Sumitomo Drive Technologies

Sumitomo, Hansen and Seisa. Three brands, one global power transmission solutions provider. Sumitomo Drive Technologies has facilities strategically located throughout the world, providing comprehensive products and services in your region.

★ MANUFACTURING HUB

● ASSEMBLY & SERVICE

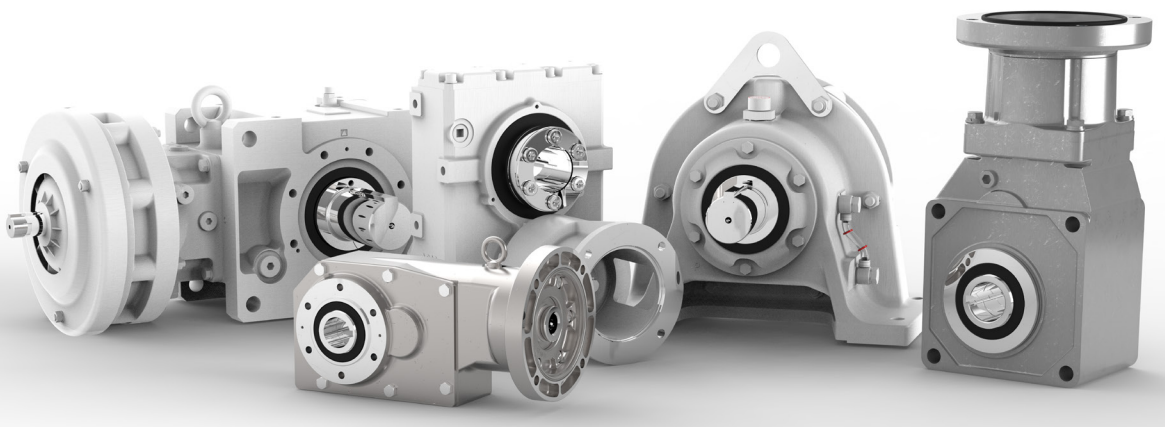
▲ REGIONAL SALES OFFICE

www.sumitomodrive.com

For worldwide locations, please visit www.sumitomodrive.com/worldwide
Contact your local representative at www.sumitomodrive.com/representative
Tel: 1-844-SM-CYCLO (762-9256)

Sumitomo Drive Technologies

Food & Beverage



Why choose Sumitomo Drive Technologies for Food & Beverage applications?

We Know the Food & Beverage Industry

Governing sanitation bodies such as CFIA, USDA, FDA, NSF and 3-A are recommending higher levels of bacteria control and increased sanitation measures in food and beverage handling environments. With this sanitation focus, there is an industry-wide initiative to increase the chemical concentration, water temperature, and frequency that facilities are cleaning their equipment.

Given this greater focus, it is critical that all equipment utilized within a food handling facility be capable of withstanding repeated exposure without external degradation or compromise in performance. Recognizing this, SM Cyclo of Canada, Ltd. has introduced **Fortress™** as well as the **SHIELD360°®** family of protection packages. From general-purpose solutions to those geared to harsh, high-pressure washdown environments, Sumitomo has a response that will meet your most stringent demands.

SHIELD360® Protection Packages

In order to resist high water pressure, humidity, acidity, and sanitary chemicals, Sumitomo Drive Technologies developed SHIELD360°® Protection Packages—a tri-layer coating system.

2-Part Epoxy Topcoat

2-Part Epoxy Color Coat

Quality Food Grade Components

We offer top of the line food grade components to accompany our speed reducers.

Cassette Seals

- Antimicrobial FKM material
- Spinning expels contaminants
- Self-contained and self-sealing

Optional Stainless Motors

- Totally enclosed stainless steel
- 100% paint free construction
- Double sealed ball bearings

Sumitomo has the reliable solutions to meet any demand.

The Solution: *Fortress*

With a comprehensive understanding of TCO, including a recognition of the need to mitigate risks to all, specifically in the F&B environment, Sumitomo developed Fortress. A cool operating stainless steel speed reducer designed to displace old inefficient worm gears.

Sumitomo Problem Solvers:

- Operates with 50% less efficiency loss
- Simultaneously operating at temperatures as much as 53% less than the average worm gear reducer
- Optimized kW per hour use
- Industry leading TCO solution
- Less lubrication oxidation and optimal oil viscosity

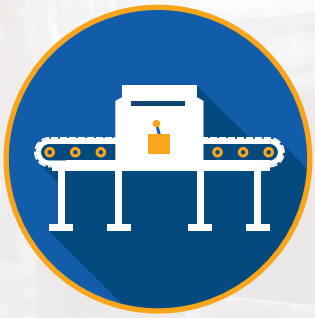
Conveyors

B H F

Palletizers

C B4

Process Equipment



C B4 HB F

OPTIDRIVE E3

Compliant with international standards.

