Series 2000
Right Angle Helical Bevel Gear Drives & Gear Motors

Boston Gear
An Altra Industrial Motion Company
Introducing new gearing solutions from Boston Gear

This well-recognized Altra Industrial Motion brand has utilized its gearing expertise to offer the innovative Series 2000 product line. Boston Gear products have a reputation for superior engineering, quality manufacturing and reliable performance. As an industry leader, we have extensive experience and application knowledge in industries including material handling, food processing, packaging, bottling, and metals.

For more information about Series 2000 Gear Drives or Gear Motors call: 888-243-3447

Series 2000
Right Angle Helical Bevel Gear Drives and Gear Motors

LOADED WITH UNIQUE PERFORMANCE AND CONVENIENCE FEATURES TO MEET A WIDE VARIETY OF APPLICATION REQUIREMENTS.

We asked OEMs, end users and distributors what mattered most when it came to gear motor design. Their responses helped guide us in the development of the new Series 2000 Gear Motor product line.

Series 2000 Advantages

• Altra’s Competitive Displacement Product Offering
  - Designed with critical dimensions equivalent to select competitive gear drives

• Enhanced Performance
  - High torque with ratings in accordance with AGMA standards provide long life and potential downsizing
  - Tested to an effective 25,000 hours. Proven ratings vs. theoretical

• Design Flexibility
  - Large assortment of shaft options for more application flexibility
  - Variety of optional hollow bore sizes available for quick delivery
  - Variety of input styles including NEMA and IEC C-FACE motor mounts

• Fast and Easy Installation
  - Unique mounting registers for quick, precision alignment
  - Keyless tapered bushing provides quick and secure installation of drive shaft

• Low Maintenance
  - Unique rounded surfaces allow for easier cleaning
  - Premium acrylic paint emulsion pigmented with alloy 316 stainless steel flake provides high corrosion & abrasion resistance for long term durability
  - Integrated O-rings at mounting interfaces provide high leak and ingress resistance
  - Automatic entrapment of wear debris for longer life
  - Large diameter oil fill/drain holes for fast oil changes
  - Synthetic lubrication extends gear life

SERIES 2000 GEAR DRIVES AND GEAR MOTORS ARE DIMENSIONAL DROP-IN REPLACEMENTS FOR SEW EURODRIVE™ KA SERIES PRODUCTS

Application Examples:

- Cheese slicers
- Dairy and bakery mixers
- Spiral heating and cooling racks
- Potato chip salters
- Produce drying bins (tumblers)
- Meat forming (links, patties, grinding)
- Meat carcass processing
- Bottling lines
- Unit conveyors
- Palletizers

Call 1-888-243-3447 or visit www.helical2000.com
http://www.automatedpt.com Email: charles@automatedpt.com
C-face and Projecting Input Shaft

- Unique rounded housing surfaces for easier cleaning
- Unique Two-Tuff premium acrylic paint (standard)
- Washdown epoxy paint (optional)
- Optional unique keyless tapered bushing provides longer life and faster installation
- Stainless steel shafts also available
- Unique mounting registers allow for quick precision alignment
- Larger diameter oil fill/drain holes for faster oil changes
- High-efficiency synthetic oil (Standard)
- Integrated O-rings
- NEMA or IEC C-Face motor input with 3-Jaw coupling
- Projecting input shaft and stainless steel shafts available

Energy Efficient Design

With efficiency of 98% per gear mesh, Series 2000 helical bevel reducers are ideal for use in applications with:
- continuous or high duty cycle operations
- high-ratio reduction
- limited access applications where long life is a necessity

Integral Gear Motors

- Gear motors are Inverter rated for use with a VFD (Variable Frequency Drive)
- Motors are CE, CSA and UR certified
- Mean time between failures exceeds 100,000 hours
- Highest quality bearings ensure long life
- Specially designed fans and fan covers provide quieter operation
- Class 1, Div 2, Groups B/C/D/T3C rated enclosure
## Electromagnetic Clutches and Brakes

