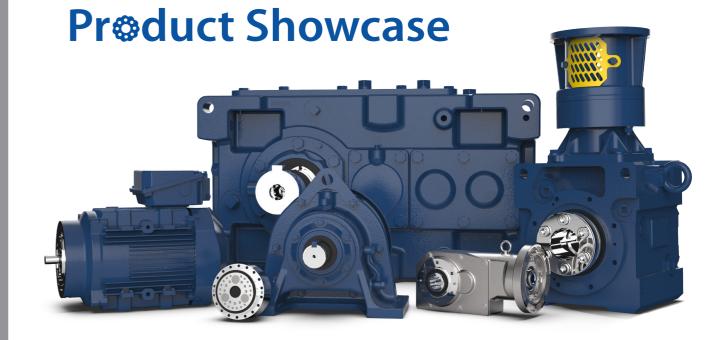


For worldwide locations, please visit www.sumitomodrive.com/worldwide Contact your local representative at www.sumitomodrive.com/representative SCA/AP/APFPS.01/2023.08



Asia Pacific Corporate Profile





Shaping the future together with Lafert Group and Invertek Drives

Sumitomo Drive Technologies

The Sumitomo Group began more than 400 years ago when Masatomo Sumitomo opened a book and medicine store in the city of Kyoto, Japan. Over the next 100 years, the Sumitomo family developed a leading presence in copper refining, which led to the family opening the Besshi Copper Mine. The Shikoku Besshi Copper Mine first opened in 1691, it was developed on the lopes of the Akaishi Mountain range in Ehime Prefecture. The mine operated for 283 years and substantially underpinned Sumitomo's development.

Co., Ltd. to manufacture machinery for the steel and transportation industries to support rapid economic growth.

In 1969, Sumitomo Machinery Co., Ltd. merged with Uraga Heavy Industries Co., Ltd to create Sumitomo Heavy Industries, Ltd. The company continues to innovate and expand to meet the demands of new market frontiers. Today, Sumitomo Heavy Industries manufactures injection modling machines, laser systems, semiconductor machinery and liquid Crystal production machinery.

In 1888, a company was formed to In 1939, Sumitomo Heavy Industries provide equipment repair services to started manufacturing Cyclo® Drives the Besshi copper mine. Almost 50 with technical collaboration with CYCLO years later, in 1934, the company was Getriebebau Lorenz Braren KG of Germany. incorporated as Sumitomo Machinery This marks the birth of Sumitomo Drive Technologies.

> In 2003, "Sumitomo Drive Technologies" was officially launched by Sumitomo Heavy industries as a global brand name to bind its power transmission business. Since then, Sumitomo Drive Technologies continues to lead the world in knowledge and innovation in power transmission and control devices.

Shaping the future together

In 2018, Lafert Group joined SHI to complement our electric motor protfolio, and in the following year, 2019, Invertek Drives joined our variable frequency drives portfolio.

The 400-year heritage of the Sumitomo Group providing reliable solutions to the industrial market, along with the reputation of Lafert Group and Invertek Drives, reinforces the innovative spirit of Sumitomo Drive Technologies through this truly robust global presence.

"Shaping the future together" is a powerful statement which sets a long-term goal and represents the ideal to which we aim with the union of these three major companies.

Our aim as a global organization is to look ahead and embrace innovation by listening to each other and our customers; thereby building new prosperity and imagining an ever better future for everyone.

Shaping the future together



www.SumitomoDrive.com | www.Lafert.com | www.InvertekDrives.com



inspired by the values of sustainable development

Our Corporate Social Resposibility

We are all guardians of the planet and environment that we live and work in. As individuals and business we have consibility for the first work in the state of the planet and environment that we live and work in the individuals and business. We have consibility for the first work in the planet and environment that we live and work in the individuals and business.

Our mission is to contribute to solving social, environmental, and industrial problems through the development and optimization of drive technologies.

We are doing this through our commitment to sustainability via the goals of People, Planet and Prosperity to realise the vision of global economic, social and environmental sustainability.

ecovadis





SHI received a Silver Rating in its latest Sustainability Assessment by EcoVadis, an international ratings provider.

Sustainability, the environment and our responsibility

As a business, we have a responsibility for the sustainable and fair future of our communities. Solving social and environmental issues is a duty of our generation. Sumitomo Heavy Industries, Ltd (SHI) and our people, products, and services play a crucial part in this.



