



**Sometimes a Standard Component is Your Best Option**

For design review or high-volume production, we offer a wide range of standard components online, combining the products from all the Designatronics brands into one convenient source.



Gears, Fine to Course Pitch Gearheads, and Gearboxes

Synchronous Timing Belts and Pulleys, Chain and Sprockets

Motors and Motion Control Products, Speed Reducers/Increases, Clutches, Brakes, Controllers

Couplings and Universal Joints Shafting, Shaft Accessories, and Unique Components

Bearings and Linear Motion Products Pulling from a network of leading bearing manufacturers we make it easier to meet all your requirements.

**Our Certifications**

- ISO 9001 + AS9100
- ITAR Compliant-DDTC Registered
- DFARS Compliant
- RoHS & R.E.A.C.H. Compliant
- NIST SP 800-171 Compliant

**Streamline Your Supply Chain**

We deliver parts and subassemblies complete by performing and managing secondary operations, thereby eliminating your need for additional sourcing, time, and cost.

We partner with our clients, turning their ideas into reality. Building long-term relationships with our customers based on trust and ability to meet world-class-quality standards, we continue to evolve to meet the needs of tomorrow.

**One Complete Source**

- Engineering Development & Collaboration
- Experts in Design & Manufacturing
- CNC manufacturing
- Assembly services
- Bearing cleaning and lubrication
- Mechanical and electromechanical component options

**Engineering Development and Collaboration**

Our experts provide design review, material selection, and manufacturing options.

**Prototype**

Prototypes are built in house to confirm fit requirements.

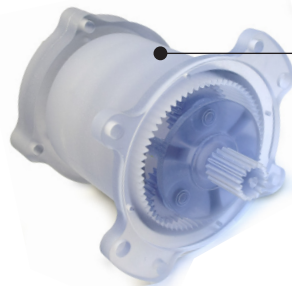
**Full Production Capabilities**

- 96,000 Square Feet State-of-the-Art Manufacturing Facility
- Over 170 Machines
- ISO 7 Class 10000 Clean Room for Assembly

Our wide range of CNC machining centers and equipment allows us to manufacture small to high volume orders. Many of our machines run lights out to accommodate shorter lead times.

Applications span a variety of commercial and military jets, tanks, missiles, UAVs, robots, satellites, and even the Mars Rover.

- Actuation / Positioning Systems
- Antenna Positioning
- Cargo Movers
- Door Releases
- Flight Guidance Controls
- Fuel Control
- Imaging Systems for Surveillance / Security
- Instrumentation
- Rudder Control
- Solar Wing Positioning
- Stabilization Systems
- Structural Components
- Weapons Targeting



**PROTOTYPE**  
3D Printing  
Engineering Services



**PRODUCTION**  
Assembly  
Bearings  
Milled Housing with Internal Gears  
Planetary Gear Assembly



**E2D Hawkeye**

- Antibacklash Gears
- Assemblies
- Bearings
- Couplings
- Differentials
- Gear Drives
- Planetary Gearheads
- Precision Gears



# ENGINEERED SOLUTIONS FOR A WORLD IN MOTION

**Designatronics** inc.

## SMALL POWER TRANSMISSION

Timing Belts and Pulleys - Custom and Standard  
Ladder / Roller Chains and Sprockets  
Belt Clamp Kits  
Belt and Chain Tensioners  
Clutches and Brakes  
Fairloc® Hub Pulleys  
Flat Belts  
Idlers  
Posi-Drive System  
Pulley Stock  
Synchromesh Drive System  
Tension Testers  
V-Belts



## GEARING

Anti-Backlash Assemblies  
Bevel and Miter  
Cluster Gears & Hubs  
Differentials  
Fairloc® Hub Type  
Gears and  
Gear Assemblies - Custom  
Gearboxes  
Helical  
Internal  
Molded and Nonmetallic Spur  
Pinions and Pinion Shafts  
Racks  
Right-Angle Bevel  
Right-Angle Helical  
Speed Reducers  
Splines and Splined Bushings  
Spur  
Spur Gear Stock  
Worms and Worm Gears



## SHAFTING AND SHAFT ACCESSORIES

Hardened and Ground Shafting  
Ball Splines  
Bore Reducers  
Flexible Shaft Assemblies  
Gear and Dial Hubs  
Locking Hub Bushings  
Shaft Collars  
Shaft / Hub Clamps  
Shaft Reducers and Extenders  
Shaftloc®



## COUPLINGS

Bellows  
Control-Flex  
Crowned Tooth Gear Type  
Disk with Split Hub  
Gearing  
Heavy Duty Flexible  
Helical  
Jaw  
"K" Type  
Magnetic Disk  
Modular Bellows  
Neo-Flex  
Oldham  
Plastic  
Sleeve  
Spider Type  
Spline Type  
Torque Tube  
Fairloc® Shaft Couplings  
Multijawed



## UNIVERSAL JOINTS

Economy Series  
Electrically Insulating  
Miniature  
Molded  
Double and Single Joint  
Telescoping

## BEARINGS

Ball  
Clip Type  
Housings  
Linear  
Needle  
Plastic  
Rod End  
Self-Clinching  
Sintered  
Sleeve  
Spherical  
Thrust  
Ultra-Precision



## LINEAR MOTION

Acme Lead Screws and Nuts  
Ball Screws  
Ball Nuts  
Linear Ball Bearings  
Linear Frelon® Lined Bearings  
Linear Guide Systems  
Linear Plain Bearings  
Miniature  
Mounting Blocks  
Precision Shafting



## MOTORS, GEARHEADS, AND MOTION CONTROL

AGV Geared Motors  
AGV Assemblies & Kits  
DC Brushless Servo Motors  
DC Brushless Frameless Motors  
Gearheads - Spur and Planetary  
Gearmotors  
Integrated Motor  
Controllers  
Motor Controllers  
Stepper Motors



## VIBRATION AND SHOCK ABSORBING COMPONENTS

Bolt Mounts  
Bumpers  
Cylindrical Mounts  
Finger-Flex Mounts  
ISO - Pads  
Leveling Base Mounts  
Platmounts  
Ring Mounts  
Silicone Gel Tape, Chips, and Sheets  
Spring Suspension Mounts



## HARDWARE

Bushings  
Cap Screw Kit  
Dials  
Handcranks  
Handles  
Nuts  
Pins  
Retaining Rings  
Screws  
Set Screws  
Shims  
Spacers  
Springs  
Stand-Offs  
Threaded Rods  
Thumb Screw Knobs  
Washers



## UNIQUE COMPONENTS

Cams  
Constant Force Springs  
Electromechanical Limit Stops  
Feed Rollers  
Friction Drive Wheels  
Idlers  
Neg'ator® Spring Motor Assemblies  
Precision Geneva Mechanisms  
Spir'ator® Spring Powered Reels  
Spring-Powered Reels



Get product specifications and helpful design calculations, **REQUEST YOUR CATALOG!**

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