# Automation systems
# Drive solutions

# Controls
# Inverters
# Motors
# Gearboxes
# Engineering tools

**Engineering tools:** VisiWinNET®

Lenze
As easy as that.

# Contents of the L-force catalogue



**Selected portfolio**

**Additional portfolio**

# 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.

## 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.

## 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.

## 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.

## 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.

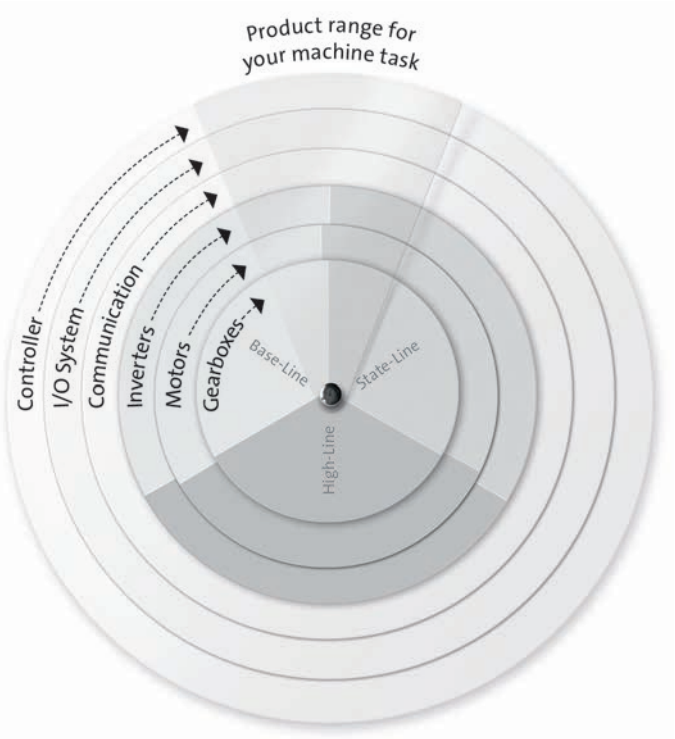
# A matter of principle: the right products for every application.

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.

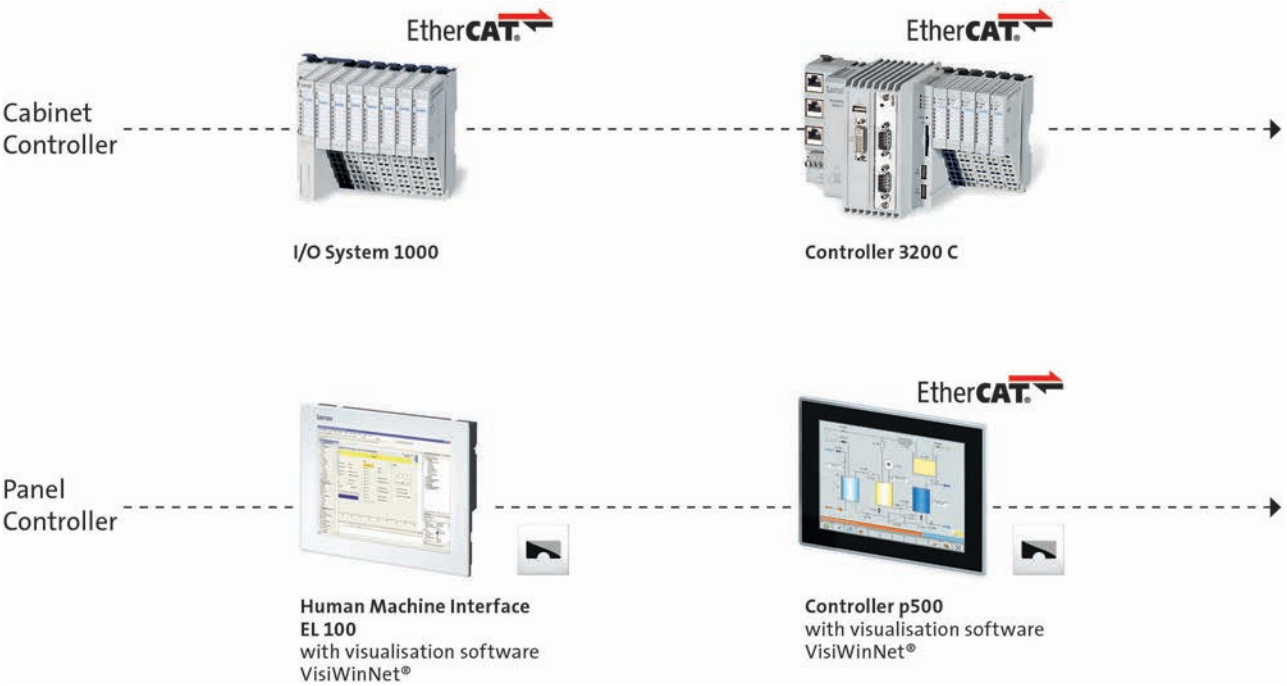
**Powerful products with a major impact:**
- Easy handling
- High quality and durability
- Reliable technologies in tune with the latest developments