Planet

We are one world socially, economically, and environmentally. Our mission is to safeguard it for future generations through the development of sustainable systems and technology.

Prosperity

We will support the development of prosperity and success for all through responsible and sustainable means.

People

Our aim is to create a sustainable and inclusive environment, socially and economically, for all.



We offer a comprehensive lineup of high quality power transmission products.

For any of your power transmission needs, we have the right product for you.

Robust, Reliable, Efficient



G CYCLO® 6000

- Up to 175 kW
- 14mm to 180mm (Solid Shaft)
- Up to 68,130 N•m
- 3:1 up to 658,503:1



HYPONIC®

- Up to 11 kW
- 15mm to 55mm (Hollow & Solid)
- Up to 1,480 N•m
- 5:1 up to 1,440:1



B4 CYCLO® BBB 4

- Up to 75 kW
- 55mm to 120mm (Hollow & Solid)
- Up to 18,076 N•m
- 11:1 up to 26,000:1 and greater



No Matter the Application

MOTION Control

- Zero mechanical backlash
- Up to 138mm (Hollow Bore)
- Up to 30,000 N•m
- 29:1 up to 283:1



⊞ CYCLO® HBB

- Up to 30 kW
- **40mm** to **100mm** (Hollow Bore)
- Up to **8,564 N•m**
- 11:1 up to 26,492:1



HS HELICAL Shaft Mount

- Up to 224 kW
- **015** to **608** (Hollow Bore)
- Up to **43,938 N•m**
- 5:1, 13:1, 20:1, 25:1



INVERTEK E3 & P2

- Up to 250 kW
- 200 to 600V
- Up to 200% Overload (4 secs)
- P2: Up to 200% (From Zero Speed)



BBB-H

- Up to 11 kW
- **40mm** to **55mm** (Hollow)
- Up to 1,020 N•m
- 5:1 up to 20:1



PREST® NEO

- Up to 2.2kW
- Up to 1230N·m
- 3:1 up to 200:1



PARAMAX® 9000

- Up to 3,900 kW
- **58mm** to **360mm** (Hollow & Solid)
- Up to 552,000 kN-m
- Up to 500:1 Standard



P4 HANSEN P4

- Up to 10,500 kW
- 80mm to 400mm (Solid Shaft)
- Up to 1.1m N•m
- Up to 630:1 (and custom ratios)



S SEISA

- Up to **61,000kW**
- Up to **54,000rpm**
- ~5,000,000 **N•m** and more



Helical Shaft Mount

Provides a simple and convenient equipment interface by mounting directly on the drive shaft. Uses our patented Taper-Grip® Bushing for quick reducer mounting and removal.

Torque: Up to 43,938 N•m Ratio: 5:1, 13:1, 20:1, 25:1 Power Rating: Up to 224 kW

Rhytax®

Right-angle shaft speed reducer. Helical gearing provides low noise and high efficiency in a compact body. It has enhanced optional installation methods: foot, flange, and hollow shaft.

Torque: Up to 8,450 N·m
Ratio: Up to 545:1
Power Rating: Up to 45 kW



Altax®

Using our Cyclo® technology, the exceptionally robust Altax® line is compact and low noise. All models are maintenance free with grease lubrication. Altax® caters to a broad range of applications.

Torque: Up to 458 N·m
Ratio: Up to 1,003:1
Power Rating: Up to 3.7 kW

Custom Gear Drives

Custom Mill, Planetary, and High-Speed Drives available in a wide range of configurations. Tough, compact, and application specific designs for unique applications including API requirements.

Torque: Up to 736,000 N•m
Ratio: Up to 1,400:1
Custom ratios available

Variators

Beier® Variator offers mechanical stepless speed control with high capacity and long life. Ideal for low horsepower, high torque applications requiring variable speed such as packaging machines.

Torque: Up to 68,200 N·m Speed Range: Up to 10:1 Power Rating: Up to 150 kW

Couplings

Complete line of couplings for a wide range of applications. All couplings are manufactured to the highest specifications, and meet the most rigorous material specifications.