GENERAL PURPOSE DRIVE

Compact, robust, and **reliable** general purpose drive.

Focused on ease of use, Optidrive E3 provides **unrivaled simplicity** of installation, connection, and commissioning, allowing the user to benefit from **precise motor control** and **energy savings** within minutes.

Available in **IP66/Nema 4X outdoor rating** with rigid polycarbonate plastics specifically chosen to **withstand degradation** by ultraviolet (UV), greases, oils, and acids. Also, robust enough not to be brittle at -20°C (-4°F).

- *150% Overload for 60 secs*
- *175% Overload for 2.5 secs*
- *98% Typical Efficiency*

FAST CONNECTION
5mm rising clamp terminals with captive screws.

KEYHOLE MOUNTS

QUICK REFERENCE
Integrated help card.

OPTISTICK SMART
A rapid commissioning tool that allows copying, backup, and the restoring of drive parameters.

DUAL ANALOG INPUTS

SPECS

HP RATING
Up to 350 HP (250 kW)

POWER OPTIONS
Single-Phase: 200-240V
3-Phase: 200-600V

TORQUE
Up to 200% (From Zero Speed)

ENCLOSURES

- IP20
- IP66 *Switched*
- IP66 *Non-Switched*
- IP20
- IP55
- IP66

INTEGRATED DISPLAY

LED multi-language text display.

INTEGRATED CABLE MANAGEMENT

PLUGGABLE CONTROL TERMINALS

FANS

High quality long-life fans.

OPTIDRIVE P2

HIGH PERFORMANCE DRIVE

High-performance **variable frequency drive** for standard induction and permanent magnet motors.

Its **user-friendly interface** and high performance make it perfect for tackling the most demanding applications smoothly.

Extensive I/O and communications **interface capabilities** ensure the drive can be **integrated quickly and efficiently** into a wide variety of control systems.

Dedicated Hoist Mode Operation with motor holding brake control makes it perfect for marine and elevator applications.

- *200% Overload for 4 secs*
- *98% Typical Efficiency*
- *Integral Brake Transistor*

Our factory capabilities support all of your gearbox needs.

Why Sumitomo?

Our 400 Year Heritage

The history of the Sumitomo Group started more than 400 years ago when Masatomo Sumitomo opened a book and pharmacy store in the city of Kyoto, Japan. Today, the Sumitomo Group consists of more than 20 companies who share the Sumitomo Emblem as well as many common values and ideals.

Devoted to Quality

In addition to one of the most comprehensive product lines of any power transmission company, we offer the most reliable and highest quality products available in the industry. Whether it's product development or manufacturing processes, our Quality culture resonates through our entire global network.

Committed to our Employees and the Community

We recognize our employees are our most valuable asset. They are the driving force behind our innovative products, our ability to support our customers, and our commitment to continuous process improvement. We strive to be a valuable member of society and take pride in the contributions we make to our communities across North and South America.

Dedicated to Innovative Manufacturing

With more than a century of expertise in manufacturing, our global capabilities are unmatched in the industry. We have manufacturing and assembly facilities on every continent and continue to make investments in our manufacturing technologies to maintain our position as a leader in innovation.

The most reliable and highest quality products backed by a 400 year heritage.

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.

Oakville, ON

Assembly, Sales Support
SM Cyclo of Canada, Ltd.'s Headquarters and assembly center in Toronto, Canada, provides a full line of reducers, motors, brake motors and Aftermarket services to the Canadian market.

Surrey, BC

Assembly, Sales Support
Canada's West Coast facility is located in Surrey, British Columbia. This newly located facility provides our full line of products and Aftermarket services for Western Canada.

Chesapeake, VA

Manufacturing, Support, Inventory
Our Western Hemisphere headquarters has 350,000 sq ft of manufacturing space, and cutting-edge technology. Centralized inventory distribution with a Foreign trade zone (FTZ), focused on inventory optimization and motor assembly.

Verona, VA

Industrial Gearbox Production
This purpose-built facility is specifically designed to handle the assembly of our large industrial gearboxes.

Glendale Heights, IL

Gearmotor Assembly and Support
Houses our state-of-the-art paint system for our SHIELD360® packages for Cyclo®, BuddyBox®, and Hyponic®.

Lufkin, TX

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

Corona, CA

Gearmotor Assembly and Support
Our West Coast location offers repairs and supplies gearmotor products to U.S. customers.