Automation systems Drive solutions

Controls
Inverters
Motors
Gearboxes
Engineering tools



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Lenze makes many things easy for you.

With our motivated and committed approach, we work together with you to create the best possible solution and set your ideas in motion - whether you are looking to optimise an existing machine or develop a new one. We always strive to make things easy and seek perfection therein. This is anchored in our thinking, in our services and in every detail of our products. It's as easy as that!

1

Developing ideas

Are you looking to build the best machine possible and already have some initial ideas? Then get these down on paper together with us, starting with small innovative details and stretching all the way to completely new machines. Working together, we will develop an intelligent and sustainable concept that is perfectly aligned with your specific requirements.

4

Manufacturing machines

Functional diversity in perfect harmony: as one of the few full-range providers in the market, we can provide you with precisely those products that you actually need for any machine task — no more and no less. Our L-force product portfolio, a consistent platform for implementing drive and automation tasks, is invaluable in this regard.

2

Drafting concepts

We see welcome challenges in your machine tasks, supporting you with our comprehensive expertise and providing valuable impetus for your innovations. We take a holistic view of the individual motion and control functions here and draw up consistent, end-to-end drive and automation solutions for you - keeping everything as easy as possible and as extensive as necessary.

5

Ensuring productivity

Productivity, reliability and new performance peaks on a daily basis – these are our key success factors for your machine. After delivery, we offer you cleverly devised service concepts to ensure continued safe operation. The primary focus here is on technical support, based on the excellent application expertise of our highly-skilled and knowledgeable after-sales team.

3

Implementing solutions

Our easy formula for satisfied customers is to establish an active partnership with fast decision making processes and an individually tailored offer. We have been using this easy principle to meet the ever more specialised customer requirements in the field of machine building for many years.

A matter of principle: the right products for every application.

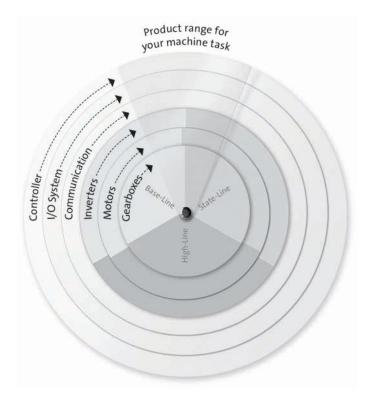
Lenze's extensive L-force product portfolio follows a very simple principle. The functions of our finely scaled products are assigned to the three lines Base-Line, State-Line or High-Line.

But what does this mean for you? It allows you to quickly recognise which products represent the best solution for your own specific requirements.

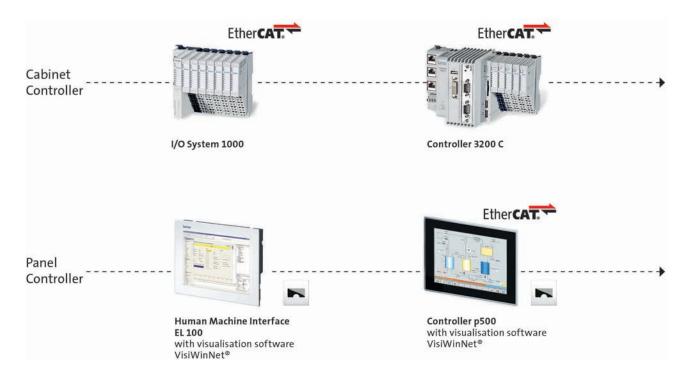
Powerful products with a major impact:

- · Easy handling
- High quality and durability
- Reliable technologies in tune with the latest developments

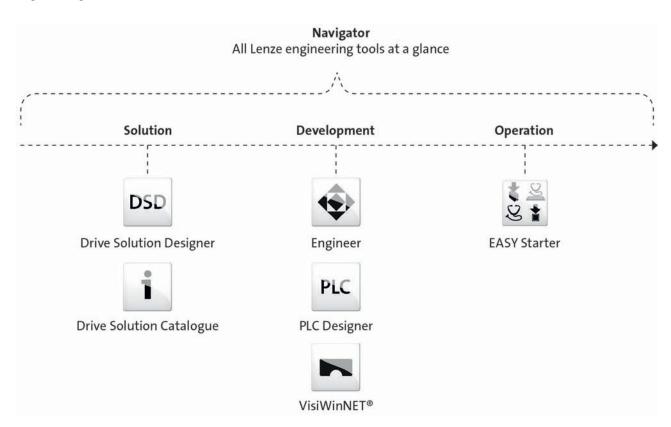
Lenze products undergo the most stringent testing in our own laboratory. This allows us to ensure that you will receive consistently high quality and a long service life. In addition to this, five logistics centres ensure that the Lenze products you select are available for quick delivery anywhere across the globe. It's as easy as that!



