

Flexible – FAST – Future-proof.



The new i950 servo inverter that we have added to our automation system fits smoothly into our automation platform with which it is completely compatible.

The same architecture, the same engineering and use of the same application software dissolve the boundaries between drive-based and controller-based automation. The "FAST" application software toolbox becomes usable for all products. With FAST, we make a lot of things easier for the customer as the FAST applications of the i950 can be put to use immediately and can be adapted to the respective machine task by means of parameterization alone. If necessary, however, they can be adapted and extended very easily according to specific customer requirements. In addition, the i950 servo inverter enhances the performance of the i700 servo inverter in our controller-based system in the range of 30 ... 150 hp.

Highlights

- Use of cutting-edge information environments
- Intelligent communication
- Real-time data directly for cloud-based solutions
- Effectively reduce downtimes, maintenance, and product changeover costs
- Power spectrum from 0.5 ... 150 hp
- Modular interfaces for fieldbus and feedback
- PLCopen, IEC61131-3, CiA 402
- Very easy initial commissioning
- User-guided dialogs for commissioning
- Vertical shaft at the push of a button
- Operation of synchronous servo motors and asynchronous servo motors
- Integrated safety functions
- One Cable Technology (OCT)
- DC-bus connection with feed-in and feedback operation possible
- Power enhancement of the i700 in the Lenze controller-based system in the range from 30 ... 150 hp

It's that easy to integrate the servo inverter

Easy diagnostics

A standard Ethernet port enables convenient on-site diagnostics using a standard cable, as well as easy networking with existing remote maintenance structures.

Lenze system bus

An EtherCAT-based system bus is used to synchronize several axes at high speed.

The advantages are:

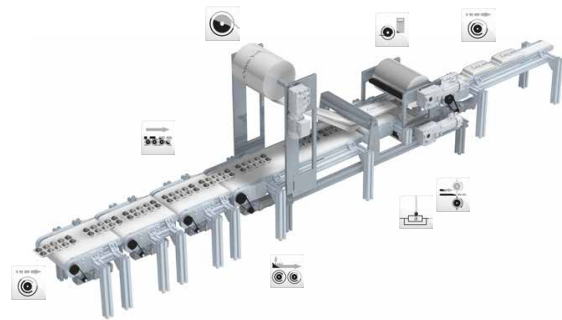
- Easy commissioning of the servo inverter using plug and play mechanisms
- Real-time data exchange between the inverters – for a perfect electrical shaft
- Easy diagnostics even with larger axis groupings

Easy implementation with FAST

The Lenze FAST technology guides the user through the configuration process in order to achieve the optimum result in the shortest possible time.

The following technology applications are available:

- Speed control
- Table positioning
- Electronic gearbox
- Synchronism with mark correction
- Winder with dancer position control
- Winder with torque control
- CiA 402 Advanced (easy integration of the i950 with a third-party control system)



Technical data

| Inverter | Rated power | Mains voltage range | Rated output current | Weight | Dimensions (h x w x d) |
|------------------|-------------|---|----------------------|-----------------------|------------------------|
| | hp | | A | lb | in |
| i950-C0.37/230-2 | 0.5 | 1/PE AC 170 V ... 264 V 45 Hz ... 65 Hz | 2.4 | 3.5 | 9.84 x 2.36 x 7.36 |
| i950-C0.55/230-2 | 0.75 | | 3.2 | | |
| i950-C0.75/230-2 | 1 | | 4.2 | | |
| i950-C1.5/230-2 | 2 | | 7 | | |
| i950-C0.37/230-2 | 0.5 | 3/PE AC 195 V ... 264 V 45 Hz ... 65 Hz | 2.4 | 8.6 | 10.87 x 4.72 x 7.36 |
| i950-C0.55/230-2 | 0.75 | | 3.2 | | |
| i950-C0.75/230-2 | 1 | | 4.2 | | |
| i950-C1.5/230-2 | 2 | | 7 | | |
| i950-C2.2/230-3 | 3 | | 9.6 | | |
| i950-C4.0/230-3 | 5 | | 16.5 | | |
| i950-C5.5/230-3 | 7.5 | 23 | 3.5 | 9.84 x 2.36 x 7.36 | |
| i950-C0.55/400-3 | 0.75 | 1.8 | | | |
| i950-C0.75/400-3 | 1 | 2.4 | 8.6 | 10.87 x 4.72 x 7.36 | |
| i950-C2.2/400-3 | 3 | 5.6 | | | |
| i950-C4.0/400-3 | 5 | 9.5 | 23.6 | 13.66 x 8.03 x 9.96 | |
| i950-C7.5/400-3 | 10 | 16.5 | | | |
| i950-C11/400-3 | 15 | 23.5 | 37 | 17.72 x 9.84 x 9.65 | |
| i950-C15/400-3 | 20 | 32 | | | |
| i950-C22/400-3 | 30 | 47 | 53 | 21.1 x 9.84 x 11.06 | |
| i950-C30/400-3 | 40 | 61 | | | |
| i950-C45/400-3 | 60 | 89 | 78.5 | 26.97 x 10.16 x 12.64 | |
| i950-C55/400-3 | 75 | 110 | | | |
| i950-C75/400-3 | 100 | 150 | 78.5 | 26.97 x 10.16 x 12.64 | |
| i950-C90/400-3 | 125 | 180 | | | |
| i950-C110/400-3 | 150 | 212 | | | |