

A Tradition of Leadership in Custom Gearing

Emerson Power Transmission's gearing business is a world leader in innovative gearbox design and technology. We have over 65 years of experience in custom gearing design.

As your partner in product development, we offer state-of-the-art capabilities to insure you get the best gearbox for each application. Speedy prototyping, 3-D modeling, extensive R & D and testing facilities, and fast pilot production shorten your time to market.

A Packaged Drive System for Your Specific Application

Emerson Power Transmission has an extensive track record, with a wide array of gear types, shaft configurations, ratios, housing materials and mounting methods, providing you the most efficient gearbox for each job. We work with your specific requirements and engineer the exact gearbox where a standard, off-the-shelf gearbox simply isn't sufficient.

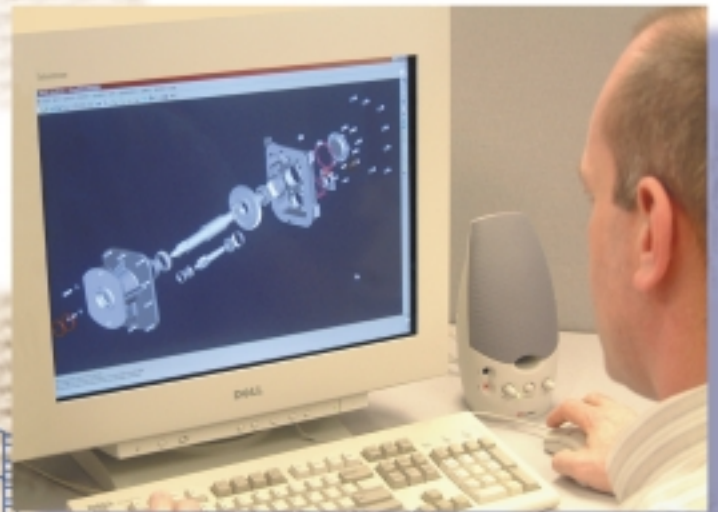
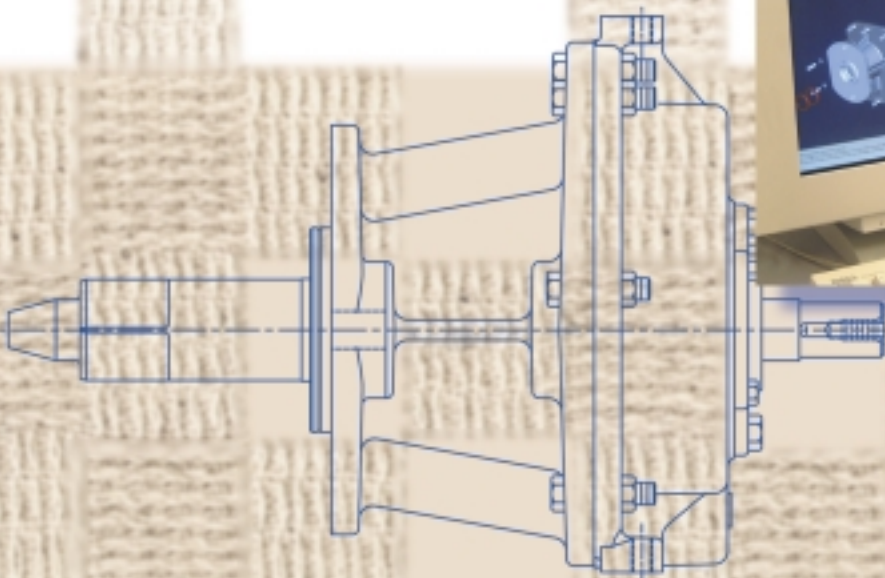
Broad Size Range

Emerson Power Transmission can design and build custom speed reducers to almost any gear ratio and load capacity you might need. Helical gear units can be designed from 100 inch lbs. to over 11,000,000 inch lbs. of torque. Worm gear units can be specified for under 100 inch lbs. of torque to over 132,000 inch lbs. of torque.

Service Before and After the Sale

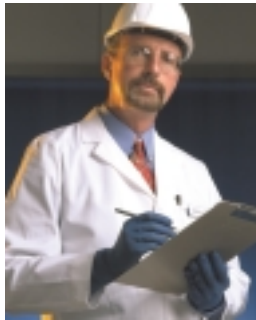
Emerson Power Transmission engineers and service technicians are available upon request for on-site application review and product specification assistance.

Installation and start-up assistance is also available, as well as in-field training of assembly, maintenance and service personnel.



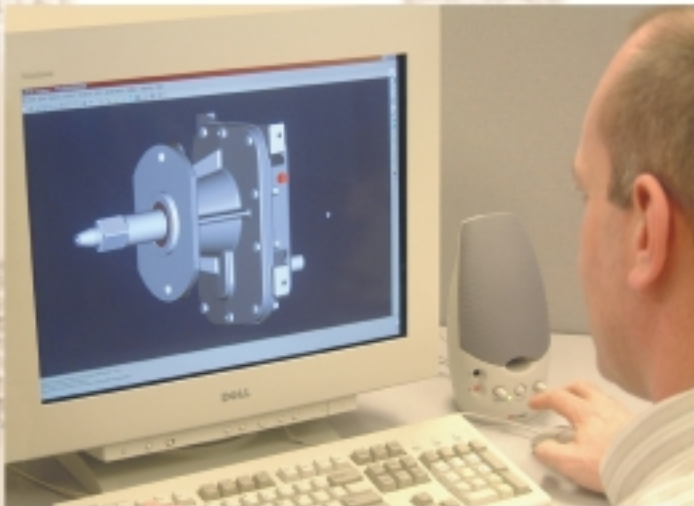
Engineering and Design Support Services

- Design Evaluation
- Dimensional Layout
- Pro-E 3-D Modeling
- Prototype Shop
- On-Staff Metallurgy
- Finite Element Analysis (FEA)
- Manufacturability Review
- Corrosion Salt/Fog Test Review
- Tension/Compression Test Facility
- Bearing Technology Center
- On-Site Supervision of Installation



Custom Motor and Gear Modifications

- Waterproof/Dust-tight/Explosion-proof Enclosures
- Special Voltages
- Thermal Protection
- Gear Reducers for Washdown and Corrosive Environments (Including USDA Approved Paint)
- Gear Capabilities up to 60" Diameter and 17" Face
- Special Nameplates Stamped with Custom Marking



Key Technical Resources

- Edison Welding Institute
- AGMA
- Emerson Asian Engineering Center
- Emerson Software Center for Excellence
- Emerson Motor Technology Center
- Emerson Advanced Design Center at Battelle Labs

eCommerce Capabilities — Savings Through Electronic Efficiencies

- Fully Interactive Relationship Capability
- Paperless Order Processing
- Purchase Order Acknowledgement
- Customer Planning Schedules
- Advance Ship Notices
- Invoicing

