



AVSLD International Pte Ltd

Your Solution Partner in Power Transmission

<http://www.avsl.com.sg>

**POWER
TRANSMISSION
SOLUTIONS
FOR VARIOUS INDUSTRIES**



Gear Reducers / Gear Motors



Safety Brakes & Rectifiers



Induction Motors



Frequency Inverters

FOR VARIOUS INDUSTRIES



Safety Brakes
& Rectifiers



Gear Reducers
Gear Motors



Induction
Motors



Frequency
Inverters

Company Brochure

▪ COMPANY

Established in 2013 and base in Singapore, **AI** specializes in the field of **Power-Transmission**. We possess the expertise to solve your needs with the extensive range from our partners of renowned manufacturers.

Partnering renowned manufacturers of power transmission products from Europe & Asia, **AI** aims to provide power transmission solutions to various industries. Our specialties are: Safety Brakes (PRECIMA); Induction Motors & Frequency Inverters (TECO); & Gear Reducers of various renowned brands (EUROPE & ASIA). In **AI**, we provide our customers with value-added services such as technical and consultation support from torque calculations, product selections to making sure of their satisfaction until our jobs are accomplished.

Philosophy

Our MISSION :

– to contribute our expertise and create value for the mutual benefits of both our clients and our company.

Our POLICY :

– to provide satisfactory services and deliver reliable & credible products to our clients.

Our SERVICES :

– direct technical assistance from torque calculations, technical sizing to recommendations of suitable products to meet the challenges of new applications.



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PRODUCTS

PRECIMA (Germany) Spring-Applied Electromagnetic Safety Brakes & Rectifiers

PRECIMA Magnechnik GmbH develops and produces a wide range of electro-magnetic operated brakes and clutches for all kinds of applications in machine and other industries. The standard range of products covers a performance scope of braking torques between 0.5 and 1,600 Nm.



Precision as passion
Electromagnetic - Clutches and Brakes



With advanced CNC machining technology and well-organized assembly lines, **PRECIMA** produces more than 600,000 units per year. The provision of high rate of self manufactured parts, with a maximum of flexibility, allows for short response times. Highly qualified and experienced engineering and development departments are specialized in producing customized brake solutions on a very high technical and economic standard.

FDB Solid Safety Brakes



Since many years our FDB brake has a name as absolute reliable brake for use in almost every application. As standard this brake is available in 10 different sizes for static or dynamic braking with re-settable air gap design. Due to several variations and options, this brake series are preferred by motor manufactures for universal use.



FDW Dust & Waterproof Safety Brakes



Through its body design, FDW is a fully encapsulated (IP 66) brake sealed from outside influence. These solid industrial brakes, available in 9 sizes, are used for outdoor applications and in aggressive environment. Very easy assembly through fixed air gap.





FDX Seawater Resistant Safety Brakes

Our new FDX Series stands for encapsulated, solid IP 67 brake which is designed for the use in very rough environments like offshore or sea climate.

All parts are manufactured from very tough and strong materials and designed to permanently protect the inside functional parts of the brake from outer influence like heavy seas or salt.



FDD Noise-reduced Double Safety Brakes

FDD double brakes are two specially designed low noise brakes working independent from each other meeting high demands of safety.

As option (M) a micro-switch monitors the function of each brake. The design homologation in accordance with EN 81 and BGV for elevator brakes has been granted. As standard the brakes are equipped with a special one hand operated manual hand release and tapped holes for tacho or encoder mounting.



Full-Wave, Half Wave & Fast Excitation Brake Rectifiers



PMB = Bridge (or Full-Wave) Rectifier

PME = Half-Wave Rectifier

PMG = Fast Response Rectifier

These compact modules have been specially designed to be fitted into the terminal boxes of electric-motors.

The PME half wave rectifier which halves the supply voltage (45% of the supply voltage) is the most cost effective.

