

# Corporate Product Range



An overview of the Cavotec MSL product range.



# Corporate Product Range

## Who we are

Cavotec is a multi-national group of companies serving the following industries: mining and tunnelling, ports and maritime, steel and aluminium, energy and offshore, airports, general industry and automation. In the early 1960's our main focus was the design and production of motorised cable reels primarily for manufacturers of tower cranes, harbour cranes and mining equipment. Today, Cavotec is connecting mobile equipment around the world in many diverse applications.

## Where we are

Cavotec MSL consists of manufacturing "Centres of Excellence" located in France, Germany, Italy, New Zealand, Norway, Sweden, United Kingdom and USA and by 5 local manufacturing units located in Australia, China, Germany, Sweden and the USA. For the distribution of products and providing support to customers Cavotec has 28 sales companies which, together with a network of distributors, serve more than 30 countries in five continents. The ultimate objective is to be perceived as "local everywhere".

## How we work

Our aim is to work closely with our customers in order to build long-term partnerships. To achieve this aim we have created a working environment that attracts the best people, encourages them to stay and brings out their best qualities. By producing totally reliable systems and backing them with efficient service, we strive to create true customer satisfaction.



## Corporate Product Range

The extensive Cavotec MSL product range reflects the wide scope of our activities. Although the markets in which we are active are very diverse there is at least one aspect that is common to them all: the need for reliable, safe and high quality systems. Customers expect nothing but the best and must be able to rely fully on their systems. We go to great lengths to ensure that our Centers of Excellence and selected Group Partners live up to this expectation.

Our uncompromising stance on providing only the best quality systems has made us the preferred choice for industry operators around the world. Combined with our innovative nature we are always looking for ways to better serve the market and the wishes of our individual customers.

# Cavotec MSL Organisation

As shown here Cavotec MSL is organized to support its customers around the world through its manufacturing units and sales companies.

Each Cavotec manufacturing company, no matter where it is located, aims at being a market leader in its field by providing innovative and reliable products to Group customers.

Each Cavotec sales company, in the 27 countries where they operate, aims at better serving its local market following the Group philosophy "to be local everywhere".

## Manufacturing network

### Research & Engineering Centres

#### France

**Cavotec RMS**  
Spring Driven Reels

**Germany**  
**Cavotec Alfo**  
Spring Driven Reels  
Slipring Columns

**Cavotec Fladung**  
In-Ground Utility Systems

**Cavotec Meyerinck**  
Aircraft Refueling Systems  
& Loading Arms

**Italy**  
**Cavotec Specimas**  
Motorized Cable Reels  
Panzerbelt Cable Protection  
Slipring Columns

**Norway**  
**Cavotec Micro-control**  
Radio Remote Controls

**Sweden**  
**Cavotec Connectors**  
Electrical Plugs & Sockets

**New Zealand**  
**Cavotec MoorMaster**  
Automated Mooring Systems

**United Kingdom**  
**Cavotec Dabico**  
In-Ground Fuel Systems

**USA**  
**Cavotec Dabico**  
In-Ground Fuel Systems

### Local Manufacturing

**Australia**  
**Cavotec Australia**  
Motorized Cable Reels

**China**  
**Cavotec China**  
Product Assembly

**Germany**  
**Cavotec Micro-control**  
Radio Remote Controls

**Sweden**  
**Cavotec Sweden**  
Product Assembly

**USA**  
**Cavotec USA**  
Product Assembly

### Group Partners

**Belgium**  
**Gantry**  
Crane Rail Systems

**Italy**  
**Brevetti Stendalto**  
Cable Chains  
**Prysmian**  
Flexible Cables  
**Tratos Cavi**  
Flexible Cables

## Sales network

### Cavotec Sales Companies

Cavotec Abu Dhabi  
Cavotec Australia  
Cavotec Belgium  
Cavotec BeNeLux  
Cavotec Brazil\*  
Cavotec Canada  
Cavotec Chile  
Cavotec China  
Cavotec Denmark  
Cavotec Finland

Cavotec France  
Cavotec Germany  
Cavotec Hong Kong  
Cavotec India  
Cavotec Italy  
Cavotec Korea  
Cavotec Latin America  
Cavotec Mexico  
Cavotec Middle East  
Cavotec Norway

Cavotec Panama  
Cavotec Qatar  
Cavotec Russia  
Cavotec Singapore  
Cavotec South Africa  
Cavotec Sweden  
Cavotec Turkey  
Cavotec UK & Ireland  
Cavotec USA

\* Branch Office

## Motor-driven cable and hose reels

*Manufacturer: Cavotec Specimas*

Since the early 1960's Cavotec Specimas has been involved in the development and manufacturing of motorised cable reels for horizontal and vertical applications, both for continuous and intermittent duty applications.