Torque: Up to 6.4m N•m
Bore Size: Up to 900mm
Type: Flexible, Grid and Disc

Additional Services



Online product configurator streamlines the selection process, enabling *you* to build our power transmission products for your specific application.

www.SumitomoDrive.com/Configurator









• F-Flange





Free Shaft

Shovel Base

C-Face Motor

Integral Motor







INPUTS

































The Sumitomo Hyponic® gearing represents over **25 years of hypoid gearing excellence**. With millions of Hyponic® units currently in service, the product features a compact, modular housing, maintenance-free grease lubrication and boasts a **gear efficiency of up to 93**% across all ratios.

The maintenance-free grease lubrication enables the unit to be mounted in any orientation without custom modifications. In addition to general-purpose solutions, with multiple food grade options, Hyponic® is perfect for harsh, high-pressure wash-down environments.

Simplify your gear drive assembly and increase efficiency by switching to Hyponic[®].





Supported by two bearings for long

life, the quill style motor adapter allows for maximum motor flexibility.

C-FACE QUILL



TORQUE Up to 1,480 N•m



























































DUCTILE IRON HOUSING

Twice as strong as cast iron, making it one of the most rugged bevel gearboxes on the market.

OPTIONAL TACONITE SEAL ASSEMBLY -

Heavy-duty, fortified, grease purgeable system withstands the most demanding applications.



TAPERED BEARINGS Resist axial and radial loads

simultaneously.

TANDEM DUAL LIP SEALS

Prevent leaks and exclude contaminants.



B4 CYCLO® BEVEL BUDDYBOX® 4

RIGHT ANGLE SPIRAL BEVEL WITH CYCLO® OR PLANETARY INPUTS

A robust, state-of-the-art, mid-sized family of speed reducers and gearmotors. The Cyclo® BBB4 has a unique combination of features that result in a highly reliable, efficient, and durable gearbox. The all-steel internal construction, Cyclo® or planetary gear inputs and the ductile iron housing, provide unmatched ruggedness.

Also available as a mixer drive with an integrated drywell and space-saving footprint.













BEARING



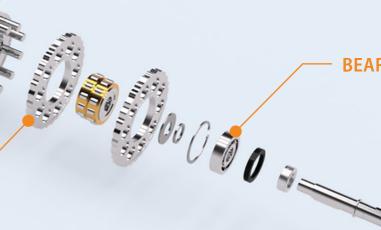
ONE PIECE PINION

Oversized, single-piece pinion provides a robust solution capable of 300% momentary shock-load. Designed and manufactured in the USA.



100% HARDENED STEEL COMPONENTS

Provide long life, smooth operation, and superior strength.



CYCLO® DISC

All rotating components are manufactured from fully hardened, vacuum degassed bearing-grade steel, for consistent, reliable performance.



























HB CYCLO® HELICAL BUDDYBOX®





LONG LIFE BEARINGS

Oversized, heavy-duty bearings for maximum strength and service life.



HELICAL GEARING

Hardened-steel gearing.

INNOVATIVE SHAFT MOUNTED DRIVE SOLUTIONS FOR DEMANDING APPLICATIONS

The Cyclo® HBB combines the quiet, efficient, and reliable performance of the Cyclo® input with the rugged helical gear output. The modular design provides a compact, efficient product and the most flexible range of output speed and torque combinations available.

The simple splash lubrication system extends the life of the unit and the highly efficient design has no thermal **limitations** which eliminates the need for an external fan.

MONOBLOC HOUSING

Cast iron housing is strong, corrosion resistant, and sound dampening. Monobloc design eliminates leaks at housing split.

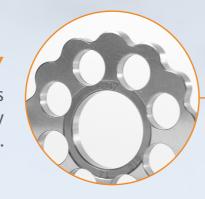
DOUBLE OUTPUT SEALS

TAPER-GRIP BUSHING®

Our patented Taper-Grip® bushing system offers simple shaft mounting and provides self-aligning, backlash-free torque transmission to the driven shaft.

CYCLOIDAL TECHNOLOGY

Utilizes all Cyclo® input modifications to produce high ratios in amazingly small spaces.









HIGH SPEED SHAFT









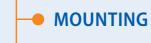


Multiple lip, harsh duty, and food-grade designs available to prevent leaks.

























BEVEL PINION & HELICAL GEARING

A combination of power and speed. Up to 97% gear efficient across all ratios providing a smooth, quiet operation which does not require a cooling fan.



