

Sumitomo Drive Technologies

A global power transmission solutions provider, with facilities strategically located throughout the world, providing comprehensive products and services in your region.



- ★ MANUFACTURING HUB & HEADQUARTERS
- ★ MANUFACTURING HUB
- ASSEMBLY & SERVICE
- SERVICE
- ▲ REGIONAL SALES OFFICE

HEADQUARTERS



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Sumitomo Drive Technologies

FOOD & BEVERAGE

INDUSTRY-LEADING DRIVES AND SOLUTIONS



Dependably-built low-maintenance products for uninterrupted operations.

We offer the toughest drives available to meet the harshest demands.



■ CYCLO® OVERHEAD DRIVE

Unique **GREASE-FILLED** Cyclo® transmission uses no gears and has 500% overload capacity.

- **2x** competitors' overload capacity
- Dimensionally **interchangeable** with competitor units on request
- **C-Face** motor adapter options
- **100% grease-filled** results in no leakage & long life



■ FORTRESS®

- Up to **2 HP**
- **3/4" to 1-7/16"** (Hollow & Solid)
- **7:1** up to **60:1**
- **Grease-filled**



■ HYPONIC®

- Up to **15 HP**
- **3/4" to 2"** (Hollow & Solid)
- **5:1** up to **1,440:1**
- **Grease-filled** options



■ CYCLO® 6000

- Up to **235 HP**
- **1/2" to 7"** (Solid Shaft)
- **3:1** up to **658,503:1**
- **Grease-filled** options



■ CYCLO® BEVEL BUDDYBOX® 4

- Up to **100 HP**
- **1" to 4-15/16"** (Hollow & Solid)
- **11:1** up to **26,000:1**
- **Grease-filled** options



■ CYCLO® HELICAL BUDDYBOX®

- Up to **40 HP**
- **1-3/16" to 6-1/2"** (Hollow Bore)
- **11:1** up to **26,492:1**
- **Grease-filled** options



■ SCREW CONVEYOR DRIVE KIT

- **Lip seal** with adapter
- **Double** oil seal in gearbox
- **CEMA-Compliant** shafts

■ FREEZER DRIVE

- Unique **Cam-driven** pump to circulate lubrication at **-45 °F**
- Start and stop operations at **full load**, thanks to Cycloidal technology's **500%** shockload ability.



■ SERVO GEARBOXES

- **Lower** cost than planetary gearboxes
- **Highest** acceleration and emergency stop capacity
- Servo Cyclo®, Servo Bevel BuddyBox® and Servo Hyponic® options

■ QUALITY FOOD GRADE COMPONENTS



SHIELD360®
Protection Packages

| Ingress Protection | SHIELD360° Packages |
|---|---------------------|
| Washdown IP65 | ChemiSHIELD360° * |
| Food Grade High-Pressure Washdown IP69K | UltraSHIELD360° ** |

* Stainless shafts upon request

** Quill input required

■ Unique Food Grade IP69K Mechanical Seals

- **Antimicrobial** FKM material
- **Self-contained** and **self-sealing**



■ Optional Stainless Steel Motors

- **Totally** enclosed stainless steel
- **Double-sealed** ball bearings



■ Cycloidal Gearing

- **Highest** efficiency of all gear types
- **500%** shockload





CHALLENGE: Inefficient Gearboxes

- **Worm** gearboxes have a **short** lifespan and run **hot**.
- **Oil** accumulated in drip pan **splashes** everywhere during routine washdowns.
- Limited **1.5** year life max.



SOLUTION: Fortress®

- Efficient Hypoid gearing helps the gearbox run **cool**.
- Maintenance-free **synthetic grease** eliminates need for oil change.
- **RDH-Style**, able to withstand high pressure during washdown.



CHALLENGE: Production Downtime

- Frequent **failure** of input oil seals causes **leakage**.
- Recurring input bearing **failure** due to the installed belt.
- The unit runs hot often, presenting a **burn hazard** to personnel.



