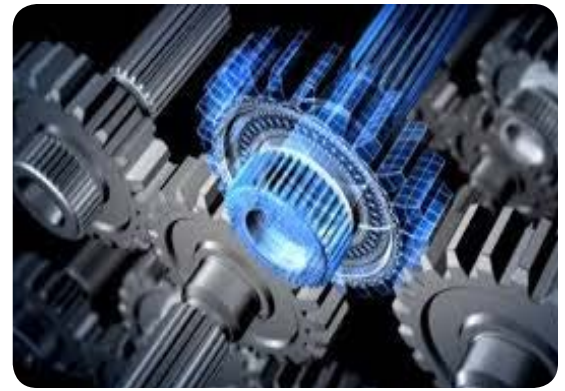


# Electromechanical Solutions

## Motors and Mechanical Products



- AMCI - [www.amci.com](http://www.amci.com) (stepper motors, PLC modules, rotary sensors, other)
- Bison Gear & Engineering - [www.bisongear.com](http://www.bisongear.com) (FHP to 2HP gear motors)
- E•DRIVE - [www.edriveactuators.com](http://www.edriveactuators.com) (electrical power actuators)
- ELWOOD - [www.elwood.com](http://www.elwood.com) (explosion-proof & custom servo motors)
- Gemco - [www.ametekapt.com](http://www.ametekapt.com) (resolvers, linear displacement transducers, other)
- Hub City - [www.hubcityinc.com](http://www.hubcityinc.com) (power transmission provider of gear drives, gear motors and bearings)
- KTR - [www.ktrcorp.com](http://www.ktrcorp.com) (couplings for standard motor & servo applications)
- LinMot - [www.linmot-usa.com](http://www.linmot-usa.com) (Linear Motors, Guided Actuators, Servo Drives, and MagSpring constant force magnetic springs)
- Macron - [www.macrondynamics.com](http://www.macrondynamics.com) (linear robotics, actuators & screw driven actuators)
- Marathon Motors - [www.marathonelectric.com](http://www.marathonelectric.com) (induction and VFD motors)
- Nook - [www.nookindustries.com](http://www.nookindustries.com) (actuators, ball screws, lead screws, screw jacks, linear rail, other)
- Oriental Motor - [www.orientalmotor.com](http://www.orientalmotor.com) (stepper - ac - dc - clutch - brake - FHP - gear - motors)
- Pacific Bearing Company - [www.pbcllinear.com](http://www.pbcllinear.com) (ball screw, lead screw and belt driven linear actuator configurations)
- Paletti Profile Systems - [www.palettiusa.com](http://www.palettiusa.com) (linear actuators, extruded profile, guarding)
- Rockford Ball Screw - [www.rockfordballscrew.com](http://www.rockfordballscrew.com) (ball screw and acme screw products)
- Rockwell Automation - [www.rockwellautomation.com](http://www.rockwellautomation.com) (integrated servo motors & linear motion products)
- Stober - [www.stober.com](http://www.stober.com) (industrial & servo gear boxes)
- Wittenstein - [www.wittenstein-us.com](http://www.wittenstein-us.com) (planetary gear reducers, worm gears, couplings)

**ALPHA-WITTENSTEIN GEAR DRIVES** - Maintains an engineering-driven philosophy, offering quality and performance through innovation. Alpha is the only company manufacturing high-performance gearing solutions that delivers a five-year warranty, compared to competitors offering a one-year, limited warranty. Alpha's planetary gear head line includes the LP Value Line gear head and the more precise SP and TP gear heads. The unique SP High Speed gear head runs up to 4500 rpm in continuous operation, compared to standard gear heads that are generally rated at 3000 rpm, and then only for cyclic duty. It produces half the heat and offers three times the service life (30,000 hours) of competitive designs. The Alpha V-drive high precision economy right angle servo gear head offers flexibility, versatility and precision. reduces component requirements.



**AMCI** - Advanced Micro Controls Inc. is a leading U.S. based mfg. with global presence. They offer eight different product families, including Stepper Motor Control, PLC Modules, Rotary Sensors, Networked Devices, Stand Alone Solutions, Packaging Systems Controls and Stamping Press Technologies.



### Technical Resources

- Alpena, MI**  
989-356-3411
- Benton Harbor, MI**  
269-925-3244
- Birmingham, AL**  
205-254-3192
- Cadillac, MI**  
231-775-9734
- Chattanooga, TN**  
423-698-4471
- Cleveland, TN**  
423-479-2639
- Dalton, GA**  
706-275-4400
- Fort Wayne, IN**  
260-484-0755
- Grand Haven, MI**  
616-846-5591
- Grand Rapids, MI**  
616-459-8327
- Grand Rapids - S, MI**  
616-459-8327
- Holland, MI**  
616-396-4625
- Jackson, TN**  
731-423-0134
- Kingsport, TN**  
423-246-8151
- Knoxville, TN**  
865-546-8755
- Lansing, MI**  
517-322-2411
- Montgomery, AL**  
334-356-1845
- Muskegon, MI**  
231-773-6621
- Newport, TN**  
423-623-5650
- Oak Ridge, TN**  
865-482-4906
- Pigeon Forge, TN**  
865-453-4638
- Portage, MI 49002**  
269-345-0101
- Saginaw, MI**  
989-752-4181
- Three Rivers, MI**  
269-273-8644
- Traverse City, MI**  
231-946-7262
- Tuscaloosa, AL**  
205-759-5716
- Wyoming, MI**  
616-406-1555

# Manufacturer Highlights

**Gemco - AMETEK** - Factory Automation's flagship product line that includes Linear and Rotary Position Sensors, PLC & Network Interface Products, Press Automation, Programmable Limit Switches, Industrial Brakes and more. These products are designed for applications where high accuracy, high speed and high reliability in harsh environments is important.