Single-piece all steel bevel pinion for longer life. Lasts millions of cycles without measurable wear.





BH BEVEL BUDDYBOX® H SERIES

EXTREMELY EFFICIENT AND COMPACT WITH LOW REDUCTION RATIOS

The combination of a **Bevel Input** and a **Helical Output** make this unit **extremely efficient** with the capacity for input speeds up to 3,600 rpm. Dependable hardened steel gearing inside a lightweight, compact housing allows for easy installation with less load on the head shaft. Aluminum construction provides high thermal capacity.

The maintenance-free grease lubrication enables the unit to be mounted in any orientation without custom modifications. The **greater efficiency** of the BBB-H allows for use of a **smaller motor**, resulting in the same performance with much lower operating costs. Its power and speed make this unit perfect for airport baggage handling and general conveying applications.

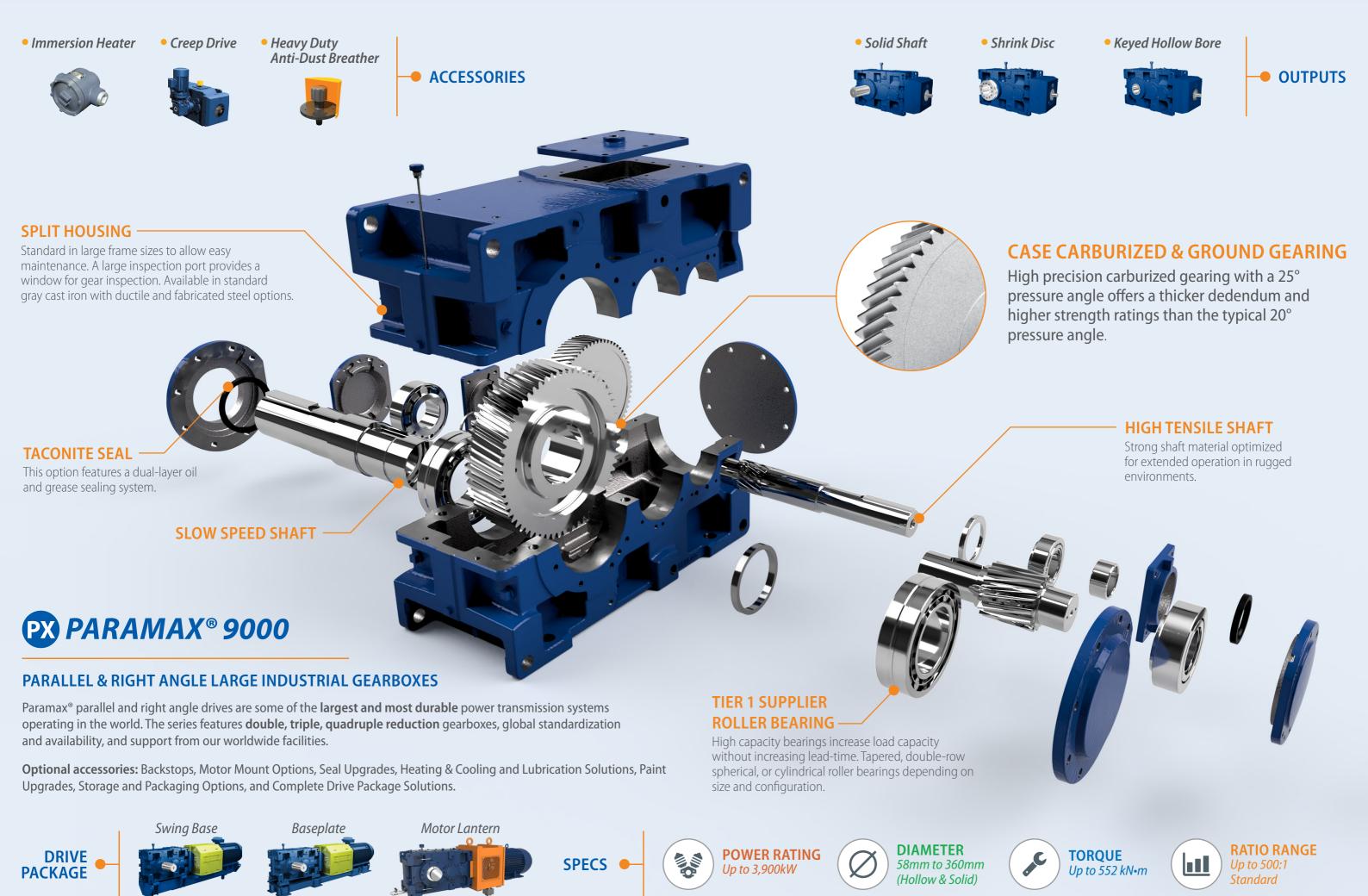












Hollow Shaft - Shrink Disc

Normal Solid Shaft

Extended Bearing

Pilot or Flange Mount

Hollow Shaft











Hollow Shaft - Keyed Oversized Solid Shaft

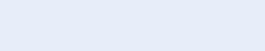
Extended Bearing Housing

VERTICAL SHAFT **OPTIONS**









P4 HANSEN P4

SPLIT HOUSING

Rugged, split housing for horizontal and vertical applications. Round housing tops help keep the unit free from debris.

GEARS -

High torque geometry in low-speed gears. Low-noise geometry in highspeed gears.

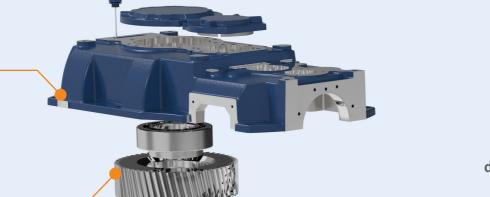
PINION SHAFTS

Rigid standardized pinion shafts and housings for better lateral load distribution.

SLOW-SPEED SHAFT -

Shaft projections include captured keyways with rounded end key inserts to eliminate stress concentrations.

Exceptional construction ensures bearings are lubricated at start-up to

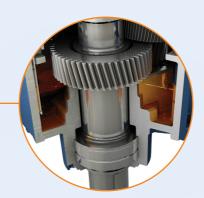




The Hansen P4 multi-stage gear unit is market leading in quality and technology, excelling in reliability and durability. The rugged housing, along with our commitment to innovating state-of-the-art technology, provides remarkable power and performance.

The unique Oil-Lock™ system offers a maintenance-free seal on high speed shaft extensions, designed to keep the oil in and dirt out.

