



## **ELECTROMECHANICAL DRIVE SYSTEMS**

For more than 80 years, LEROY-SOMER has been designing and manufacturing electromechanical and electronic drive systems for machine manufacturers and users in industry throughout the world. Our experience acquired over the years in the various different motor technologies, gearbox families, brake motors and drives means we can find the solution to any machine drive problem.

With more than 350,000 electromechanical drives produced each year, LEROY-SOMER can be found on all the major international markets :

- ▶ Food industry
- ▶ Chemicals, oil and energy, plastics technology
- ▶ Public works and construction
- ▶ Automotive, iron and steel industry and metallurgy
- ▶ Transport of goods and people
- ▶ Wood, textiles
- ▶ Environment
- ▶ Aeronautics and defence

## Electromechanical Drives Division

▶ **45** manufacturing and assembly sites

▶ **10 000 000** systems in operation

▶ **350 000** drives a year

## Numerous applications

- Bottling
- Conveying
- Displacement
- Handling
- Lifting
- Mixing
- Packaging
- Palletization
- Process
- Pumping
- Stirring

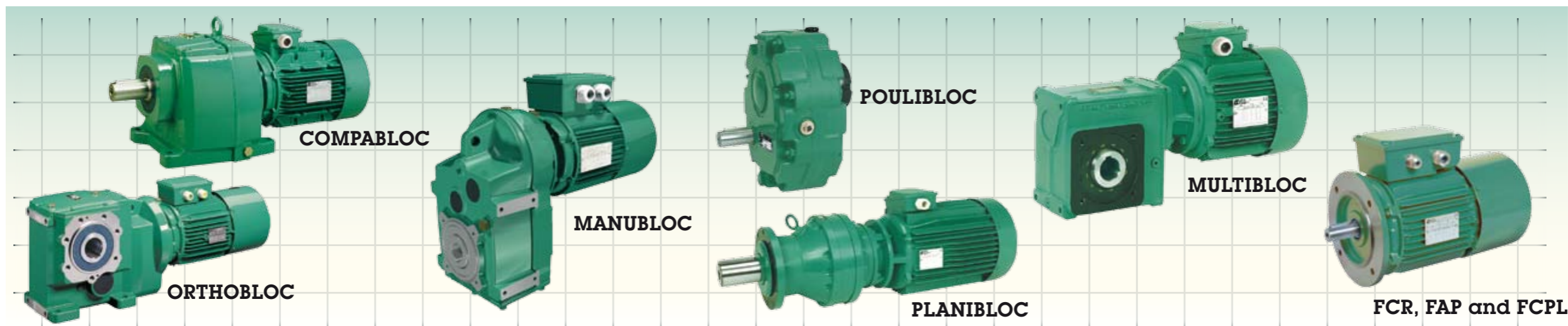




# From the standard range to specific applications

► **POWER** : 0.06 kW to 160 kW - **TORQUE**: 5 N.m to 70,000 N.m

► *Expertise in different technologies*



Helical gearboxes



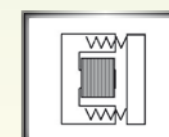
Helical bevel gearboxes



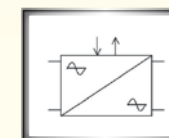
Worm and wheel gearboxes



Planetary gearboxes

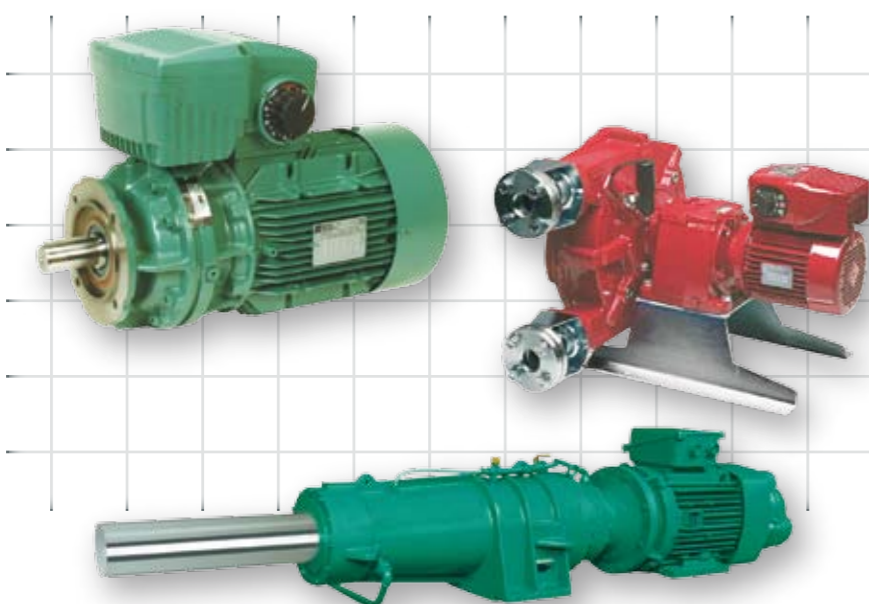


Motors with electromagnetic brake



Electronic variable speed control

## ► Customised products



In our customers' businesses, needs and constraints are constantly changing. Based on standard ranges and long experience of applications, LEROY-SOMER adapts and customises its products, in close collaboration with its customers, to obtain the best solution both technically and economically, while ensuring the performance and reliability of machines.

