

Conveying  
the best  
solutions.

# 1

## **Developing ideas**

Are you looking to build the best conveyor 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 for conveyor systems. 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 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.

# 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 want to optimise an existing system or develop a new machine for a conveyor system. We always strive to make things easy while seeking perfection. This is anchored in our thinking, in our services and in every detail of our products. It's as easy as that!

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 simple principle to meet the ever more specialised customer requirements in the field of mechanical engineering 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 all your materials-handling tasks - no more and no less. Our L-force product portfolio, a consistent platform for implementing drive and automation tasks, is invaluable in this regard.

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## Ensuring productivity

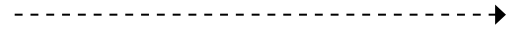
Productivity, reliability and new performance peaks on a daily basis – these are our key success factors for your conveyor. After delivery, we offer you cleverly devised service concepts to ensure continued safe operation. The primary focus here is on technical support, based on the excellent application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

From the  
idea to  
commissioning  
and onwards.


Are you looking for a high degree of reliability and productivity in intralogistics? Lenze delivers the best results, especially in the warehouse, airport and postal & parcel areas – based on efficient reliable concepts developed from our long-standing extensive experience.

No matter whether you need a continuous or a dynamic conveying system, whether you are lifting or driving things into position, our versatile solutions and wide range of products provide you with a smooth and energy-efficient in-plant material flow. Take advantage of an individual, efficiently structured partnership with powerful, high-quality drive solutions tailor-made for you, all from one source.

## In 5 steps

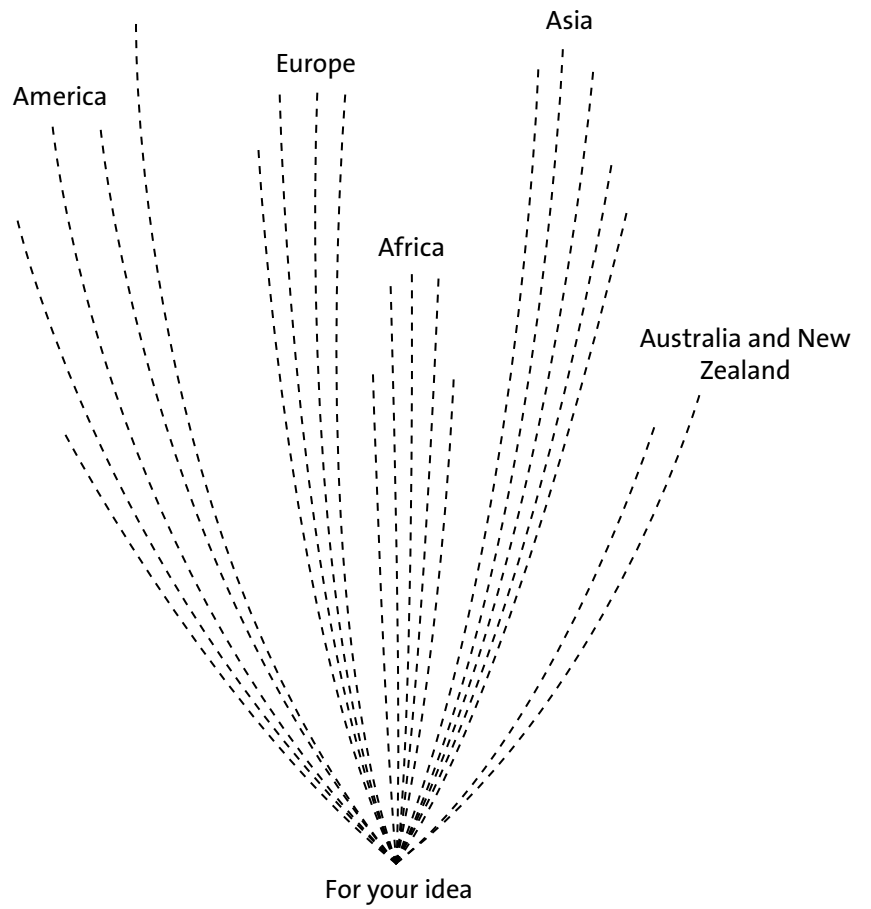


We work together with you on your idea, starting with the optimal planning of individual subsections or complete conveyor systems and continuing all the way through to production. Afterwards, our worldwide after sales service team is never more than a call away.

