

i700

Servo inverter

Generation Easy for multi-axis applications.



The innovative i700 servo inverter for central motion control is characterised by its compact and highly flexible design: dual axes keep the drive size to a minimum, dynamic motor control makes it suitable for use in a wide range of applications. Drive integration, commissioning and maintenance are substantially simplified thanks to its installation concept and easy engineering.

Highlights

- Power range 0.75 to 15 kW
- Easy to use: from installation to service
- Compact: both in size and connection system
- Flexible: motor control for synchronous and asynchronous motors
- High performance, e. g. with real-time EtherCAT bus system



Lenze

i700 – in use

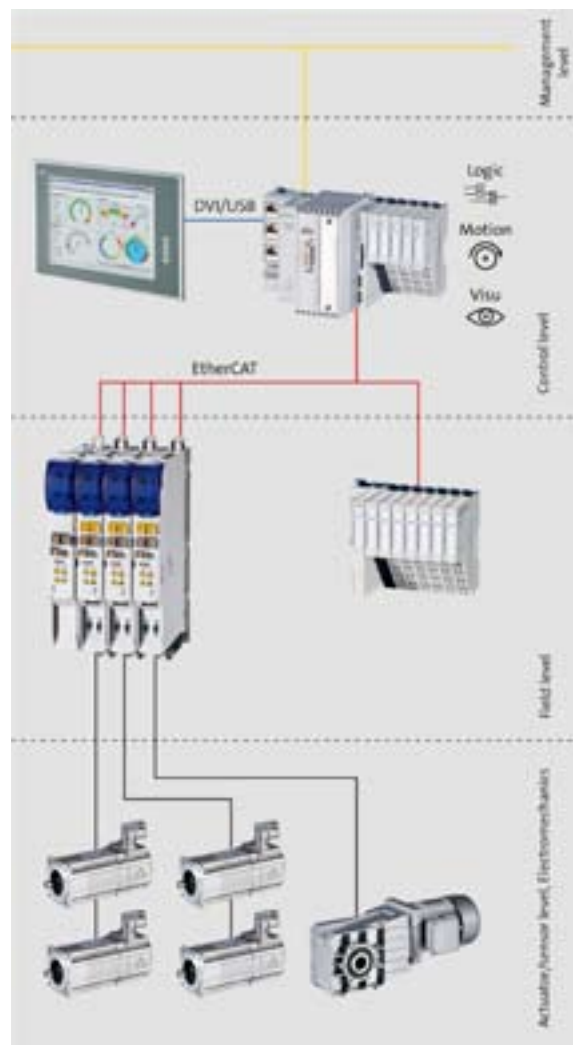
Controller-based automation

Powerful central motion control of demanding machine tasks is best achieved with our controller-based automation.

The i700 servo inverter for multi-axis application can drive all centrally controlled motors in your machine module – from three-phase AC motor to servo motor.

i700 functions

- Multi-axis system
 - Single and dual axes
 - Power supply module
- DC-bus connection via busbar system
- Pluggable connection system
- Automatic parameter/firmware download via the control system
- Motor control
 - Servo with field weakening and torque pre-control
 - V/f control for standard asynchronous motors without encoder
- Scalable safety functions
- 3 cooling methods: cold plate, push-through, standard panel-mount



Technical data

Rated current	I [A]	2.5	5	10	16	24	32
max. output current 3 sec	I [A]	5	10	20	32	48	64
Power supply module mains voltage	U [V]	3 x 230 to 480					
Rated power	P [kW]	0.75	1.5	4	7.5	11	15
Dimensions							
Single axis	H x W x D [mm]	350 x 50 x 260			350 x 100 x 260		
Dual axis	H x W x D [mm]	350 x 50 x 260		350 x 100 x 260			