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!

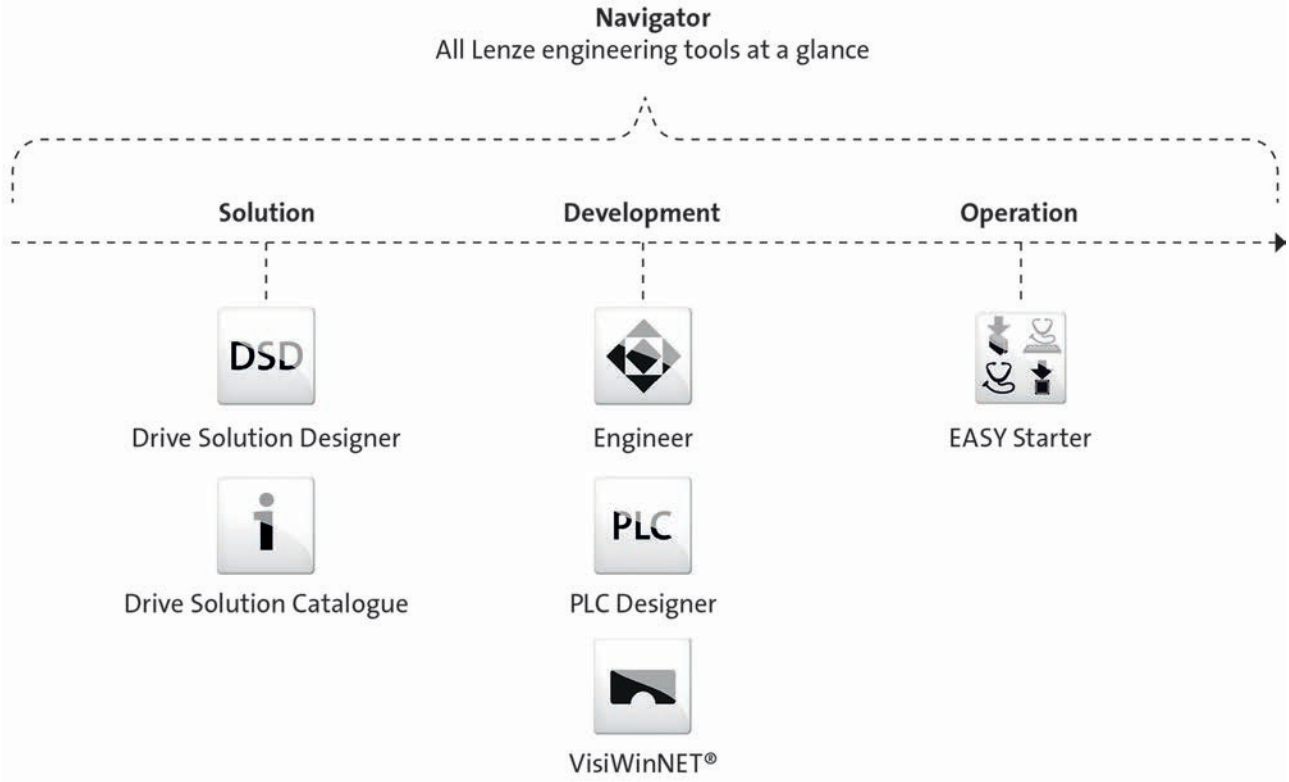


# L-force product portfolio

## Controls

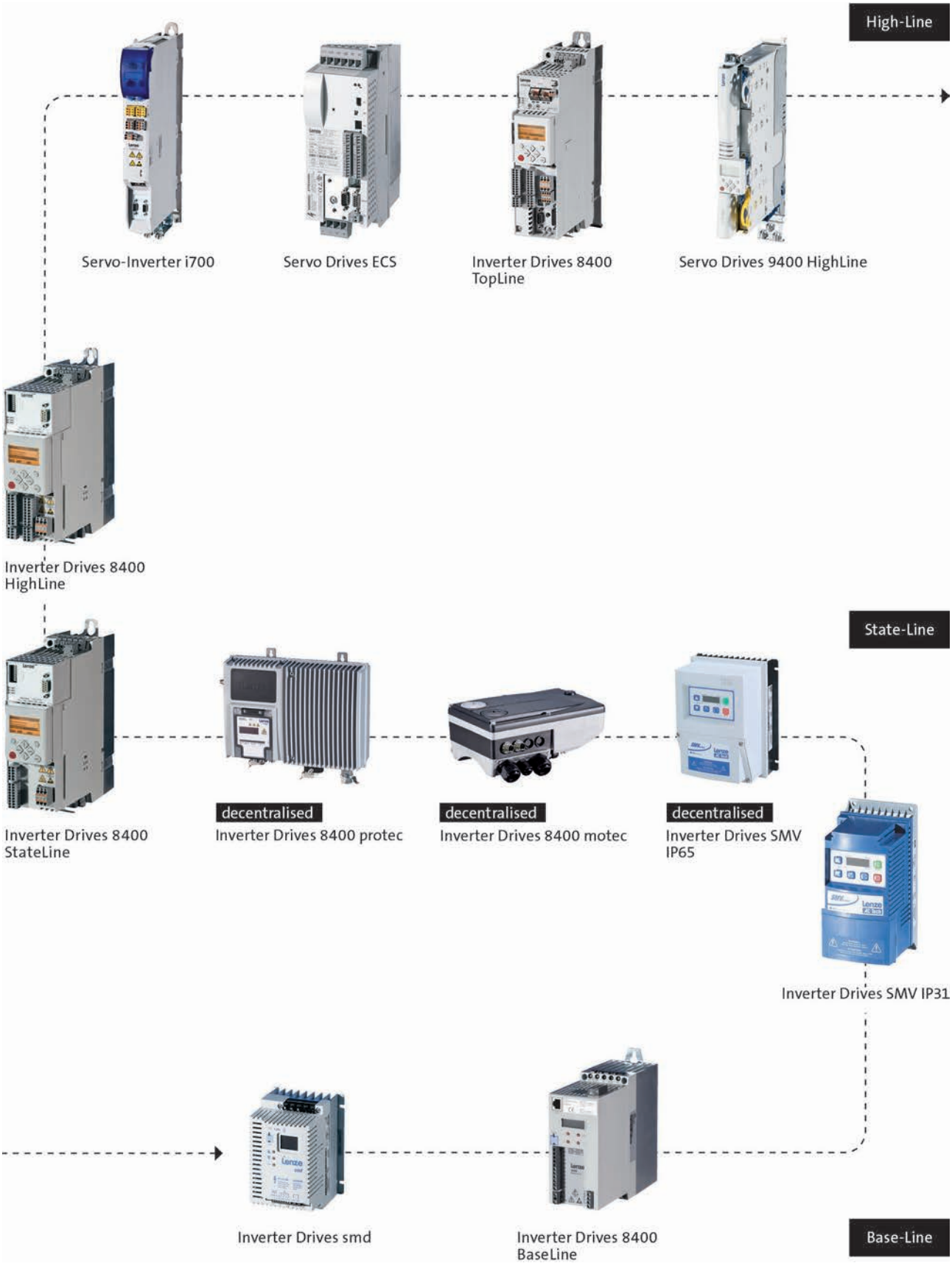



## Engineering tools



# L-force product portfolio

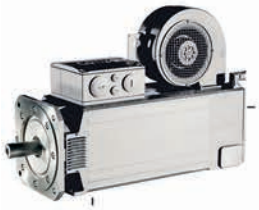
## Inverters



# L-force product portfolio

**Motors**

High-Line



MQA asynchronous servo motors

SDSGS synchronous servo motors

MDXKS synchronous servo motors

Synchronous servo motors MCS

Asynchronous servo motors MCA

Asynchronous servo motors SDSGA

State-Line

MF three-phase AC motors

MH three-phase AC motors

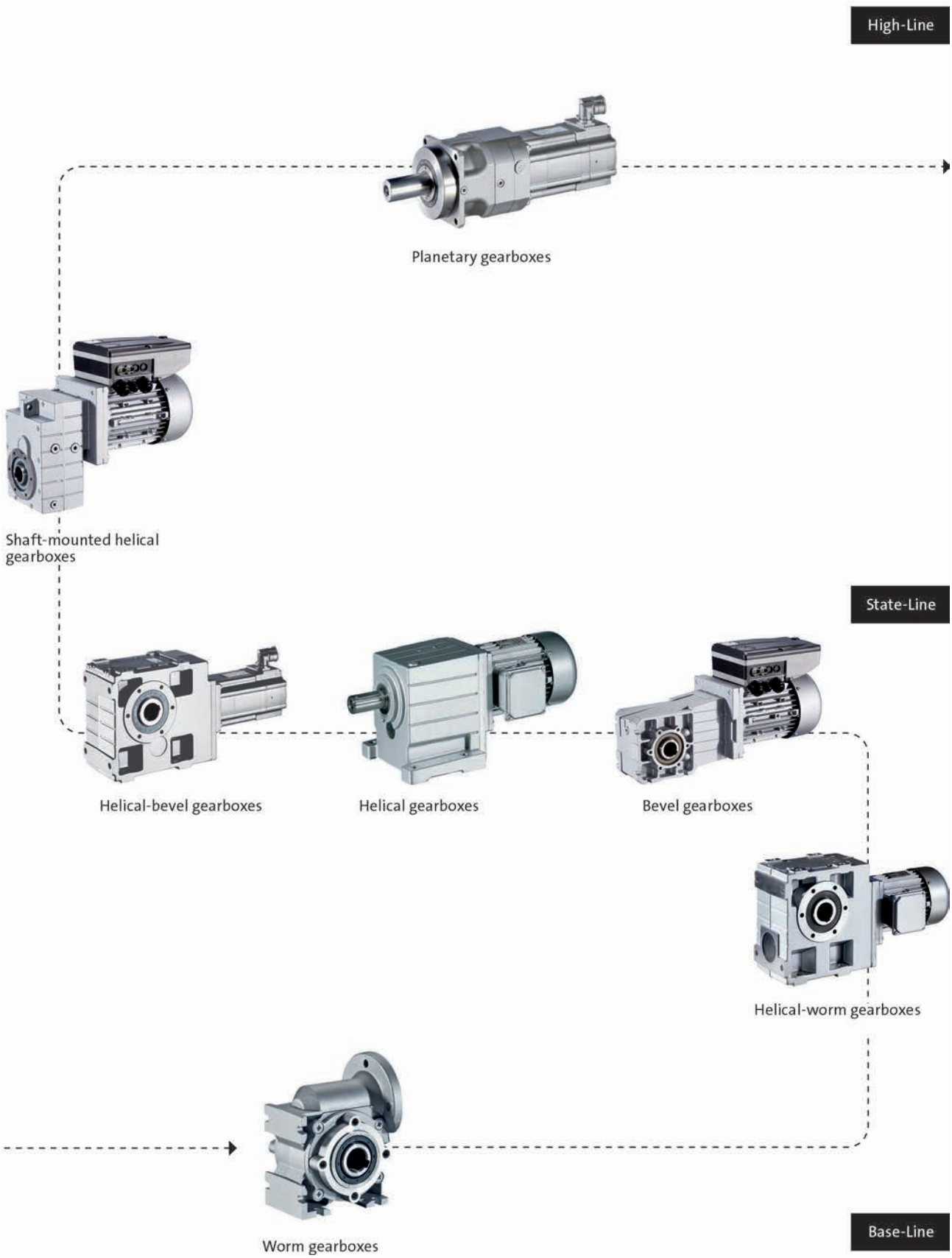
MD three-phase AC motors