SOLUTION: Maintenance-Free Hyponic®

- Maintenance-free **grease** lubrication keeps the unit running efficiently.
- Direct drive design **eliminates** the need for belts and replacements.
- Hypoid gears have **less friction** and are nearly 40 °F **cooler** than Worm geared units.



CHALLENGE: Contamination

- **Leaking** animal by-product contaminates gearboxes.
- Constant **downtime** due to its inability to withstand excessive shockloading.
- Constant **overheating** causing downtime and potential burn hazards.



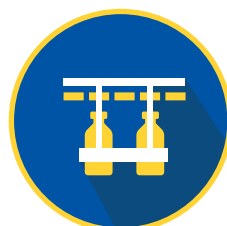
SOLUTION: Bevel BuddyBox® Screw Conveyor

- Sealed, grease-filled gearbox with **maintenance-free** operation.
- Cyclo® technology provides **2x** more **overload** capacity.
- Cycloidal gearing offers **higher** efficiency and **cooler** operational temperatures.

Packaging



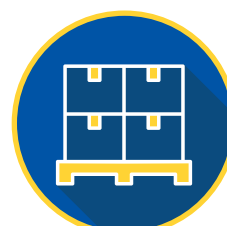
Filling
Equipment



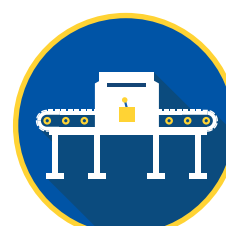
Process
Conveyors



Palletizers



Process
Equipment



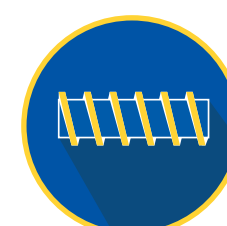
Conveyors



Mixers



Screw
Conveyors



Overhead
Conveyors



Agitators



Tailored gearbox solutions for every industrial need.



INTEGRAL GEARMOTORS

EPNA motors offer excellent performance, long operational lifespan and output seals that withstand common contaminants.

- UL, CSA, DOE **compliant**
- Certified **NEMA** premium motors
- **IP65** protection rating



CONDITION MONITORING

Fully customizable systems provide real-time condition data of any piece of rotating equipment. It's all about detecting small issues today before they become costly failures tomorrow.

- **Increase** machine up-time
- **Avoid** catastrophic failure
- **Conveniently** schedule maintenance
- Great for **new** or **existing** installations
- Meet your **Industry 4.0** goals



VARIABLE FREQUENCY DRIVES

Advanced motor control with ease of setup and operation. They are also capable of operating in some of the harshest environments.

- Connection to Rockwell Logix PLC Systems via **EtherNet/IP**
- **Rapid** commissioning tool with Bluetooth interface
- **200%** overload for 4 seconds
- **IP66/NEMA 4X**-rated enclosures



CENTERS OF EXCELLENCE

Our Centers of Excellence offer customers a **nationwide support network**. From **inventory distribution** to **manufacturing** to **assembly**, we have the team to ensure **high-quality, responsiveness, on-time delivery, and quick lead times**.



CHESAPEAKE, VA

Manufacturing, Support, Inventory, and Training

Our Western Hemisphere **headquarters** has **360,000 sq ft of manufacturing space**, and cutting-edge technology. Centralized inventory distribution with a **Foreign Trade Zone (FTZ)**, focused on **inventory optimization, motor assembly, and hands-on training** at our Power Institute.



VERONA, VA

Industrial Gearbox Production

Purpose-built facility specifically designed to handle the assembly of our **large industrial gearboxes**.



GLENDALE HEIGHTS, IL

Gearmotor Assembly and Support

Our Midwest facility is optimized for high volume solutions focusing on **small to medium gearmotors**.



LUFKIN, TX

Manufacturing and Services

This 32,000 sq ft facility handles gear **manufacturing**, gearbox **repairs**, and reverse **engineering**.