The background image shows a complex industrial assembly line. It features multiple levels of metal frames, conveyor belts, and various mechanical components. A prominent blue plastic bin is visible in the upper middle section. The machinery is brightly lit, and the overall scene conveys a sense of modern manufacturing technology.

Always  
one idea  
ahead.

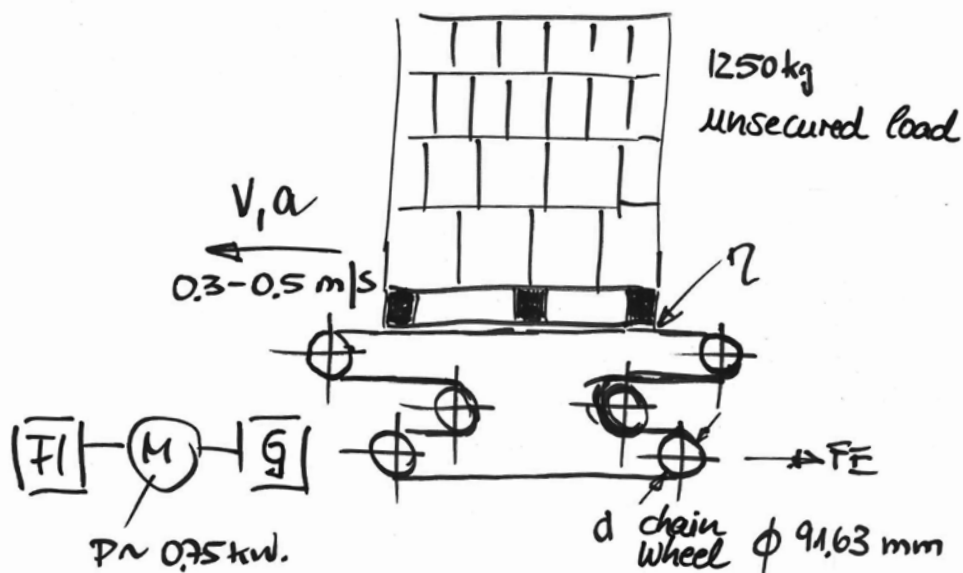
Lenze lends wings to your ideas – with many years of experience and globally correlated intralogistics know-how. Our extensive intralogistics network within the Lenze Group encompasses numerous sales and application engineers, whose expertise is applied to every single solution. Outside the Lenze Group, we join forces with competent partners in collaboration projects and development work.



# This is where your conveyor originates.

The best conveyors share a common origin: a ground-breaking idea. If you already have an initial idea for your conveyor, come to us and we will help you to put it all down on paper.

Whether we are creating small, very detailed innovatory steps or completely new conveyor systems, together we develop an intelligent, sustainable concept that is precisely tailored to your requirements.