Basic MD/MH three-phase AC motors

Base-Line

# L-force product portfolio

**Gearboxes**



Engineering Tools

# VisiWinNET®

## Product information

With the ever increasing complexity of machines, it is hard to imagine many modern installations without object-oriented systems for process visualisation. Visualisation or a human machine interface (HMI) – this is the interface between operators and machines. Visualisation applications are responsible for these tasks. The scope of requirements that these systems must meet is as diverse as the machines themselves. It ranges from machine-oriented HMIs for operator control + monitoring, all the way up to complex SCADA systems with the various stations as client or viewer. Support for all languages and fonts in unicode also secures the international application range of the system.

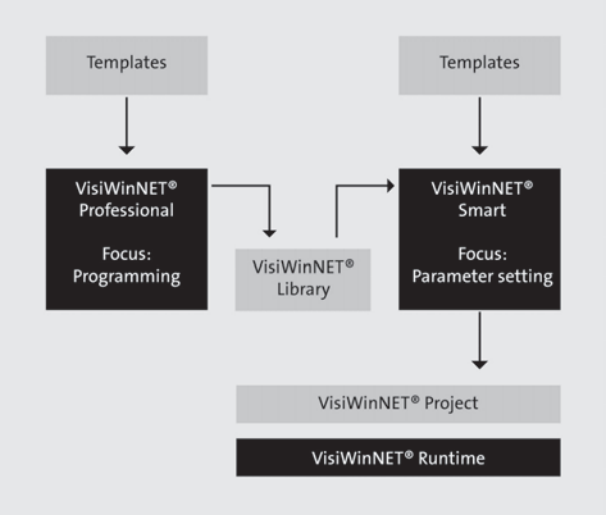
Based on the target system on which the VisiWinNET application is to run, various versions of the VisiWinNET runtime software can be used. The runtime software running on the target system has an influence on which version of the engineering software is required. Within the scope of Controller-based Automation, VisiWinNET® compact CE is used exclusively here.

In connection with industrial PCs from Lenze, advanced options are available when selecting the operating system and runtime software.

VisiWinNET® is available in two completely independent versions to allow different tasks to be performed independently and as effectively as possible.

**VisiWinNET® Smart**
VisiWinNET® Smart is a user-friendly visualisation system for basic interface design. As a flexible piece of software, it is particularly well suited to creating basic applications. VisiWinNET® Smart has its own integrated full-graphic development environment and supports users with predefined templates.
One special strength of the system lies in its ability to be combined with VisiWinNET® Professional.
VisiWinNET® Smart is used for machine-oriented applications and for basic B&B applications.

