#### 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

\*\*\* Global Headquarters Tokyo, Japan

Sumitomo Machinery Corporation of America

www.sumitomodrive.com

For worldwide locations, please visit www.sumitomodrive.com/worldwide Contact your local representative at www.sumitomodrive.com/representative Tel: 1-800-SM-CYCLO (762-9256)





# Why choose Sumitomo Drive Technologies for Poultry applications?

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

# We Know Poultry

Governing sanitation bodies such as 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.



# **O CYCLO**<sup>®</sup> Overhead Drive

Unsurpassed by any other drive available in the market today.

- Torque dense, compact construction
- stainless steel motors

## **CYCLO**<sup>®</sup> 6000

- Cycloidal Technology
- Reliable Performance
- Maintenance-Free

# HYPONIC<sup>®</sup>

- 85% Efficiency
- Maintenance-Free
- Large Ratio Range



# **B4 CYCLO®** BBB 4

- Taper-Grip<sup>®</sup> Bushing
- Compact Design
- Multiple Output Styles



In order to resist high water pressure, humidity, acidity, and caustic environments, Sumitomo Drive Technologies developed the UltraSHIELD360°® package—a tri-layer coating system.

2-Part Epoxy Topcoat

2-Part Epoxy Color Coat

2-Part Epoxy Primer

# **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

#### Marathon Powerwash<sup>™</sup> Motors

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











• Dimensionally interchangeable with DVX drive • C-face motor adapters accommodate washdown and







- High Torque Ratings
- Long Life
- Universal Housings



- Cycloidal Technology
- Splash Lubrication
- Modular Design



# **MOTION** Control

- Accurate Positioning
- High Reduction Ratios
- Extremely Compact







# Maintaining high levels of sanitation and machine integrity can be challenging.

# The Challenge: Paint Failure

Facilities are operating longer hours and under harsh conditions to keep up with the demand from consumers. Given this greater focus, it is critical that the equipment utilized within a poultry processing facility is capable of withstanding long-term exposure without negatively impacting the performance or condition of the equipment.

#### **Equipment Problems:**

- Paint chips due to caustic environment •
- Compromised integrity leads to downtime
- Vulnerability to other environmental elements
  - Sub-standard lubrication •
  - Water exposure during washdowns
    - Non-food grade motor options

# We provide a complete package to protect your units from caustic environments.

# The Solution: *UltraSHIELD360*°®

Sumitomo Drive Technologies developed the UltraSHIELD360°® package to provide customers with three layers of protection on their speed reducers. This package enables facilities to maintain the increasing sanitation levels all while preserving the integrity of the unit. Sumitomo has a response that will meet your most stringent demands.

## Sumitomo Problem Solvers:

- Resistance to cleaning and sanitation compounds
- Longer product life and less unscheduled downtime
- Complete protection from dust, dirt, oils, and non-corrosives
- NSF H1 food grade lubricant, FDA 21 CFR compliant
- Food grade sealing solutions
- All stainless steel, totally enclosed motor

Defeathering Hatchery Receiving **Slaughter** Scalding CH **C** H B4 O **C B4 O C H B4 O** 0 Waste Conveyor Supply Conveyor **Overhead Conveyor** Defeathering **Picking Conveyor Overhead Conveyor Overhead Conveyor Overhead Conveyor** 



s me n-corrosives ant



## **Evisceration**

**By-Product Recovery** 



Evisceration Line Overhead Conveyor



Grinder Conveyor

# We meet the challenges that the poultry industry faces every day.

# The Challenge: Inefficiency

Poultry consumption continues to rise, driving up overall industry demand. Facilities are noticing more stress on their processors and machinery. With this increased demand, facility downtime would prove to be costly and harmful to employees and consumers. Your power transmission drives must deliver the highest level of reliability at the lowest possible life-cycle cost.

#### Inefficient / Outdated Equipment Problems:

- Low efficiency
  - Oil leakage
- Difficult to obtain parts / spare units
  - Frequent breakdowns
- Frequent maintenance and repairs
  - Complex power trains •

# Sumitomo has the reliable solutions to meet any demand.

# **The Solution:** Reliability

We manufacture a comprehensive lineup of speed reducers and gearmotors specifically designed to meet the needs of service in the poultry industry. With more than 50 years of experience, Sumitomo Drive Technologies can provide highly efficient, dependable solutions for the most difficult applications. Using our expertise, we have products suited for your industry's needs to deliver high quality poultry to consumers.

