

UNIDRIVE SP



**A new-generation drive
which meets users expectations!
Up to 132 kW... Mains from 200 to 690 V**

◆ Performance

UNIDRIVE SP has been designed to handle the most demanding axis applications. It can be adapted to any application with dynamics, precision and repeat accuracy.

UNIDRIVE SP has a new-generation control algorithm and guarantees, in open loop operation, maximum performance for the control of induction motors at speeds lower than 0,5 Hz.

◆ Flexibility

The only drive to be truly universal, **UNIDRIVE SP** can be adapted to numerous systems:

- Control of induction motors (open or closed loop), brushless motors, synchronous magnet motors, HPM motors (Hybrid Permanent Magnet)
- Universal encoder input (incremental, Absolut Sin Cos (Endat and Hyperface), Absolut SSI, frequency/direction sensors, etc)
- Communicates with the main fieldbuses (Profibus DP, Interbus S, Devicenet, Can open, Sercos, Ethernet)

◆ **Simplicity**

UNIDRIVE SP simplifies commissioning :

- A SMARTCARD (preset configurations, parameter save and duplication, etc)
- LCD display with integrated help function
- LS SOFT software with interactive wizard and diagnostic tools.

◆ **Minimising costs**

UNIDRIVE SP offers as standard :

- An approved safety input which can accept either a line contactor or a safety relay
- An RFI filter which provides EMC conformity to standard EN 61200-3
- PLC function blocks for integrating control systems linked to the application (ladder programming IEC 61131-3)

◆ **Solutions for applications**

Current industrial applications are: positioning, synchronising, lifting loads, winding or unwinding, cutting on the fly.

For each of these applications, **UNIDRIVE SP** provides a complete solution which fulfils all the application's functional requirements.

The system is configured very simply via the drive's operator display or via a software tool which provides, for each application, an interactive installation wizard.