**VisiWinNET® Professional**
The VisiWinNET® Professional system is fully integrated into the Microsoft® Visual Studio .NET development environment.
The special efficiency of L-force Visu VisiWinNET® really comes to the fore when VisiWinNET® Smart and Professional are combined.
VisiWinNET® Professional can be used to develop specific machine modules and control elements, which are then integrated in Smart using the VisiWinNET® Configurator for further processing.
Further fields for which VisiWinNET Professional can be used include database connections or comprehensive report functions, such as those used for producing FDA-compliant (Food and Drug Administration) machine operations.



## Product information

The combination of the two development systems VisiWinNET® Smart and Professional leads to a particularly efficient deployment range. VisWinNET® Professional can be used to develop specific machine modules and control elements, which are then integrated in Smart using the VisiWinNET® configurator for further processing.

This extremely convenient function allows users to define functions that are used again and again in line with their own specific requirements - this is the VisiWinNET® modular principle.

**VisiWinNET® for Controller-based Automation**

| Mode | Features | Operating system of controller | Product key |
|---|---|---|---|
| VisiWinNET® | | | |
| Smart | • Single user license<br>• Engineering Software operating system: Windows® XP, Windows® 7<br>• Licencing: USB dongle | Windows®CE | 7710100065 |
| Professional [1)] | • Single user license<br>• Engineering Software operating system: Windows® XP, Windows® 7<br>• "MS Visual Studio .NET" 2008 is also required.<br>• Licencing: USB dongle | | |

[1)] On request

► Delivery with USB dongle as a hardware copy protection.

## Product information

Industrial PCs with VisiWinNET® as visualisation system, are provided with different operating systems. When ordering the VisiWinNET® engineering software, define the operating systems on the target system on which you want to use the software. This results in the required licence level. If VisiWinNET® is already available in a lower licence level, an upgrade licence can be used to increase the number of supported target system operating systems.

**VisiWinNET® for industrial PCs**

| Mode | Features | Operating system of target | Product key |
|---|---|---|---|
| VisiWinNET® | | | |
| Smart | • Single user license<br>• Engineering Software operating system: Windows® XP, Windows® 7<br>• Licencing: USB dongle | Windows® CE | 7710100065 |
| | | Windows® CE<br>Windows®Embedded | 7710110065 |
| | | Windows® CE<br>Windows®Embedded<br>Windows® XP | 7710120065 |
| | | Windows® CE<br>Windows®Embedded<br>Windows® XP<br>Windows® XP client/server | 7710130065 |
| | • Upgrade from Windows® CE to XPe | Windows® CE<br>Windows®Embedded | 7710101065 |
| | • Upgrade from Windows® XPe to XP | Windows® CE<br>Windows®Embedded<br>Windows® XP | 7710111065 |
| | • Upgrade from Windows® XP to XP Client/Server | Windows® CE<br>Windows®Embedded<br>Windows® XP<br>Windows® XP client/server | 7710131065 |
| Professional [1)] | • Single user license<br>• Engineering Software operating system: Windows® XP, Windows® 7<br>• "MS Visual Studio .NET" 2008 is also required.<br>• Licencing: USB dongle | Windows® CE | |
| | | Windows® CE<br>Windows®Embedded | |
| | | Windows® CE<br>Windows®Embedded<br>Windows® XP | |
| | | Windows® CE<br>Windows®Embedded<br>Windows® XP<br>Windows® XP client/server | |
| | • Upgrade from Windows® CE to XPe | Windows® CE<br>Windows®Embedded | |
| | • Upgrade from Windows® XPe to XP | Windows® CE<br>Windows®Embedded<br>Windows® XP | |
| | • Upgrade from Windows® XP to XP Client/Server | Windows® CE<br>Windows®Embedded<br>Windows® XP<br>Windows® XP client/server | |

[1)] On request

► Delivery with USB dongle as a hardware copy protection.

Web version

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