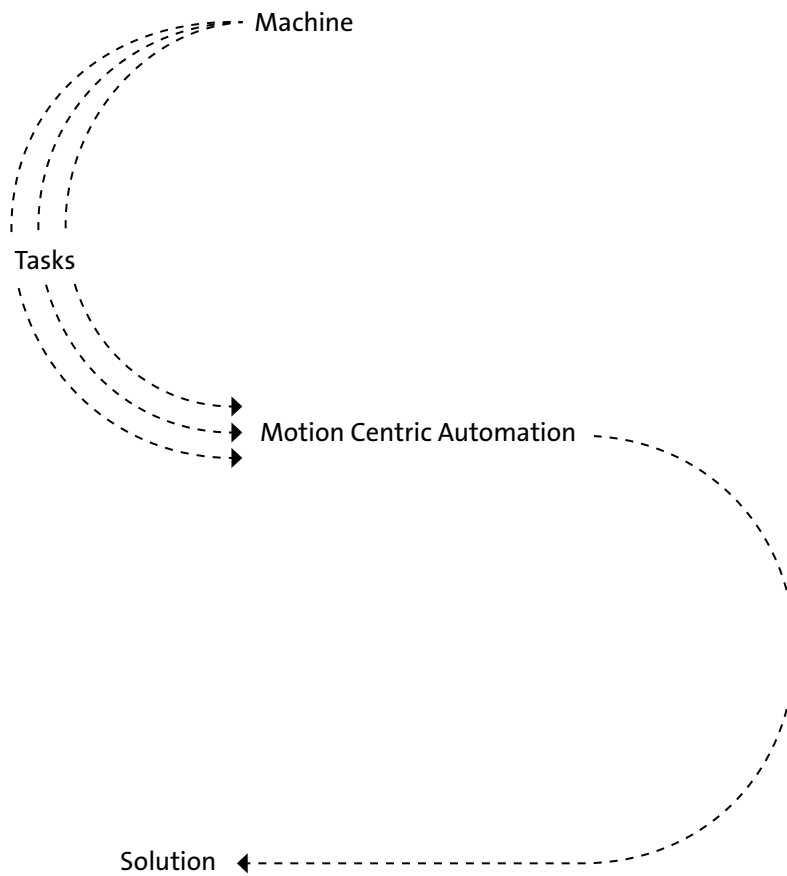
In implementing reliable high-performance conveyor and warehousing technology and a dynamic material flow, you benefit from our great competence and extensive expertise, which is reflected in our international references. The bottom line for you:

- effective solutions
- high cost-effectiveness
- innovative technology
- outstanding reliability

The Lenze BlueGreen Solutions we offer are specially designed to meet your increasing demands for energy-efficient machines and installations. On the one hand, we show you how such solutions can be used to create energy-saving drive solutions and, on the other, how they help you to comply with important standards and legislation.

A photograph of a complex industrial machine, likely a textile loom, with a dense grid of white and purple components. A white rounded rectangle is overlaid on the right side of the image, containing the text "Straight to the heart of innovation." in a bold, black, sans-serif font. In the bottom right corner, a black motor unit with a blue light and a "Lenze" label is visible.

**Straight to  
the heart of  
innovation.**



We see welcome challenges in your conveying tasks. We take a holistic view of the individual motion and control functions and draw up consistent,

end-to-end drive and automation solutions for you – keeping everything as easy as possible and as extensive as necessary.

# Lenze makes engineering easy.

We are one of the few providers in the market who can support you throughout your machine's development process – from the initial idea to after-sale service, from the control system to the drive shaft. We call it Motion Centric Automation.

You can rely fully on our sales and engineering experts. They quickly think their way into your machine concepts, understanding even the smallest details. In this way, we work with you to make your innovations marketable.

We offer you drive and automation systems for both central (controller-based) and decentral (drive-based) motion control. To meet your requirements optimally, we create the appropriate drive and automation topology, including safety engineering.