Always at the forefront of innovation Cavotec Specimas has over the years introduced many new developments, such as the noted "Pull & Store" system, which has subsequently been adopted in thousands of applications.



## Mining and tunnelling reels

*Manufacturer: Cavotec Specimas*

Mining and tunneling are two traditional fields for Cavotec Specimas cable reels. Since the early seventies they have been present in the mining industry in Sweden and are currently at work all over the world installed on drilling jumbo's, tunnel scaling equipment, loaders, reclaimers, stackers and service vehicle trippers.



## Vertical motor-driven cable reels

*Manufacturer: Cavotec Specimas*

With the ever increasing lift heights and speeds of modern cranes the traditional basket cable solution has become nearly obsolete. The level wind spreader reels are the accepted solution for this new generation of high speed container cranes. The level wind motor-driven cable reels developed by Cavotec Specimas are fitted with frequency inverter torque control and several advanced cable tension devices.



## Panzerbelt cable protection system

*Manufacturer: Cavotec Specimas*

Panzerbelt is a unique flexible system developed to cover cable channels and conductor-bar slots. Its construction features a steel reinforced rubber belt that can withstand cross-traffic of vehicles. Developed over the past 20 years and with nearly 500 applications worldwide, this patented system provides long term, trouble-free operation with a minimum of maintenance required.



## Alternative maritime power supply

*Manufacturer: Cavotec Specimas*

With mounting environmental concerns, ports around the world are starting to forbid ships to run their engines when moored. To solve this problem the Cavotec Group has designed ship-based and shore-based power supply systems which enable a ship to dock, connect to the system and switch off its engines.

This innovative approach greatly reduces pollution in and around ports while saving a substantial amount of money on fuel and maintenance costs.



## Automated mooring systems

*Manufacturer: Cavotec MoorMaster*

Automating the mooring process represents an entirely new field of marine technology. The Cavotec MoorMaster has captured all of the flexibility and characteristics of traditional mooring lines while using vacuum instead of rope to fasten the ship to quay.

Thanks to the Cavotec MoorMaster, mooring a ship now takes only a fraction of the time needed previously and can be done by just one person.



## Flexible cables

*Manufacturer: Baude, Nexans, Prysmian and Tratos*

From the special flexible cables designed according to our experience, to standard flexible cables, at Cavotec we are able to provide a large range in order to meet its customer requirements. The range includes control cables, power cables, cables including fiber optics and Kevlar reinforced cable for high stress operations.

Cavotec sales companies market the most important brands of flexible cables.



## Spring-driven cable and hose reels

*Manufacturer: Cavotec Alfo and Cavotec RMS*

Cavotec Alfo in Germany and Cavotec RMS in France are two Cavotec Centres of Excellence specialized in the manufacture of a wide range of high quality spring driven reels for horizontal and vertical applications.

The innovative design and modular components allow for a great many combinations able to cover most industry requirements. The absolute commitment to deliver high quality products guarantees a long operating life time in even the most demanding type of application.



## Slipping columns

*Manufacturer: Cavotec Specimas*

Transfer of electrical power and signals during rotation is accomplished by our wide range of collectors columns. Featuring unique multi-contact patented brush-gear, extensive use of stainless steel parts and very compact design, they have set the standard for others to follow.

Special slipping columns for high voltage, high amperage or for applications requiring customized designs can be supplied.



*In some countries these products are distributed through local agents.*

## Sliprings ESK and GSK

*Manufacturer: Cavotec Alfo*

Cavotec Alfo is a well-known manufacturer of high quality slipring collectors designed to transmit power and signals. Designed to save space these slipring collectors can be mounted either vertically or horizontally.