**BISON GEAR** - The Bison Gear & Engineering gear motor product family product line ranges from 1/40 to 3 HP and includes right angle and parallel shafts, PMDC and 3 kinds of AC motors. Made in America, these gear motors offer the convenience of complete "drop-in" mounting interchangeability with other major brands.



**E•DRIVE** - Designs the most demanding ball screw linear actuators. For over 20 years E•DRIVE has been designing and building the most rugged actuators in the industry. Standard products span 200 to 25,000 pounds force, speeds to 60 inches/second, and accuracy to 0.0002 inch per foot. Maximum life is fundamental in all E•DRIVE products. The most flexible and robust designs, accommodating virtually any motor, and combined with short lead-times, provide a broad range of linear motion solutions. Application assistance is always available and CAD files as well as product literature are available on our web-site.



**KTR** - Has manufactured power transmission and hydraulic components for over 40 years. The product line includes Precision, Servo grade and General use Shaft to Shaft Couplings, Friction disk, Ball and Roller detent Torque Limiters, Precision U-joints, Keyless Shaft Clamping Elements, Magnetic Couplings and Torque Measuring Systems. KTR offers high-performance, innovative solutions with Worldwide Service.



**MACRON** - Multi-axis automation products including H-Bots, T-Bots, Gantry and Cartesian Robots. Motion Solutions for every market. Linear actuators offer horizontal and vertical motion with travel up to 500 feet, speeds up to 600 in/sec., and can accurately handle loads up to 10,000 lbs.



**Nook Industries** - Manufactures inch and metric mechanical and electro-mechanical actuators, assemblies and components, including: Modular Linear Actuators, Ball Screw, Roller Screw, Acme Screw, and Lead Screw Assemblies, Ball Splines, End Bearing Supports, Worm Gear Screw Jacks, Electric Cylinder Actuators, HRC 60 Linear Shafting, Profile Rail Linear Guides, Linear Slides, Bearings and Pillow Blocks.



**PALETTI USA** - Designs and manufactures linear actuators from their extensive line of extruded aluminum modular, T-Slotted profiles. These linear actuators can be belt driven, ball screw driven, or manually/ pneumatically driven. Other applications for our profiles include: machine frames / bases, guarding, and ergonomic workstations.



**ORIENTAL MOTOR USA** - Since its founding in Japan in 1885, Oriental Motor has been a world leader in motion control. Established in the USA in 1978, Oriental Motor's innovative manufacturing method enables us to manufacture one piece as easily as 1,000 pieces, with very high quality standards. With over 5,000 products to meet all specifications, Oriental Motor offers a wide variety of motion control products including 2-phase and 5-phase stepping motor systems and micro stepping motor systems; AC gear motors; AC and DC brushless speed control systems; and AC/DC fans, blowers, and cross flow fans. Product specifications and CAD drawings are available through the web site.



**ROCKFORD BALL SCREW** - Offers a mature product line, built to the highest performance design standards. Our extensive engineering expertise and state-of-the-art manufacturing facility ensure top performance and reliability in our products. We offer one of the largest inventories of ball screw and acme screw product lines in the industry and our offerings are continually growing and evolving. Our extensive product lines include cataloged, non-cataloged, standard, and non-standard offerings.



**ELWOOD** - A manufacturer of explosion-proof servo motors that carry the UL and ATEX certifications for hazardous locations, and has the capability to do custom mounts, shafts, sealing, and connections for your special needs applications. High resolution absolute encoder, incremental and resolver feedback options are available.



**HUB CITY** - Provides power transmission products for use in recreation, transportation, military, packaging, construction, communication, material handling, medical and food processing equipment.



**LinMot** - is focused on the development, production and distribution of linear motor systems for industrial applications. These are sophisticated products which provide the utmost reliability in linear motion and can easily be integrated into automation and control systems.



**MARATHON ELECTRIC** - Manufacturer of high-quality and high-efficiency industrial & commercial AC & DC motors, NEMA & IEC, 1/6 thru 1000 HP.. Inverter duty products include Blue Max and Micro Max, up to 2000:1 speed range.



**PACIFIC BEARING COMPANY** - Has a complete line of Actuators available in ball-screw, lead screw and belt driven configurations. Headquartered in Roscoe, IL, PBC Linear manufacturers all of our products right at home - ensuring fast delivery, lower total costs and reliable service.



**ROCKWELL AUTOMATION** - Offers the MP-Series™ integrated linear motion products that include linear actuators and linear stages. These products provide flexible servo control through accurate positioning and quick-building forces. They are also completely integrated creating a complete integrated solution in Logix™.



**STOBER** - Has been a pioneer in the gearing industry since 1934. Through constant innovation, STOBER today is known for high performance, high efficiency and low noise, encompassing various gearing solutions offered to the industry. STOBER Drives Inc., located in Maysville KY, manufactures products for the North American market.