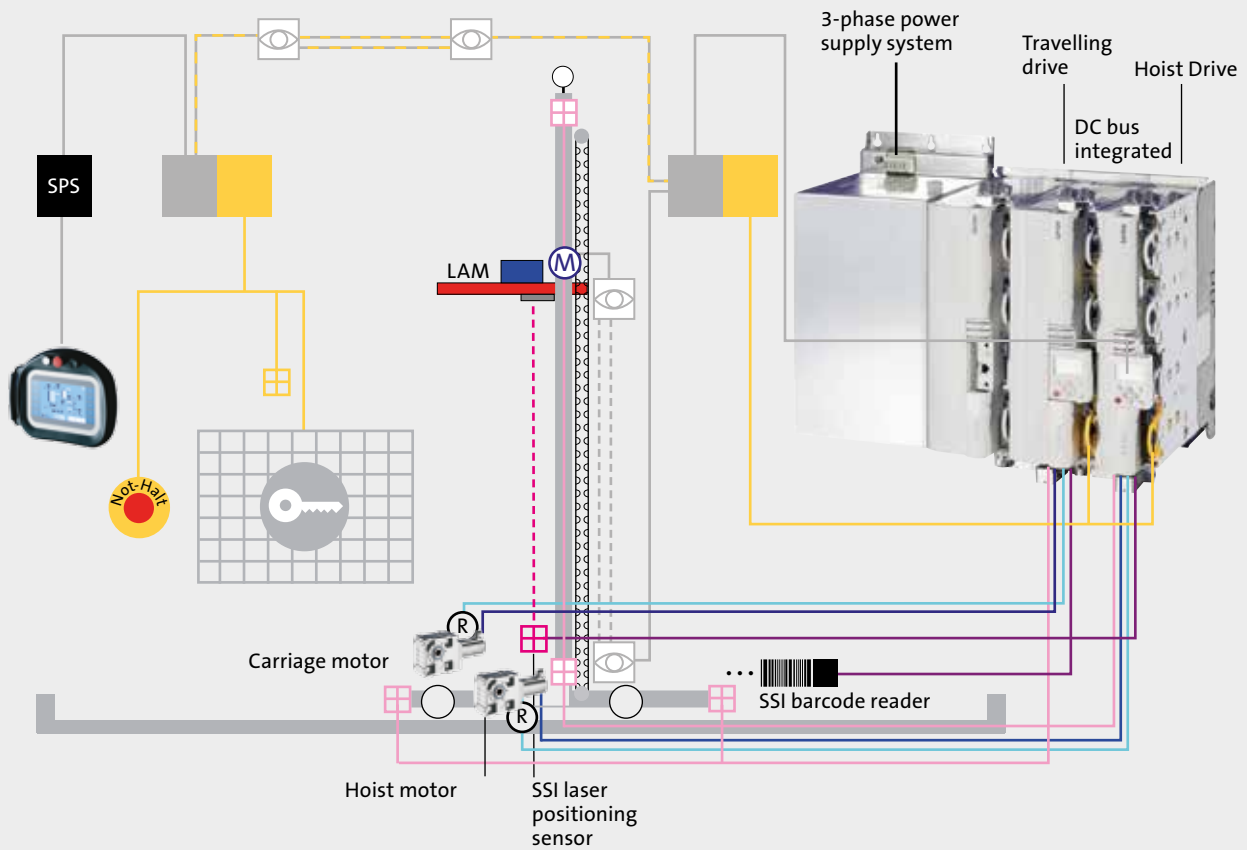
We also offer unlimited freedom in the implementation of modular machines. By using open standards and interfaces, we support the interaction between the machine and the machine modules, going beyond the normal boundaries of your system.

Lenze also simplifies engineering through the use of intelligent tools – in all phases, from planning to implementation:

