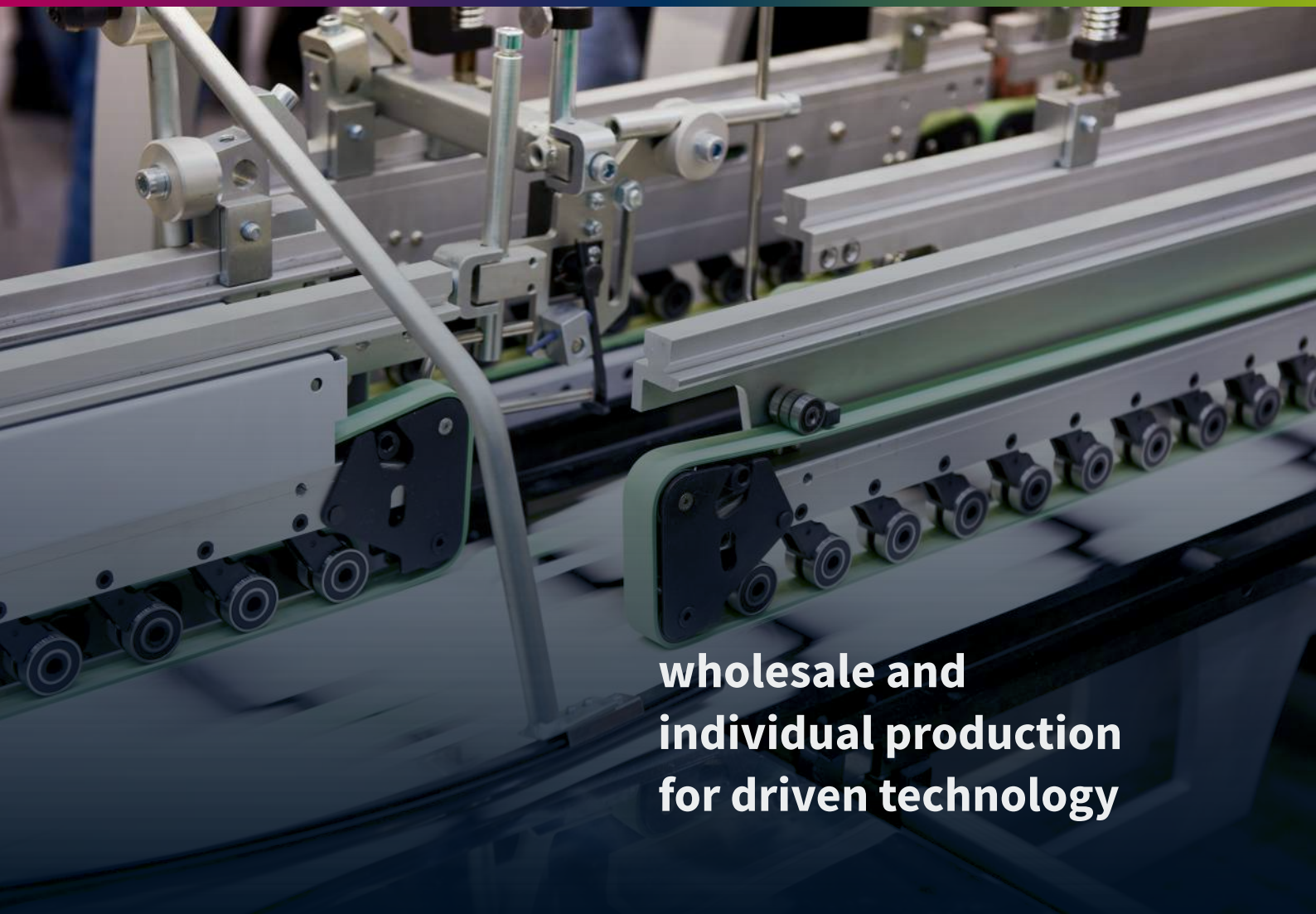


Bearings · Linear Guides · Industrial products · Production

Laeppche.de



**wholesale and
individual production
for driven technology**

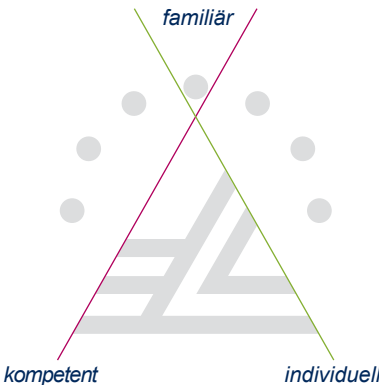


We live in a time in which business models have ever shorter life cycles. We are not only adapting to change, but actively and sustainably shaping it. These challenges create new opportunities. They have never been greater than they are today.


Hendrik Laeppché
CEO

Competence in 3rd generation

We are a family-run company in its third generation. In our future orientation, we look back on longstanding traditions and remain true to our fundamental values.