As an extra security measure the Cavotec Alfo collectors can be fitted with a protective cover that ensure these products can be used in the most severe working environments.



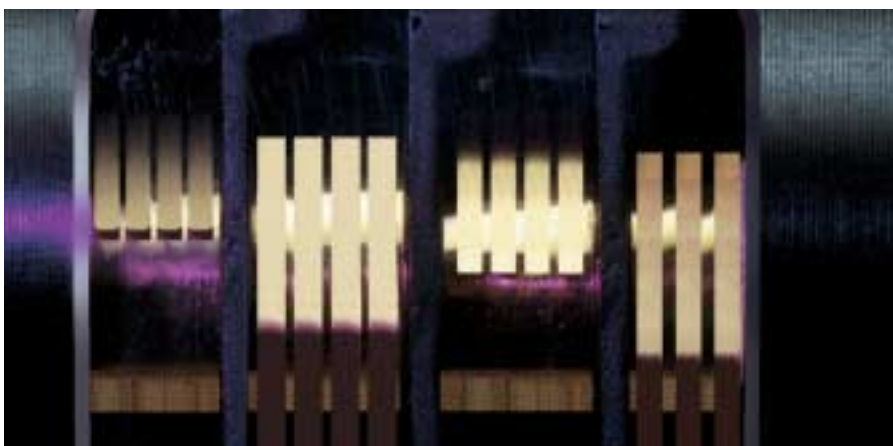
## Rotating electrical connectors

*Manufacturer: Mercotac and Eletca*

Mercotac connectors combine mercury with compatible metals to form highly reliable rotating electrical connections for up to 8 channels. They are well suited for highly sensitive circuitry used in robotics, video and digital signals.

Aurotac connectors, manufactured by Eletca, are ideal for transmitting signal and control circuits in applications which need high revolutions, low noise emissions and low resistance.

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## Electrical connectors

*Manufacturer: Cavotec Connectors*

Cavotec connectors are designed to be used in harsh working environments such as mines, steel works and maritime applications.

Optionally these connectors can be delivered with our own standard panels fitted with short-circuit breakers, and the connectors can be supplied with either electrical or mechanical interlocking. The range includes connectors for low, medium and high voltage.



## Radio remote controls

*Manufacturer: Cavotec Micro-control*

Cavotec Micro-control is a manufacturer of high quality and technologically advanced radio remote controls.

Through continuous innovation and research Cavotec Micro-control has become a leader in its field and provides a wide range of standard and customized equipment able to meet the most specific industry demands.



## EEx Radio remote controls

*Manufacturer: Cavotec Micro-control*

The MC 3000 EEx developed by Cavotec Micro-control is the first ever EEx radio remote control to obtain an ATEX approval. It provides a secure and flexible control of many different types of machinery.

The MC 3000 EEx comes with several types of communication, for radio control: 433 MHz to 443MHz and for cable control: RS-422 and RS-485



## Nylon and steel cable chains

*Manufacturer: Brevetti Stendalto*

The nylon cable chains manufactured by Brevetti can be used in thousands of different configurations to solve the problem inherent to guiding cables and hoses to and from moving equipment.

In addition to the more traditional nylon cable chains, Brevetti Stendalto has developed a series of high-resistant steel chains ranging from a few cables on a 50 mm radius, with low weight, to chains containing multiple cables and hoses bending on radii of 2-10 meter weighing up to 20 tons.



## Power chains

*Manufacturer: Brevetti Stendalto*

Power Chains, manufactured by Brevetti, are an innovative and cost effective alternative to festooning systems and conductor bars. With this system, power and control cables are carried, safely and fully protected, by a nylon chain, over long travelling distances and at high speeds.

The ever growing number of applications clearly prove the reliability of the system and its clear economic advantages.



## Cable ladders and trays

*Manufacturer: Wibe*

WIBE AB has been manufacturing cable management products since 1935, and has become a leader in this field. WIBE has developed an unique closed profile to provide low weight and high point loads.

In the Middle East WIBE is today an approved supplier for power & desalination stations in the UAE, Qatar, Oman, Kuwait and Saudi Arabia.