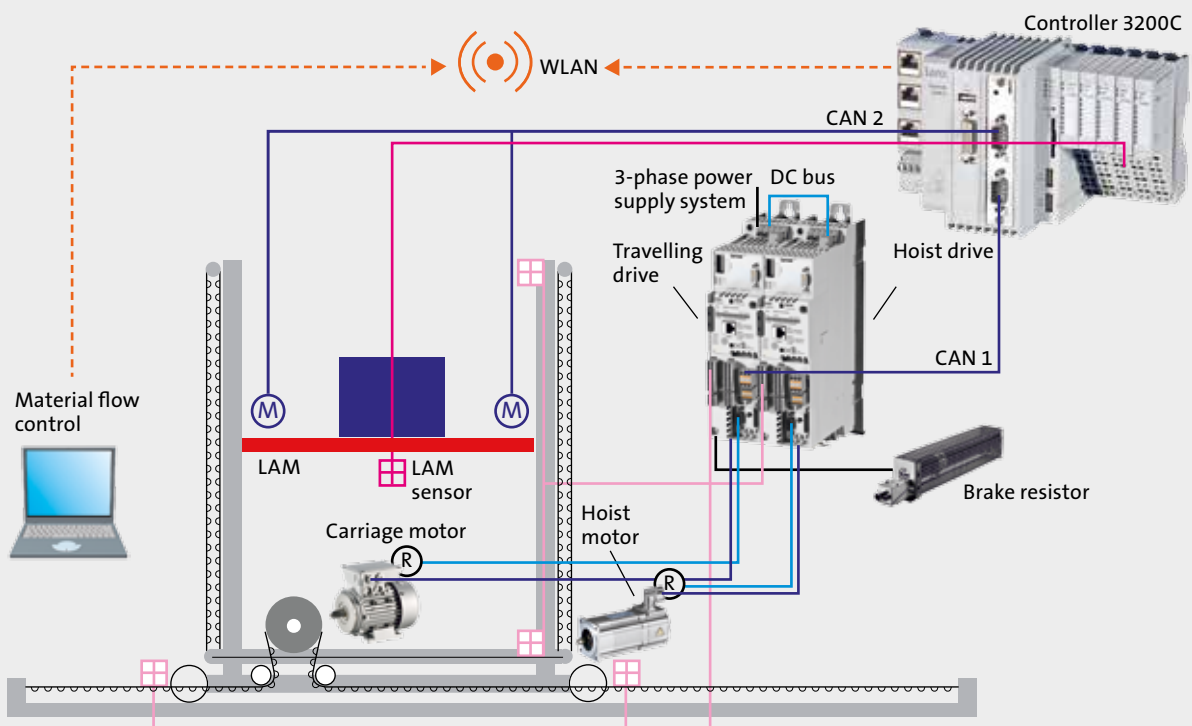
- by identifying optimisation potential when dimensioning drives, in reducing the number of variants, and in achieving the best energy efficiency.
- with customised, ready-made functions for warehousing systems to ensure very easy commissioning.



## Drive-based Automation, storage and retrieval system



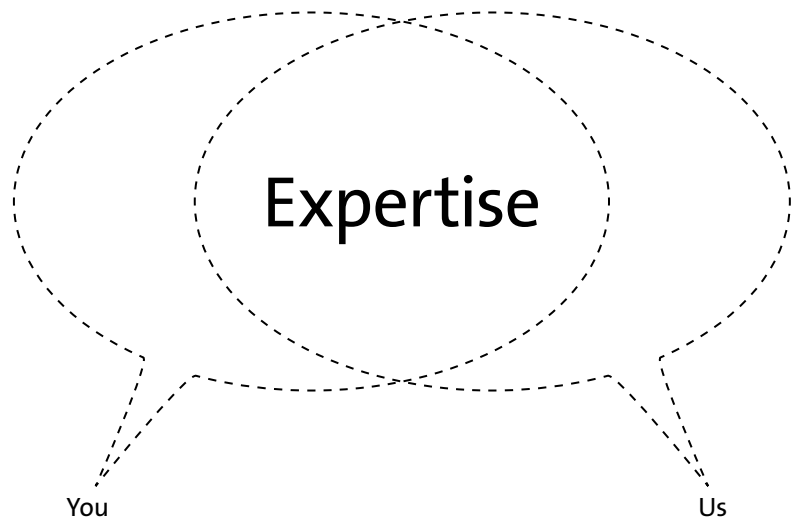
## Controller-based Automation, shuttle system





Together  
we develop  
solutions.

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



# Always with an eye for the best solution.

We develop future-proof sustainable solutions with you for your materials-handling systems. We can quickly and easily shape this process with ready-made solutions packages that are always geared to current intralogistic requirements, for instance:

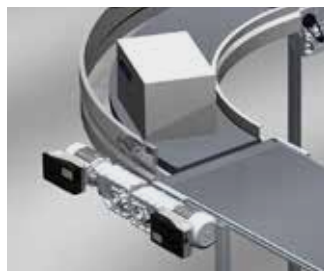
- mechatronic drive solutions for horizontal materials-handling systems
- buffer zone utilisation or reduction for storage and retrieval units
- safety engineering for storage and retrieval units
- energy efficiency in materials-handling and warehousing
- cold storage solutions for warehouses

With end-to-end advice and innovative software, our experts are on hand to help you design drives and select the right products, select the right products, carry out the configuration and the commissioning. The profitable result for you: a customised drive solution and lean processes across your value chain.

