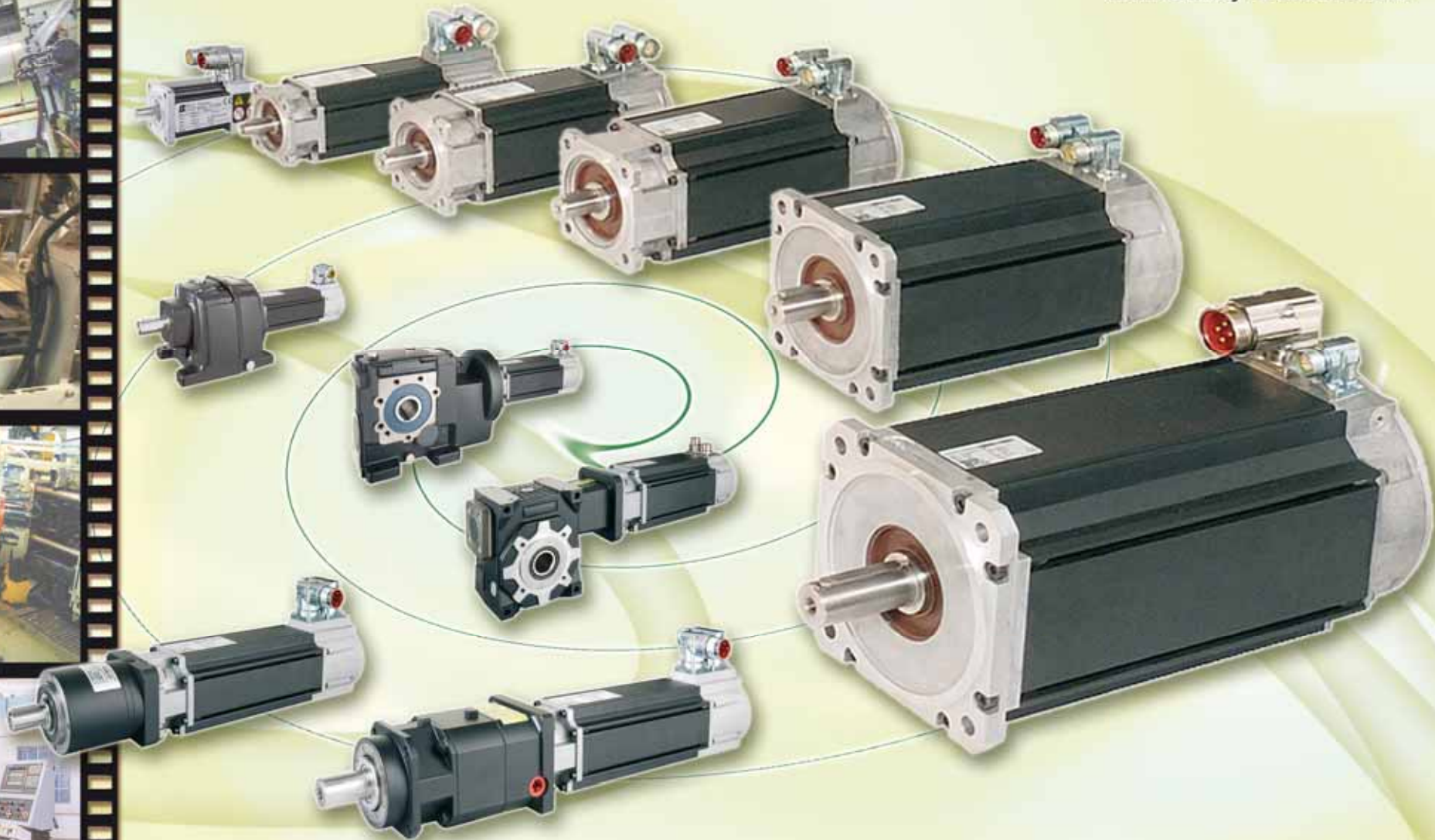


# Unimotor

 LEROY  
SOMER<sup>®</sup>

[www.leroy-somer.com](http://www.leroy-somer.com)



*The Global, high dynamic solution !*



# Servo drive systems

Managing axis as fast as possible with the highest precision is required by industrial applications. Designed to operate together, **Unimotor**, **Unidrive** and **Dynabloc** bring to the user global density and guarantee of performances. LEROY-SOMER offers an incomparable range to answer to the constraints encountered in high dynamic applications.

## ADAPTATION to the APPLICATION and ENVIRONMENT

- Mechanical adaptation:
  - up to 3 shaft diameters,
  - up to 3 flange diameters
  - finish: keyed or solid shaft
  - IEC execution or Nema

- Rated speed selection: from 1000 min<sup>-1</sup> to 6000 min<sup>-1</sup>

- Feedback device:
  - 2048 or 4096 ppt encoders
  - SinCos single or multiturn
  - SLM technology
  - resolver

- Space management: 90° rotatable connectors

- Speed controller integrating:
  - ready to use application programs (positioning, synchronisation, electronic cam, on-the-fly cut ...)
  - automation functions ...
- Up to 200 % of the drive overload capacity
- Synchronization of the internal control loops at 250 μs
- Automatic adjustment of gains by auto-calibration of motor and load characteristics
- Synchronisation between drives
- Automatic loading of motors' characteristics on power-up (SinCos & SLM encoders)

## Dynabloc

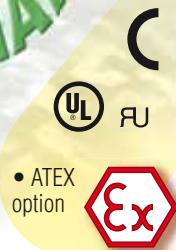
- This range of servo gear motors enables a variety of solutions adapted to all needs:
  - backlash: choice of 1 to 30'
  - foot or flange mounting
  - orthogonal or axial output
  - solid or hollow shaft, keyed or plain with tightening clip

**FLEXIBILITY**  
**PERFORMANCE**

- Mechanical braking:
  - parking brake
  - dynamic brake

- Choice of rotor inertia
  - low
  - high

- Global solution: Adapted and tested cables for drive - motor connection (power and control)



- ATEX option

