

i500

Inverters

Less means more.

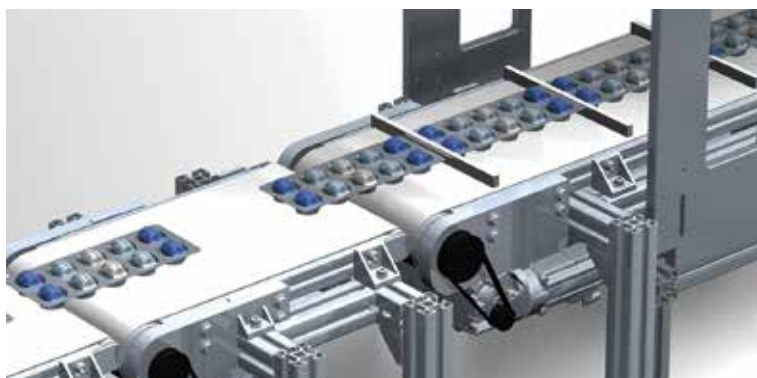


i500 is the new inverter series in the 0.25 to 75 kW power range. Its distinguishing features: a streamlined design, scalable functionality and exceptional user-friendliness.

i500 provides a high-quality inverter that already conforms to future standards in accordance with the EN 50598-2 efficiency classes (IE). Overall, this provides a reliable and future-proof drive for a wide range of machine applications.

Features

- Space saving design: 60 mm wide, 130 mm deep, also zero-clearance mounting.
- Innovative interaction options enable better set-up times than ever.
- The wide-ranging modular system enables various product configurations depending on machine requirements.
- i500 is recommended for applications for pumps, fans and conveyor, traction, winding, former, tool and hoist drives.



Lenze

This is how easy it is to integrate i500

Three set-up methods

Thanks to Lenze's engineering philosophy, the high functionality is still easy to grasp. Parameterisation and set-up are impressive thanks to clear structure and simple dialogues, leading to the desired outcome quickly and reliably.

- Keypad

If it's only a matter of setting a few key parameters such as acceleration and deceleration time, this can be done quickly on the keypad.

- Smart keypad app

The intuitive smartphone app enables adjustment to a simple application such as a conveyor belt.

- EASY Starter

If functions such as the motor potentiometer or sequence control for a positioning application need to be set, it's best to use the EASY Starter engineering tool.



Technical data

	i510	i550
Performance data		
Mains: 1 AC 230 V	0.25 to 2.2 kW	0.25 to 2.2 kW
Mains: 1/3 AC 230 V	0.25 to 2.2 kW	0.25 to 5.5 kW
Mains: 3 AC 400 V	0.37 to 2.2 kW	0.37 to 75 kW
Overload current	Mode S1: 150%, mode S6: 200%	
Interfaces	Digital inputs/outputs (5/1), analogue inputs/outputs (2/1), relays (optional extension with i550)	
		External 24 V supply PTC/thermal contact input HTL incremental encoder (100 kHz)
	CANopen, Modbus	CANopen, EtherCAT, EtherNET/IP, Modbus, PROFIBUS, PROFINET
		Integrated brake chopper DC bus connection
Approvals	CE, UL, CSA, EAC, RoHS2, IE2 in accordance with EN 50598-2	
Functions	V/f controls (linear, quadratic, VFCeco) Sensorless control for synchronous motors (SLPSM)	
		Vector control with feedback
	DC braking Brake management for low-wear brake control	
		Dynamic braking through brake resistance
	S-ramps for smooth acceleration and deceleration Flying restart circuit, PID controller	
Safety technology		Safe torque off (STO)