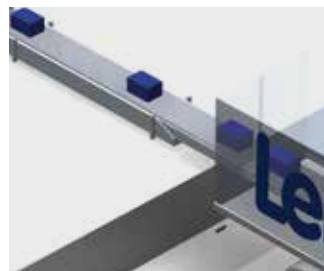




Roller conveyors



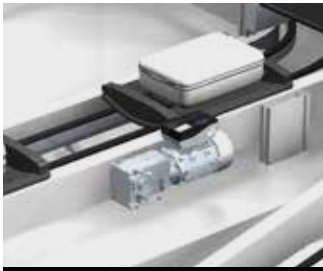
Belt conveyors



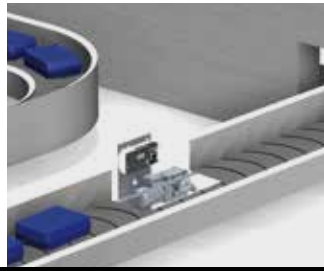
Telescopic conveyors



Ejectors



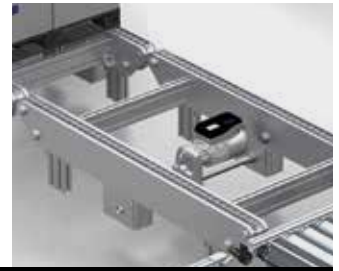
Tray conveyor belts



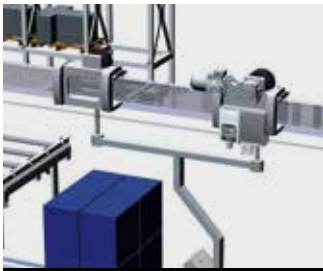
Reclaim



Turntables



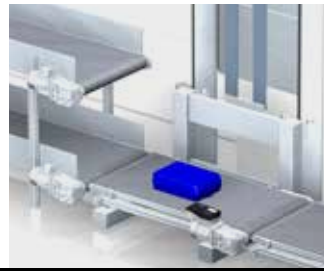
Chain conveyors



Monorail overhead conveyor



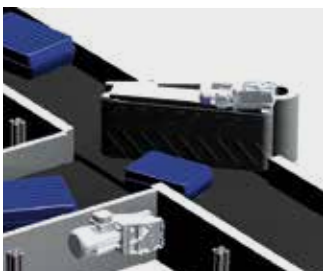
Shuttles



Vertical sorters



Accumulating rollers



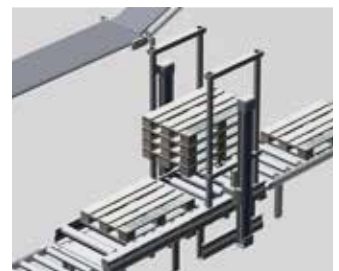
Pushers



Tilt tray sorters



Storage and retrieval units



Pallet stackers



Hoists

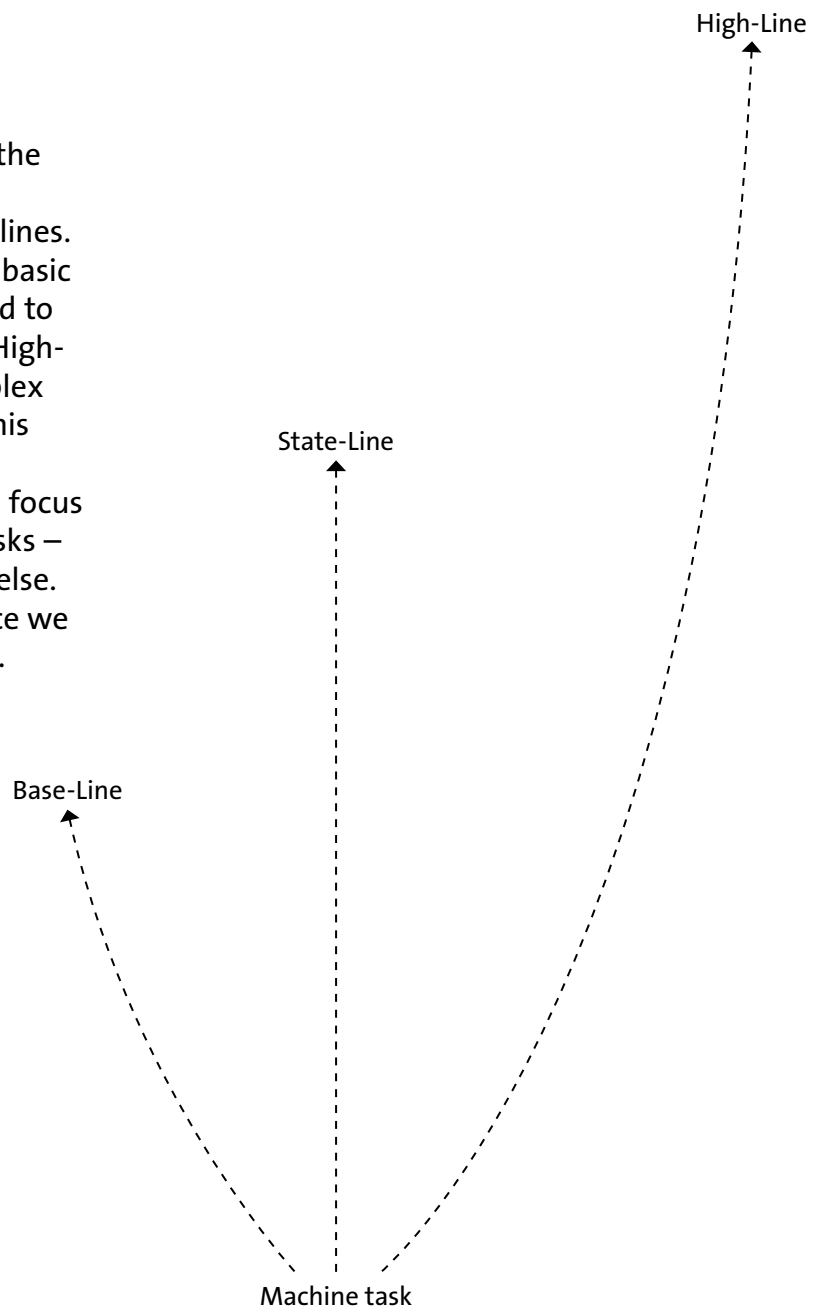


Palettizers



**We produce  
satisfaction.**

As easy as can be: you can select the right products to meet your requirements based on our three lines. Base-Line is the ideal solution for basic tasks, State-Line is perfectly suited to more comprehensive duties and High-Line is the ideal solution for complex and demanding machine tasks. This greatly simplifies your product selection process, allowing you to focus your full attention on your key tasks – while we take care of everything else. After all, we are only satisfied once we have exceeded your expectations.



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

## **The Lenze L-force product portfolio.**

As one of the few full-range providers, we can provide you with precisely those products that you actually need for any machine task – no more and no less. With our harmonised drive and automation portfolio, we make it easy for you to put together the products you actually require.

Count on powerful products with a major impact:

- easy commissioning with software tools
- easy handling
- high quality and durability
- energy-efficient operation
- reliable technologies in tune with the latest developments

The Lenze L-force product portfolio offers many solution options specially for intralogistics from one single source.

Two examples:

- in horizontal materials-handling systems you benefit from decentralised inverters and scalable geared motors. For instance, the Lenze Smart Motor reduces the number of variants by up to 70 %.
- in warehousing technology, where special demands are placed on speed and precision, you can use our controllers and servo technology, the product of experience and the latest trend-setting innovations.

Our worldwide order management and global logistics concepts guarantee smooth distribution processes.



## Controllers

We provide you with high-performance automation products – from modern motion controllers for use in control cabinets to a compact I/O system and powerful HMIs for visualisation.