Optional accessories: Backstops, Motor Mount Options, Multiple Sealing Upgrades, Various Heating, Cooling, and Lubrication Options, Heavy Duty Paint or Packaging Options, and Complete Drive Package Solutions.



INTEGRATED DRYWELL

Cast into 3 and 4 stage vertical housings mean this option provides a truly leak-proof lowspeed shaft.

HIGH-SPEED SHAFT

Extra long high-speed shaft projections suitable for interference-free coupling connections.

INTERNAL HOUSING

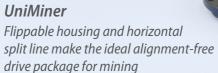
maximize reliability and life.



MAINTENANCE-FREE OIL-LOCK®

Standard high-speed seal arrangement.







SPECS





DIAMETER 80mm to 400mm (Solid, Heavy-Duty, and Hollow)



TORQUE Up to 1.1 million N•m



OPTIDRIVE E3



• IP20



IP66

Non-Switched









Non-Switched



ENCLOSURES

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 tough 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).





INTEGRATED DISPLAY

LED or 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.

A 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 make it perfect for marine and applications.









Retro-Fit units with transition bases allow us to match your existing footprint.

Custom drop-in units made to match existing unit's critical dimensions.



Retro-Fits and Drop-Ins

Whatever your requirements, we have a solution for you. Sumitomo Drive Technologies offers customized bases which allow our units to match the footprint of an array of existing applications and drop-in gear drives to upgrade and replace competitor units.

With a wide range of options, our engineers can replace your unit with minimum impact while delivering a premier product with performance and reliability.

Retro-Fit

Match existing footprint

A custom transition base will position the new low-speed shaft to be in the EXACT same position as the original low-speed shaft. Our retrofits provide an excellent balance between the cost savings of a standard gearbox and the benefits of minimal on-site modifications.

Typically, only relocating the motor mount is required for this option. We offer motor mounting options to help minimize the impact of relocating the motor mount, such as flanged motor adapter for c-face or d-flange motors.

Options might include a special low-speed shaft diameter or length and motor lantern.

