spindle design services

Dynamax Retrofit Spindles

Often used by companies who are looking to get more from their existing spindle, Dynamax offers an alternative to a new spindle. Dynamax makes use of the existing infrastructure, ensuring a plug and play solution while improving certain performance features to yield a superior spindle. Retrofitting existing spindles adds value and performance capabilities.



Dynamax Inc. is a leading designer and manufacturer of high-precision machined components, injection molding and tooling, sub-assemblies, specialty machines and machine tool spindles. We are ISO 9001:2008, AS9100 Rev C and ITAR registered.
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