The PMB full wave bridge rectifier produces a smooth DC voltage (90% of the supply voltage).

Both rectifiers are available for switching on AC or DC side.

Varistors in the input and output protect the rectifiers from surge voltage.

The PMG fast excitation rectifier is recommended whenever short release time or low dissipation is required. It combines the benefits of the half wave and bridge rectifiers.



MOTOVARIO Geared Motors

Motovario (ITALY) provides technologically advanced solutions in the transmission components field for industrial and civil applications worldwide. The Motovario corporate philosophy aims to promote the company's brand and products at an international level with determination and transparency, while constantly striving to offer innovative solutions for satisfying and anticipating the demands of the market.



Range of Worm, Helical, Bevel Helical, Helical Worm, Parallel Shaft Reducers & Mechanical Speed Variators.



NORD Geared Motors

Getriebebau NORD (GERMANY) is one of the world's leading manufacturers of drive technology – for mechanical and electronic solutions, offering a wide variety of geared motors: Helical, parallel and bevel gears and of course the special NORD BLOC and UNIVERSAL products.

As early as the 1980s, NORD developed the most important innovation in gear unit construction to the present day. The unicast concept. All bearing holes and sealing surfaces are machined in a single stage on the latest CNC centres.

Range of Worm, Helical, Bevel Helical, Helical Worm, Parallel Shaft Reducers.



SEW-EURODRIVE

SEW-Eurodrive Geared Motors

For over 80 years, SEW-EURODRIVE is movement, tradition, innovation, quality, and service all in one. Not just moving countless conveyor belts, bottling plants, sports stadium roofs, gravel plants, assembly lines, processes in the chemical industry, your luggage at

Range of Worm, Helical, Bevel Helical, Helical Worm, Parallel Shaft Reducers.



at the airport, or even you on escalators; everyone at SEW-EURODRIVE is moving and working everyday on creating the future of drive automation and making it a little better. This is how SEW-EURODRIVE has evolved throughout its history to become the market leader in the industry of drive automation with a turnover of more than EUR 2.5 billion.

Sumitomo Drive Technologies

Cyclo® 6000, Hyponic® & Cyclo® Bevel BuddyBox-4

SUMITOMO Geared Motors

The history of **Sumitomo Group** began as early as 400 years ago and it was in 2003, “**Sumitomo Drive Technologies**” was officially launched by **Sumitomo**

Heavy Industries as a global brand name to bind its power transmission businesses in the world.



Always on the Move

Sumitomo Drive Technologies: A dependable partner, creating unprecedented change and opening up unseen world.



TECO Induction Motors & Variable Frequency Drives

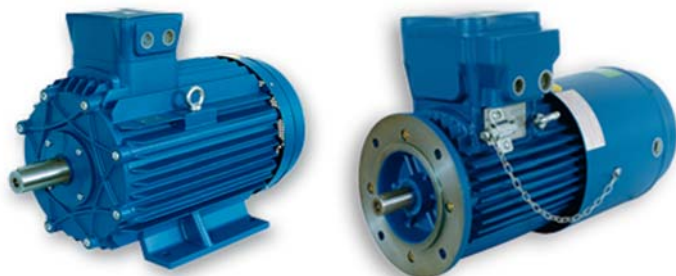


TECO, being one the one of the top 5 motor manufacturers in the world, provides a total solution of both motors and drives.

It's extensive range of industrial electric motors covers from the size of fractions rating up to 100,000HP, voltage range from general home supply up to 13.2KV, in single as well as three phases. It's range of frequency inverters are available in both general purpose and dedicated drives for a wide range of applications from 0.2 to 150kW.



Cemp Flameproof- Explosionproof Motors



In more than fifty years of activity, **Cemp** has created one of the most comprehensive range of electric motors for hazardous areas available on the market today including flameproof motors, “non sparking” motors. Furthermore, **Cemp** supplies customers with consulting services for designing and manufacturing motors with special features.