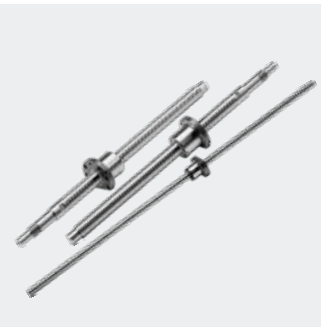
Family is not only the history of the company, but also the relationship with our longstanding customers and suppliers. Our account managers convince with product knowledge and **competent** advice. Our solutions are always **individually** tailored to the needs of our customers and adapted to their general requirements.



BEARINGS

As one of the largest retailers in Germany, we stock over 7 million articles. We are certified contractor for manufacturers of quality brands.

page 4



LINEAR GUIDES

In our fully automated high-bay warehouse we stock around 30,000 different articles and raw materials in lengths of up to 6,000 mm in various working materials.

page 8



INDUSTRIAL PRODUCTS

In addition to our portfolio, we also offer a large selection of supplementary pneumatic, hydraulic and industrial components in the field of industrial technology.

page 12



PRODUCTION

Special solutions are parts of our standard repertoire. Prototype construction, CNC, turning and milling work - we also manufacture small series from quantities of 1 upwards.

page 16

SERVICES

page 20

COMPANY

page 22

Large levels of stock

Rolling bearings and linear articles are distributed over 18,000 m² of storage space in a total of 6 warehouses. You have the choice of 7 million articles in the rotary sector alone.

Over 170,000 article types

Our diverse range of over 170,000 types of articles ensures short delivery times. The range includes DIN articles as well as prototype construction.

Quality brands

We only work with renowned suppliers and manufacturers and are official authorized dealers of market-leading quality brands. Our own brand ELW completes the portfolio.

Special bearings

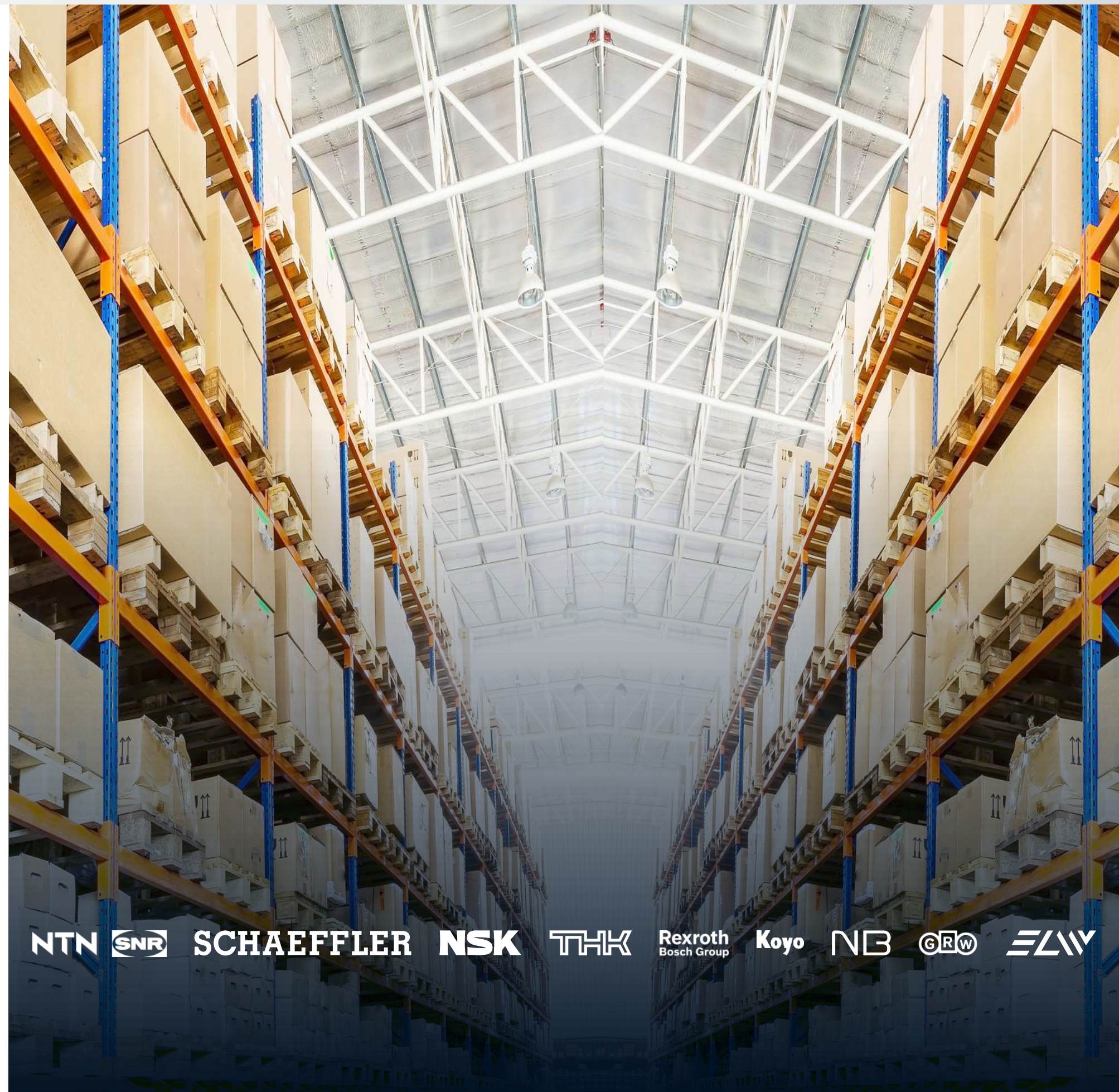
In addition to the standard range, we also maintain a stock of special bearings. Additionally, we offer services in the field of special bearings: Special greasing, special coatings, special materials or special designs.