The red circles in the diagram represent the existing bolt pattern of a customer's unit. The transition base is fabricated to match the height, ensuring alignment of the low-speed shaft to the machine shaft.

Drop-In

Match existing unit's critical dimensions

With downtime being such a critical factor in your operation, let us install one of our custom drop-in units.

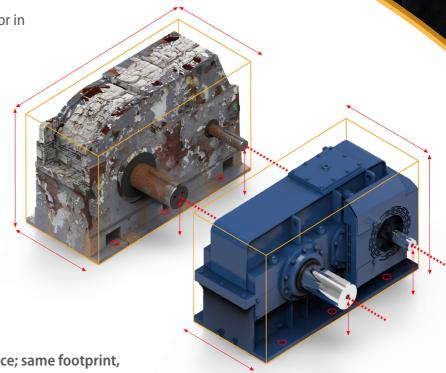
Installation-ready units are designed specifically to drop-in to existing applications with ease. Our expert engineers understand that on-site modifications or re-engineering your system is not always an option.

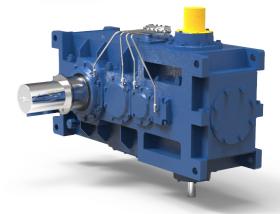
These stress-free units can have your application back up and running in no time. We offer fabricated steel housings, custom baseplates, custom gearing and shafting and more!

This product will literally drop-in to place; same footprint, same shaft positions!

Specialty Units

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





Our factory capabilities support all of your gearbox & gearmotor needs

Connect with us

Aftermarket

Our personnel are the industry's most versed gearbox problem solvers. We provide both standard and tailored services, for maximum gearbox life.

Experts in Service

Global Support, Local Service

With a vast network of engineers and gearing experts, there is no problem we can't handle.

In addition to our extensive network, our Manufacturing and Services provides unmatched capabilities and expertise in the area of custom gearbox repair and service. No gearbox is too big for us to handle.

Whether custom gear manufacturing or on-site gearbox repair, let our team keep your operation running.

Scan us

Our various platforms offers informative information for your various needs and knowledge. Learn more about our product? Download our available resources? Or simply connect with us both online or offline? Scan them here any time.



SumiShowcase Interactive Showcase



Website One-stop information and more about us



Product Collaterals Brochures, catalogues, manuals and flyers



Tradeshows Upcoming APAC Tradeshows

Root Cause Investigation

Scheduled & Emergency Repair

Product Support

manufactured parts.

Repairs 🤣

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

Repair services for all your related gearbox needs

and 24-72* hour turnaround to the original factory

Extended warranty programs are available upon request.

specifications and warranty using Sumitomo-

Field Services (1)

For Your Convenience

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

Social Media

Connect with us on our social media pages



YouTube



LinkedIn



Facebook

web: SumitomoDrive.com



Worldwide Facilities

Worldwide Manufacturing Operations

As a global leader of power transmission and control, Sumitomo Drive Technologies have established manufacturing facilities at strategic locations worldwide to cater to our customers needs.



The State-of-the-art facility near Ngoya is the is the manufacturing centre for our flagship Cyclo® Drives, Beier® Variators, High Precision Gears and all geared motors. The R&D Centre is equipped with our customer's requirements.



SEISA Gears Ltd, a wholly owned subsidiary of extensive product performance testing laboraties and Bevel gears for cement, coal, steel, power, and is continuously developing products to meet turbines, pumps and other industries, usually in



SHI, is a merger between Osaka SEISA Chain Manufacturing Ltd and SKK UEDA Gears, Ltd. This facility in Osaka manufactures Planetary, Helical the range of Mega Newten-meter torque capacity. Couplings and SKK range of geared products are also manufactured here.



This facility is the manufacturing hub for our Paramax®, Helical and Bevel gearboxes as well as other special gear products. It is responsible for th edesign and development of not only standard drives such as cooling tower drives, extruder drives, crane drives etc. Custom-built gearboxes are also developed and manufactured here.

Belgium - Edegem



Sumitomo Heavy Industries Ltd acquired Hansen Industrial Gearboxes NV (HIT) in 2011. Hansen, a renowned industrial gearbox designer and manufacturer since 1939, has a strong in-house R&D operations maintaining HIT's technological leadership in industrial gearboxes. This facility in and gearboxes serving a wide range of industrial applications throughout the world.