#### Sumitomo Problem Solvers:

- High efficiency
- Optional grease lubrication
- **Optional food grade lubricants**
- Compact, space saving designs
- Minimized facility downtime
- Drop-in replacement capabilities

Washing



**Overhead Conveyor** 



Freezers Conveyor



**Cutting Line Deboning Line** 



**C H B**4

# **Further Processing**





**C H B**4 Conveyor **Overhead Conveyor** 

## Packaging



**C H B4 MC** 

Palletizer Conveyor Industrial Robot Shrink Wrapping **Packaging Equipment** 



Support

### C H B4 PX MC

Pumps **Overhead Doors** Wastewater Treatment

# Our factory capabilities support all of your gearbox needs.

# Our team of engineers creates custom solutions and a variety of drop-in units.



# Field Services

For Your Convenience

Most of the services offered and customized training can be performed on location.

# Root Cause Investigation **(2**)

#### Product Support

Apply a wide range of approaches, tools and techniques to uncover the causes of your problems.

# Commissioning & Start-Up Services 🕗 The Key to Long Life

Our commissioning and start-up services ensure that your gearbox is deemed ready for service.

# **Product Support Group**

# **Repairs** Scheduled & Emergency Repair

Repair services for all your related gearbox needs and 24-72 hour turnaround to the original factory specifications and warranty using Sumitomomanufactured parts.

Extended warranty programs are available upon request.



# Inspection Reports 🗊

#### Data

Professional, industry leading inspection reports detail findings, and highlight repairs required to return your gearbox to like new condition.

Contact Product Support Group (PSG) at: phone: 757-485-3355 email: SMA.Service@shi-q.com

# **Special and Drop-In Units**

# Special Units 🗘

Custom Needs Require Custom Service

For non-standard gearing and custom ratios, Sumitomo offers special customized units to fit in any application. From custom paint to intricate gearbox cooling systems, our team of engineers will make sure all of your custom gearbox needs are met.

With the right information, Sumitomo has the capability to meet all of your gearbox needs.

# Drop-Ins O We Retrofit, You Drop-In

Sumitomo offers special customized units to fit in an array of existing applications. Additionally, Sumitomo offers drop-in gear drives to upgrade and replace obsolete units. From fabricated steel housings, to custom baseplates, Sumitomo can offer installation ready units that reduce your downtime and eliminate the need to re-engineer your system.

Sumitomo has exceptional engineering and factory capabilities to support you on your gearbox needs.

# CycloSmart<sup>®</sup> Condition Monitoring System





Sumitomo offers same day, 1-day and 2-day shipping on many of our standard products. For more information about Quick Ship, please consult your Sumitomo representative. www.SumitomoDrive.com/QuickShip



Provides predictive maintenance by notifying customers—via local ethernet or broadcast—if the machine needs attention. CycloSmart<sup>®</sup> increases machine uptime, enabling customers to schedule convenient maintenance for their facility. For more information: www.SumitomoDrive.com/CycloSmart



# We offer a comprehensive lineup of reliable Our Centers of Excellence offer customers and high A quality power transmissions.

# 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.



# **Chesapeake**, VA

**Manufacturing & Product Support** Western Hemisphere headquarters with 250k sq ft of manufacturing space, and one of the largest bridge mills in the U.S. Recipient of "The Best Overall Company in Hampton Roads Award."

#### **C H B4 B5** (HB) (HS)

# Suffolk, VA

**Centralized Inventory Distribution** Foreign trade zone (FTZ), focused on inventory optimization and distribution to the Western Hemisphere.



**Small Gearmotor Production** Centrally located in the heart of America. Supplies Cyclo<sup>®</sup>, Hyponic<sup>®</sup> and HSM products to U.S. customers.

## 

## **DOE Compliant**



Sumitomo offers premium efficiency integral motors. To maximize their performance, a host of advanced features has been developed to provide tangible benefits to OEMs and End Users.

# Verona, VA

Industrial Gearbox Production Specifically designed to handle the assembly of large industrial gearboxes.



# **Glendale Heights**, IL

**Gearmotor Assembly and Support** Houses our state-of-the-art paint booth for our SHIELD360<sup>®</sup> packages for Cyclo<sup>®</sup>, BuddyBox<sup>®</sup> and Hyponic<sup>®</sup>.

**B5 HB ()** 

# Corona, CA

**Gearmotor Assembly and Support** Our West Coast location supplies Cyclo<sup>®</sup>, BuddyBox<sup>®</sup> and Hyponic<sup>®</sup> products to U.S. customers.

