



## 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
- SERVICE
- ▲ REGIONAL SALES OFFICE



Global Headquarters,  
Tokyo, Japan

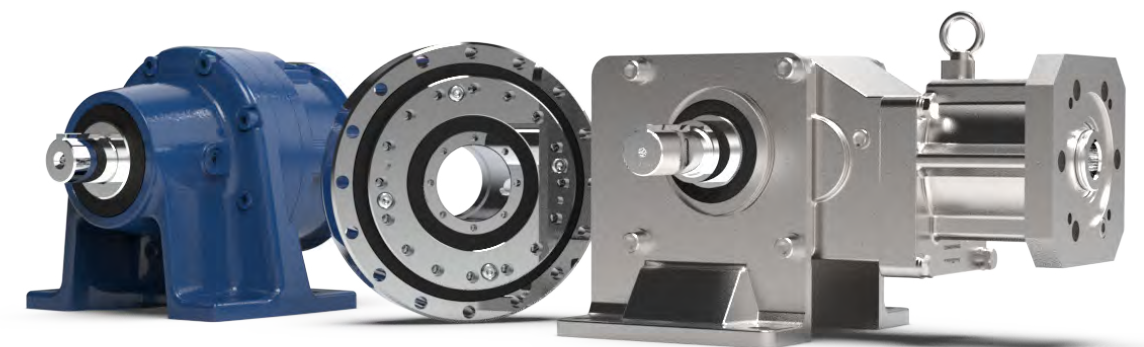
Sumitomo Machinery Corporation of America

[www.SumitomoDrive.com](http://www.SumitomoDrive.com)

For worldwide locations, please visit [www.sumitomodrive.com/worldwide](http://www.sumitomodrive.com/worldwide)  
Contact your local representative at [www.sumitomodrive.com/representative](http://www.sumitomodrive.com/representative)  
Tel: 1-800-SM-CYCLO (762-9256) 01.086.51.002 Motion Control Brochure 2021



## Precision and Advanced Gearboxes



Sumitomo Drive Technologies

We offer a comprehensive lineup of high quality motion control gearboxes.

For any of your motion control needs, we have the right product for you.

## We know Motion Control

Lifestyle in general has always been changing because of the fast development of information technologies. Internet, social media, online shopping, video on demand, smart phones, and a high level of connectivity speed up our lives. Products need to be available everywhere and at any time. This has a strong influence on the development of high-speed logistic systems and infrastructure such as factories, storage, ports and terminals, railroads etc. In the industrial sector, the development of Industry 4.0 has greatly changed machine and plant engineering in recent years.

The industrial world is increasingly entering an era of automation and labour savings. Companies that want to remain competitive need to optimize their operational and manufacturing processes. Robots, machine tools, and automated factories must be flexible, fast, and individual. This trend to automate all processes even affects the development of modern health equipment. Speed and precision is key. Most industrial processes need high performance precision drives with low and zero backlash.

Sumitomo Drive Technologies understands these growing challenges and offers a comprehensive range of products for high performance tasks. We support our customers with the creation of tailor-made differentiating solutions.

## 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

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.



### Glendale Heights, IL

Houses our state-of-the-art paint system for our SHIELD360° packages for Cyclo°, BuddyBox°, and Hyponic°.



### SCG

State-of-the-art facility where precision drives, standard drives, and custom drive solutions are developed, manufactured, and assembled.



### SHI-Obu

Global Sumitomo Power Transmission Control Manufacturing Headquarters. The Nagoya factory has been manufacturing the CYCLO° Reducer, Fine Cyclo, as well as other reducers and motors, since it began operations back in 1961.

## Precision Gearboxes



### FC FINE CYCLO®

- Zero backlash Cycloidal
- Up to 138mm (Hollow Bore)
- Up to 265,522 N·m (30,000 lb·in)
- 29:1 up to 283:1



### EC ECY

- Zero Backlash Strain Wave
- Up to 25.5 mm (hollow bore)
- Up to 284 N·m (momentary torque)
- 50:1 up to 100:1

## Advanced Gearboxes



### C SERVO CYCLO®

- Up to 4,000 RPM Input Speed
- Up to 603,000 N·m (68,130 lb·in)
- 3:1 up to 658,503:1
- 1/2in to 7in (Output Shaft)



### H SERVO HYPONIC®

- Up to 3,600 RPM Input Speed
- Up to 13,100 N·m (1,480 lb·in)
- 5:1 up to 1,440:1
- 3/4in to 2in (Output Shaft)



### B4 SERVO BEVEL BUDDYBOX

- Up to 4,000 RPM Input Speed
- Up to 159,983 N·m (18,076 lb·in)
- 11:1 up to 26,000:1 and greater
- 1in to 4-15/16in (Output Shaft)

# Precision Gearboxes

For over 30 years, Sumitomo Drive Technologies has been providing reducers which excel in applications where you demand precise positioning and zero backlash, such as the robotics, automation, machine tools, and medical industries.

## Fine Cyclo

- Single and Double Stage Options
- Clamp Ring and Keyed Hollow Bored Options
- Highest Torque Density
- Zero Backlash
- High Inout Speed
- Low Moment of Inertia

## ECY

- Unique Strain Wave Design
- Light Weight
- Highest Torque Density
- Zero Backlash
- High Input Speed

# Advanced Gearboxes

Sumitomo Drive Technologies is a global industry leader in Power Transmission gearing. We are taking that same quality, ruggedness, and commitment to the customer and adapting our standard backlash reducers. These gearboxes have been redesigned for advanced servo mechatronic systems. These gearboxes excel in applications where you demand reliability and consistency such as the material handling, warehouse, Food & Beverage, and the Autonomous Guided Vehicle (AGV) industries.

## Industries

Aerospace



Food and Beverage



Machine Tool



Packaging



Medical



Communications



Material Handling



AGV



## Applications

Pick and Place



Robotics



Gantry



Conveyor/  
Accumulator



Backstop  
Positioning



Robot/Material  
Transfer



Antenna  
Positioning



Material Storage/  
Racks