Sumitomo's European operations have their roots in Germany when in 1931, the inventor of CYCLO® speed reducers, Lorenz Braren, formed Cyclo Getriebebau GmbH. This facility in Munich is both a manufacturing facility and a Research and Development centre in Europe.

Vietnam - Hanoi



Established in 2005, this is the sixth manufacturing plant outside Japan. Strategically located in the growth region of South East Asia, the plant supplements our supply chain system by ensuring uninterrupted supply of small gearmotor products (Hyponic[®], Prest Neo, Altax[®] etc) and electric Edegem continues to manufacture Hansen® gears motors to our sales and assembly facilities around

China - Tangshan



Sumitomo Heavy Industries (Tangshan), Ltd. caters to the growing Asia region since 2009. Situated in an area of 100,000 square meters, this facility is the base for development, production, sales and after-sales for Paramax®, Helical and Bevel gearboxes, Compower® planetary gearboxes and other SEISA products. All manufacturing processes are controlled in-house with Japanese experts ensuring quality products and services.

USA - Chesapeake



This facility in Chesapeake is a manufacturing hub for the North American markets. Together with market leader in the Americas.

Brazil - Itu



This \$83million futuristic facility in Itu, a major industrial area in São Paulo, Brazil, manufactures other assembly and stock facilities in the USA, and assembles Paramax® and Hansen® gearboxes Canada and Mexico, this hub strive to remain the for North and South America markets. The facility has in-house machining, milling, gear cutting, grinding, surface treatment, testing, assembly, and quality control facilities.

Asia Pacific Facilities

APAC Operations

Our assembly and service centres are strategically located in the Asia Pacific region and places us in closer touch with our customers. All our facilities are capable of providing fast delivery and engineering support.

Singapore (HQ)



Our Asia Pacific HQ in Singapore provides marketing, engineering and inventory support to all subsidiaries and customers in the region. With the largest assembly and stock centre in the region, customer's requirements are attended to quickly. We also serve emerging markets countries such as Bangladesh, Mongolia, Laos, Myanmar, Sri Lanka, Cambodia and Pakistan.

Thailand - Chonburi



This assembly plant in Chonburi serves our customers in the Kingdom with quick delivery of products, spare parts as well as repair and engineering services. With extensive Sales offices locations throughout Thailand in Bangkok, Khonkaen, Lampang, Songkhla, Surat Thani and Nakornratchasrima, our Salespersons are at closer reach to our customers.

Australia - Sydney



Established after the merger with Hansen Australia to form Sumitomo (SHI) Hansen Australia, this facility has served engineering, service, stock and assembly centre operations at Glendenning. Together with the new service centre at Mackay and satellite sales offices at Brisbane, Hunter Valley, Melbourne and Perth with dedication to serve our customers needs across the country.

Indonesia - Cikarang



With established sales, engineering and service centres in this facility, stocks, assembly and after sales service support capabilities are able to cater to the growing market in the country. Including Java, we have sales offices at North Sumatra, East Kalimantan and Central Kalimantan to bring our services closer to every region in Indonesia.

Malaysia - Shah Alam



A 33,000sqft ESC facility near Kuala Lumpur, this facility is equipped to stock and assemble from small gearmotors to large gearboxes to serve our customers in the Electronics, Packaging, POM, Rubber, Material Handling and Mining industries. With sales offices spanning from our assembly centre here in Shah Alam, to sales offices in Johor Bahru, Penang and Sabah, serving wide industries.

Australia - Mackay



Our newest office addition to the Asia Pacific region, this service centre factory is located in Central Queensland and boasts the ability to overhaul and repair gearbox units back to their original OEM specifications. Alongside with Sydney's operation, both facilities strives to be in service for local

Philippines - Manila



A fully equipped Cyclo Centre and assembly plant in Manila, with just one sales office in Cebu, serving and catering to the country's engineers for diverse industries including needs across various industries. Despite few F&B, Cranes & Hoists, Animals & Livestock, facilities in the country, our brand stands Power, Mining, Cement and Material Handling impressively strong here.

Vietnam - Ho Chi Minh



Our sales and service facilities in Ho Chi Minh and Hanoi are supported by well-trained industries.

Scan for our facilities address & contact