### Inverters **Control cabinets**



**Servo Drives 9400 HighLine:** extremely versatile for demanding jobs.



**Inverter Drives 8400 TopLine:** achieve dynamic performance and precision with ease.



**Inverter Drives 8400 StateLine:** provide motion in complex applications.



**Inverter i500:** focused on essentials for extensive machine tasks.

### Inverters **Decentralised**



**Inverter Drives 8400 motec:** get conveyor drives moving.

## Motors



**MCS synchronous servo motors:** ensure top performance in even the tightest of spaces.



**MCA asynchronous servo motors:** the ideal solution for dynamic applications.



**m500-P three-phase AC motors:** efficient handling of basic and extensive machine tasks.



**MH three-phase motors:** extremely efficient motors.  
**MF three-phase AC motors:** compact and efficient drive applications..



**Lenze Smart Motor m300:** one single motor for many applications.



**m200-P three-phase AC motors:** for basic machine tasks in continuous motion.

## Gearboxes



**g500-S shaft-mounted helical gearbox:** space-saving and efficient.



**g500-B bevel gearbox:** for maximum efficiency.



**g500-H helical gearbox:** rugged high-efficiency design.

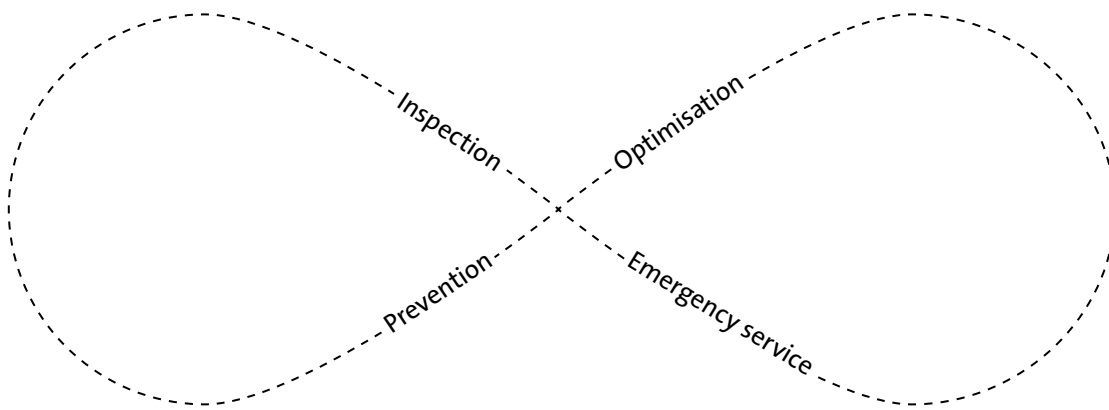
High-Line

State-Line

Base-Line



**Maximum  
operational  
performance.**



Productivity, reliability and new peak performance on a daily basis – these are our key success factors for your tailor-made conveyor. We offer you well-thought-out service concepts to ensure continued safe operation.

Benefit from the expert support provided by our experienced after sale specialists: Lenze inspection, Lenze prevention, Lenze optimisation and Lenze emergency service.

A global service  
tailored to you.



## Lenze inspection

### **What is the current status?**

You know your machine extremely well. We work together with you to create a basis for taking the appropriate measures. For example, we identify weak points or risks and tap valuable performance reserves. One thing is certain: with us, your machine is in the best hands.

## Lenze prevention

### **Prepared for the unexpected.**

Our comprehensive preventive service is the ideal way to minimise potential risks to your machine. We support you in increasing machine availability and minimising reaction times and downtimes in the event of faults. This saves you time and money – and soothes your nerves.



## Lenze optimisation

### **Making good things even better.**

We ensure that your systems work perfectly and show you intelligent optimisation possibilities: this includes reducing your energy costs, shortening your set-up times for production changeovers, or improving efficiency. We take care of it.

## Lenze emergency service

### **Perfectly equipped to handle any challenge.**

You can also rely on us in the event of an emergency. We make extensive preparations for potential problems. Should something unforeseen ever occur, we will make sure that your systems are back up and running quickly and also perform an in-depth error analysis. With us, your projects are in safe hands.

We are keen to help get your ideas moving forward! Learn more about our approach, our ways of thinking, our vision and how we can make things easier for you in future. Please feel free to contact us directly or visit us at:

**www.  
Lenze.  
com**

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