

DYNABLOC



Servo gearboxes for applications with strong dynamics

LEROY-SOMER has extended its geared motors offer and now offers a range of **servo gearboxes with standard backlash and low backlash**. This **DYNABLOC** range, offering output torque up to 5000 Nm and reduction ratios from 1.25 to 1000, is ideal for applications that require:

- Strong dynamics
- Extremely precise positioning
- Quiet operation

LEROY-SOMER offers two types of **servo gearbox**:

◆ **With standard backlash:** 10' to 30', reduction ratios from 1.25 to 200:

- **Helical servo gearboxes with axial output:** **Cb** series
- **Helical bevel servo gearboxes with right-angle output:** **Ot** series
- **Worm servo gearboxes with right-angle output:** **Mb** series

◆ **With low backlash:** 1' to 12', reduction ratios from 3 to 1000, depending on the type:

- **Planetary servo gearboxes with axial output:** **Pjl** and **Pjn** series
- **Worm servo gearboxes with right-angle output:** **Mjd** series

These three series are available in the following versions:

- **BASIC:** from 8 to 12'
- **MEDIUM:** from 3 to 5'
- **EXPERT:** < 1'

The **self-synchronising servo motors** in the **UNIMOTOR** series coupled to gearboxes benefit from the latest technological advances. These **servo motors** provide a particularly innovative solution as regards their aluminium housing, which has fins at 45°. This increases its heat exchange capacity by 100% compared to a normal housing in cast aluminium. The **UNIMOTOR** speeds are 2000 or 3000 rpm. They have a maximum torque up to 220 Nm and permanent stall torque up to 73 Nm.

LEROY-SOMER's DYNABLOC servo gearboxes are designed to operate with **LEROY-SOMER's** range of **electronic inverters**. This is an additional guarantee of high performance for the customer, and facilitates maintenance and after-sales service. In addition, **application cards** developed by **LEROY-SOMER** can be integrated in the inverters, making complex positioning movements, synchronisation, electronic cams, and winding/unwinding easy to achieve and manage.

DYNABLOC servo gearboxes combined with **LEROY-SOMER's electronic inverters** are particularly suitable for handling, warehouse carriers, but also for packaging, robotics, machine tools, textile machinery, printing, gantry cranes, etc.