**Warner Electric**  
Electromagnetic Clutches and Brakes  
New Hartford, CT - USA  
1-800-825-6544  
For application assistance: 1-800-825-6544  
St. Bartholomew’s d’Anjou, France  
+33 (0) 2 41 21 24 24  
Precision Electric Coils and Electromagnetic Clutches and Brakes  
Columbia City, IN - USA  
1-260-844-6145

**Matrix International**  
Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes  
Brechin, Scotland  
+44 (0) 1356 602000  
New Hartford, CT - USA  
1-800-825-6544

**Inertia Dynamics**  
Spring Set Brakes; Power On and Wrap Spring Clutches/Brakes  
New Hartford, CT - USA  
1-800-800-6445

## Linear Products

**Warner Linear**  
Linear Actuators  
Belvidere, IL - USA  
1-800-825-6544  
For application assistance: 1-800-825-6544  
St. Bartholomew’s d’Anjou, France  
+33 (0) 2 41 21 24 24

## Couplings

**Ameridrives Couplings**  
Mill Spindles, Ameriflex, Ameridis  
Erie, PA - USA  
1-814-480-5000  
Gear Couplings  
San Marcos, TX - USA  
1-800-458-0887

**Bibby Turboflex**  
Disc, Gear, Grid Couplings, Overload Clutches  
Dewsbury, England  
+44 (0) 1924 460081  
Boksburg, South Africa  
+27 11 916 4270

**TB Wood’s**  
Elastomeric Couplings  
Chambersburg, PA - USA  
1-888-829-6637 - Press #5  
For application assistance: 1-888-829-6637 - Press #7

**Ameridrives Power Transmission**  
Universal Joints, Drive Shafts, Mill Gear Couplings  
Green Bay, WI - USA  
1-920-593-2444

**Huc Dynatork**  
Precision Couplings and Air Motors  
Hertford, England  
+44 (0) 1992 501900  
Chambersburg, PA - USA  
1-800-829-6637

**Lamiflex Couplings**  
Flexible Couplings, Bearing Isolators, and Coupling Guards  
São Paulo, SP - Brasil  
(11) 5679-6533

## Couplings

**Wichita Clutch**  
Pneumatic Clutches and Brakes  
Wichita Falls, TX - USA  
1-800-966-3262  
Bedford, England  
+44 (0) 1224-350311

**Twiflex Limited**  
Caliper Brakes and Thrusters  
Twickenham, England  
+44 (0) 20 8994 1161

**Industrial Clutch**  
Pneumatic and Oil Immerged Clutches and Brakes  
Waukesha, WI - USA  
1-262-547-3357

## Gear

**Boston Gear**  
Enclosed and Open Gearing, Electrical and Mechanical P.T. Components  
Charlotte, NC - USA  
1-800-825-6544  
For application assistance: 1-800-816-5608

**Bauer Gear Motor**  
Geared Motors  
Esslingen, Germany  
+49 (711) 3518 0

**Huc Dynatork**  
Precision Couplings and Air Motors  
Hertford, England  
+44 (0) 1992 501900  
Chambersburg, PA - USA  
1-800-829-6637

**Nutall Gear and Delroyd Worm Gear**  
Worm Gear and Helical Speed Reducers  
Niagara Falls, NY - USA  
1-716-258-4103

## Overrunning Clutches

**Formsprag Clutch**  
Overrunning Clutches and Holdbacks  
Warren, MI - USA  
1-800-348-0881 - Press #1  
For application assistance: 1-800-348-0881 - Press #2

**Marland Clutch**  
Roller Ramp and Spray Type Overrunning Clutches and Backstops  
South Beloit, IL - USA  
1-800-216-3515

**Sleiber Clutch**  
Overrunning Clutches and Holdbacks  
Heidelberg, Germany  
+49 (0) 6221 30 47 0

## Belted Drives and Sheaves

**TB Wood’s**  
Belted Drives  
Charlotte, NC - USA  
1-800-829-6537 - Press #5  
For application assistance: 1-800-829-6637 - Press #7

## Engineered Bearing Assemblies

**Kilian Manufacturing**  
Engineered Bearing Assemblies  
Syracuse, NY - USA  
1-315-432-0700

For information concerning our sales offices in Asia Pacific check our website [www.altramotion.com.cn](http://www.altramotion.com.cn)