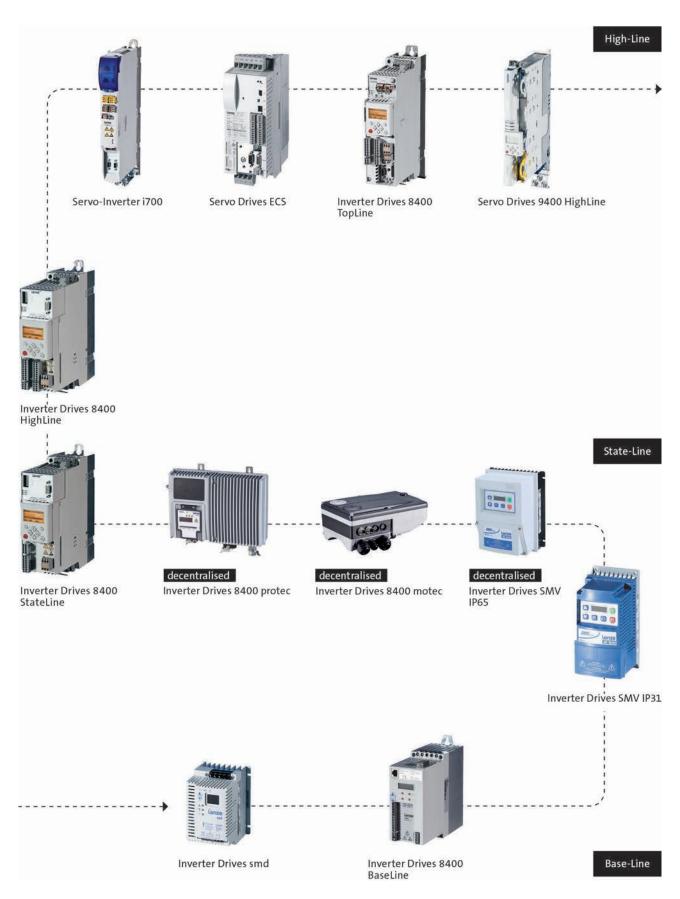
Controls



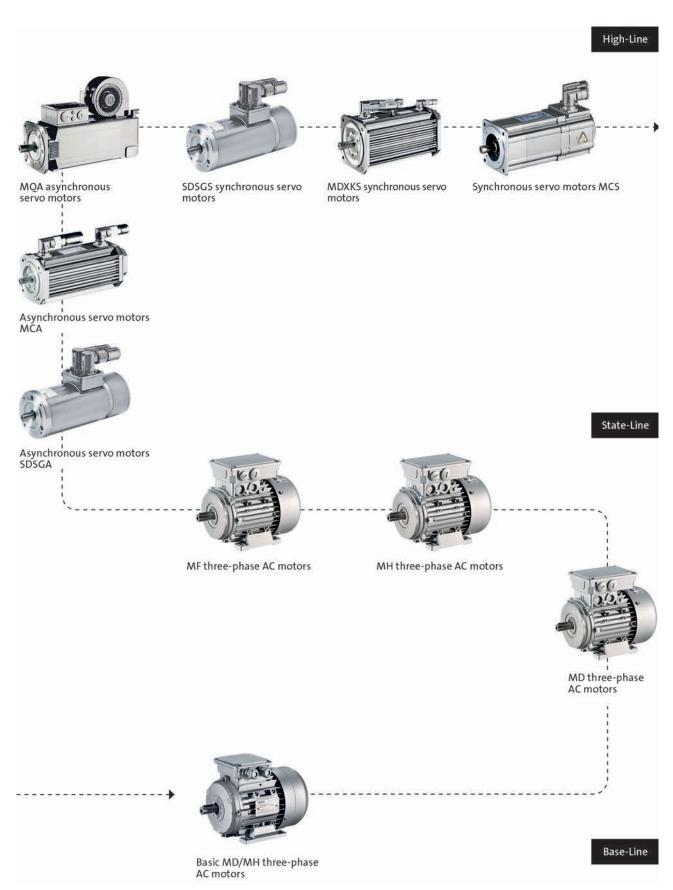
Engineering tools



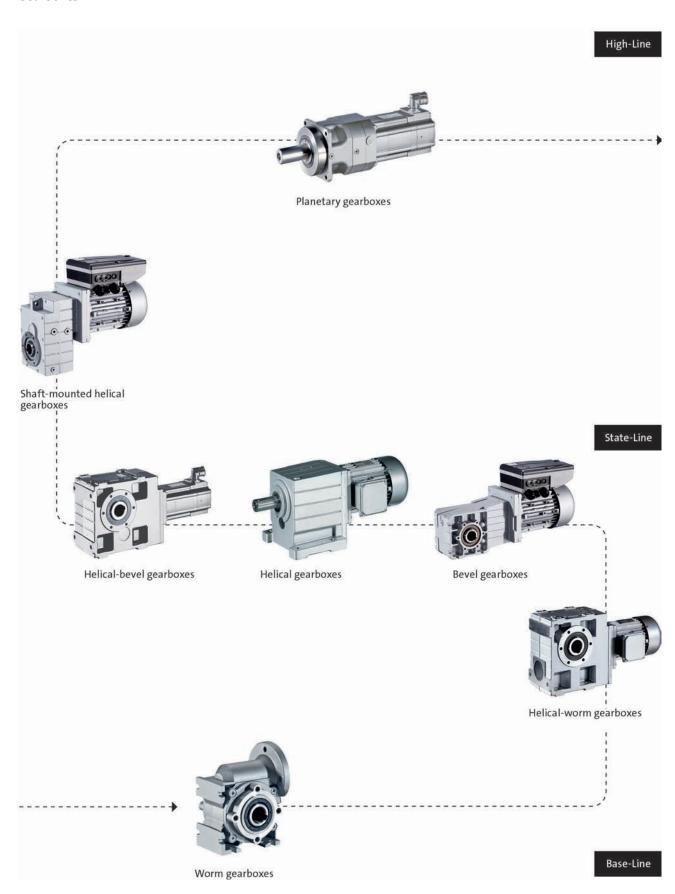
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Motors