## ► A guaranteed quality standard

The design and manufacture of customised products, or products derived from standard ranges, calls for efficient organisation, tried and tested know-how and the desire to provide reliable solutions. LEROY-SOMER's approach is based on systematically choosing internationally recognised standards and on expertise in product technologies.

## ► Derived ranges



**VARMECA**  
Integrated variable speed



**IA**  
Food processing



**ATEX**  
Explosive gas and dust atmospheres



**DYNABLOC**  
Variable speed and servo

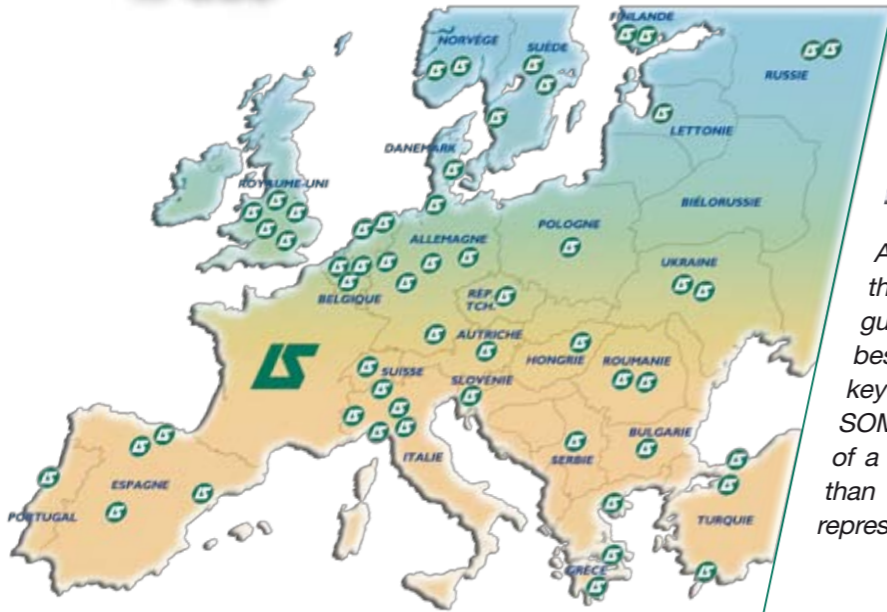
In numerous industrial sectors, the machine operating environment and adherence to strict standards have become important constraints when selecting products. Performance, precision and the operating rates asked of machines are always increasing. Derived from standard ranges, the ATEX or IA, VARMECA or DYNABLOC offers satisfy these requirements for safety, hygiene and performance.





► Proximity of a network of experts

► **500** technical sales representatives



Analysing and understanding the needs of customers and guiding them in choosing the best solution is one of the key missions of the LEROY-SOMER network: the strength of a local network with more than 500 technical sales representatives in Europe.

► Help with product selection

To help customers choose THE solution from the 30 million possible options, LEROY-SOMER offers the expertise of an extensive network of specialists with full technical documentation and a powerful computer tool : the CONFIGURATOR.

- Help with product selection
- Print-outs of technical specifications
- Print-outs of 2D and 3D CAD files



► Lead times to suit customer requirements

► **500 000** product references on guaranteed short delivery

To supply its products in a lead time that is compatible with customers' requirements, LEROY-SOMER has implemented an efficient logistics system based on its network of partners working together with its factories. This unique organization enables us to satisfy urgent requests at any time and adapt quickly to variations in lead times requested by customers.

► SERVICE

► **24 h / 24**  
 ► **7j / 7**



CFE, the LEROY-SOMER training centre, offers introductory and proficiency training courses to both customers and users of its products.

They cover :

- Installation and maintenance
- Modernising existing installations
- Training in Saqr-ATEX certification (quality control system for repairers of equipment used in potentially explosive atmospheres)

Programmes organised at different levels have been designed to ensure that a constant progression can be made in acquiring skills and knowledge. The training centre is equipped with practice benches simulating a large number of configurations and situations, in real load conditions. This training can also be provided on site.



# Worldwide presence



**470** sales offices and service centres  
**45** manufacturing and assembly sites