*In some countries these products are distributed through local agents.*



## Industrial controllers

*Manufacturer: Gessmann*

Gessmann manufactures a wide range of single and multi-axis joystick controllers, foot pedals, seats and cab units for users and manufacturers of cranes and mobile machinery.

Designed for use in harsh environments these products are used in ports, mining and tunnelling, special vehicles and maritime applications.

*The Cavotec Group represents Gessmann in Australia, China, Hong Kong, Latin America, Norway, UK, USA (crane market).*



## In-Ground Utility Systems

*Manufacturer: Cavotec Fladung*

Cavotec Fladung produces a wide range of pit solutions, including both Pop-Up Pit Systems and Hatch Pit Systems.

Both Pop-Up Pits and Hatch Pits can be used in combination with our Tunnel System, on apron parking areas with 400 Hz power supply, PCA, Waste Water, Blue Water, Potable Water, or in individual concrete pits. Concrete pits can either be pre-cast, or cast on site. These systems are also ideally suited for use in hangars.



## In-Ground Fuel Systems

*Manufacturer: Cavotec Dabico*

Cavotec Dabico In-Ground Fuel Systems are in use at commercial and military airports all over the world. Thanks to the strong focus on quality and innovation Cavotec Dabico's systems have become an obvious choice for industry operators around the world.

Besides designing and manufacturing In-Ground Fuel Systems, Cavotec Dabico also provides installation supervision and long-term support of fixed ground support systems.



## Aircraft Refueling Systems & Loading Arms

*Manufacturer: Cavotec Meyerinck*

Cavotec Meyerinck designs and manufactures advanced refueling and loading systems that efficiently transport aircraft fuel, chemical and petrochemical liquids.

To its global airbase and airport customers, Cavotec Meyerinck supplies specialized refueling loading arms for commercial and military aircraft, fighter jets, helicopters and tank trucks.





Head Office

**Cavotec MSL Holdings Ltd.**

Cavotec MSL is listed on the **NZX**

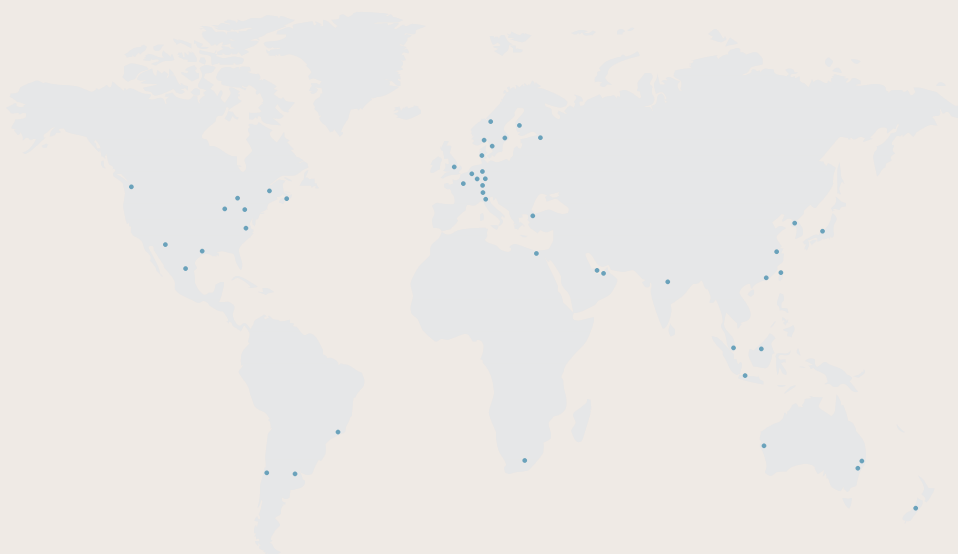
Corporate Office

**Cavotec (Swiss) SA**

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*We are present in*

Abu Dhabi	Malaysia
Argentina	Mexico
Australia	The Netherlands
Belgium	New Zealand
Brazil	Norway
Canada	Panama
Chile	Qatar
China	Russia
Denmark	Saudi Arabia
Egypt	Singapore
Finland	South Africa
France	Sweden
Germany	Switzerland
Hong Kong	Taiwan
India	Turkey
Indonesia	U.A.E.
Ireland	U.K.
Italy	U.S.A.
Japan	
Korea	
Luxemburg	



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