Gearboxes





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General information



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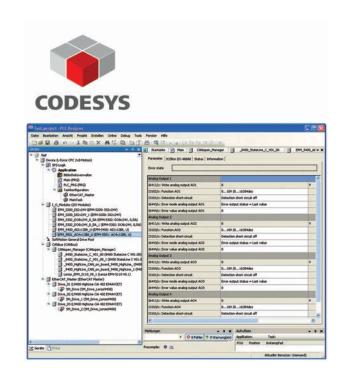
Control in line with the IEC 61131-3 industry standard

The control is based on the modern CoDeSys control system 3. Lenze qualified this basic system for continuous operation in automation systems and then extended and modified it to meet its requirements. It is marketed under the name PLC Designer 3. Compared to the pure CoDeSys system, the timing has for example been optimised and adapted to the specific hardware in a way that guarantees optimised packing density for best possible utilisation of bus performance. In addition to this, the system has been extended to include a gateway function, which grants drive parameter setting programs such as L-force Engineer access through the controller to the connected field devices — a particularly useful system extension for EtherCAT®. However, the most important addition is integration of the I/O system 1000 in the control configuration.

The PLC Designer is offered in 4 different licence levels, although all licence levels have one thing in common:

The L-force Engineer and PLC Designer share one common licence. Any customers ordering one of the two products will therefore automatically also receive a license for the other product. The license key, which is required for installation of the software, is the same for both products.

Every L-force controller is also supplied with a CD which, among other things, includes the PLC Designer. This version is a demo version which can be used for 30 days. The full version can then be activated by simply entering an engineer key. New versions of the PLC Designer and updates are available for download on the Internet.



Mode	Features	Product key
PLC Designer 3.x		
Single user licence	 CD-ROM not included in scope of supply Installation on one PC Languages: German and English 	ESPEVPDXA0EC1
Multiple user licence	 CD-ROM not included in scope of supply Multiple installations on the number of machines for which licences have been purchased The basis is a single user licence 	ESPEVPDNNNML1
Corporate licence	 CD-ROM not included in scope of supply Multiple installations within a company at one location The basis is a single user licence 	ESPEVPDNNNFL1
Buyout license	 CD-ROM not included in scope of supply Issuing of sublicences in conjunction with Lenze drives installed in a machine The basis is a single user licence 	ESPEVPDNNNBL1

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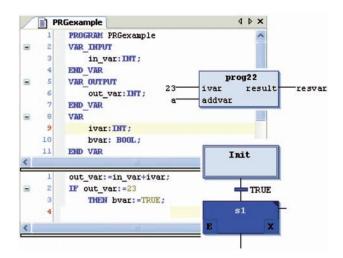
Product information

PLC Designer

Lenze uses the PLC Designer as the central engineering software for control technology. It is based on the familiar CoDeSys system and offers the following features:

- Programming of Logic & Motion in line with IEC 61131-3 (IL, LD, FP, ST, SFC and CFC Editor)
- Certified function blocks in line with PLCopen Part 1 + 2
- · NC block library
- Graphic DIN 66025 Editor (G-Code) with DXF import
- Cam editor
- · Object-oriented programming

For programming the L-force Controller 3200 C, Version 3 of the PLC Designer is required.

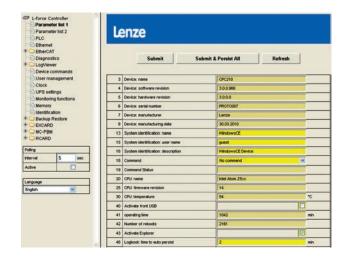


Web-based parameter setting

All L-force Controllers have an integrated web server with prepared pages for the following actions:

- Controller configuration and diagnostics
- Access to all logbook parameters
- Access to integrated controller logbook

This allows all key commissioning and diagnostic work to be performed without a separate PC application. A web browser is all that is needed.



Backup & Restore

Backup & Restore is a free of charge application that you can use to easily backup your controller:

- Perform backups
- Perform restores
- · Perform updates

Backup & Restore is included on the CD that is supplied with every L-force Controller. Suitable USB flash drives can also be found under accessories.



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Web version

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