Fast shipment

We constantly optimize our dispatch and ensure your just-in-time delivery. The delivery by standard shipping is carried out within 24 hours in 92% of all cases.



Reg.-Nr.: Q1 0105083



NTN

SNR

SCHAEFFLER

NSK

THK

Rexroth
Bosch Group

Koyo

NB

GRW

ELW



Radial Ball Bearings

Ball bearings are the most versatile of all bearings: with radial or axial load of carrying capacity, with a variety of seals, materials, lubricants and sizes.

MOTOR AND PUMP CONSTRUCTION, CONVEYOR TECHNOLOGY, DENTAL EQUIPMENT, AEROSPACE



Radial Roller Bearings

Roller bearings are suitable for heavy, shock loads and where space is limited at high load ratings.

VIBRATORY ROLLERS AND PLATES, COMPRESSORS, MOTORS, WIND TURBINES



Axial Ball Bearings

Axial ball bearings mainly support high axial- as well as slight radial forces.

MOTOR AND PUMP CONSTRUCTION, PROPELLER SHAFTS, CRANES



Axial Roller Bearings

Axial roller bearings mainly support high axial forces. They usually consist of two levels and rollers arranged either in a cage or without.

CRANES, DIFFERENTIAL GEARS, EXTRUDERS, DRILLING EQUIPMENT, ROLLING MILLS, MARINE PROPULSION SYSTEMS



Track Rollers

Track rollers are special designs of radial needle roller bearings. They have solid rings and a thick-walled outer ring.

INTERNAL COMBUSTION ENGINES, VEHICLE TRANSMISSION, CHAINSAW, OFFSET-PRINTING MACHINES



Bearings for Screw Drives

Bearings for screw drives are special designs. These include angular contact thrust ball bearings, needle roller/ axial cylindrical roller bearings and accessories such as seal carriers.

CONVEYOR TECHNOLOGY, HANDLING TECHNOLOGY, FIXTURE CONSTRUCTION, LIFTING GEAR



Housing Bearings

Housing bearing differ in design, size, material and shaft mounting type. They compensate for misalignments, have low requirements on the adjacent construction and mounting.

FOOD PROCESSING MACHINERY, FILLING PLANTS, CONVEYOR TECHNOLOGY, CONSTRUCTION MACHINERY, AGRICULTURAL MACHINERY



Slewing Rings

Slewing rings absorb radial, axial and tilting moment loads. They are suitable for oversized constructions with high loads.

CONVEYOR TECHNOLOGY, PLANT CONSTRUCTION, STEELWORKS, WIND TURBINES, MINING AND QUARRYING, SHIPBUILDING, OFFSHORE



Polymer Composite Plain Bearings

The plain bearing are low-noise and allow high surface loads. They ensure maintenance- free operation and are suitable for small radial or axial installation places.

FILM PACKAGING MACHINES, BAG FILLING MACHINES, CASE ERECTORS, BEVERAGE VENDING MACHINES, ICE CREAM MACHINES



Spherical Bearings

Spherical plain bearings compensate very well for shaft misalignments, are partly maintenance-free and suitable for rough operating conditions.

BRIDGE CONSTRUCTION, CONSTRUCTION MACHINERY, BAG FILLING MACHINES, CASE ERECTORS, BEVERAGE VENDING MACHINES, FILLING PLANTS



Precision Bearings

These are mountable precision bearings for high precision applications with combined loads.

MACHINE TOOL SPINDLES, PRECISION MACHINERY, RACING-WHEEL BEARINGS, CLUTCH THRUST BEARINGS, FLYWHEELS



Accessoires

Numerous rolling bearing accessories form part of our portfolio. These include shaft sealing rings, retaining rings, precision nuts, rolling elements, lubricants and lubricant dispensers.

LCN - Linearcenter Nord AG

The linear technology sector is our second mainstay. This includes the sale and processing of linear articles, linear systems and special solutions in the area of contract manufacturing. Our largest linear center in the north meets almost every requirement.

Machinery

The LCN hall is equipped with a long goods rack and a well-developed machine park. Modern (CNC, NC) and conventional machine tools of the market leading manufactureres offer all common machining options.

Processing

Common turning and milling work, CNC turning, sawing and various special services are also available. With our special equipment, in addition to common materials, induction-hardened surfaces can be also be processed.

High stock level

A fully automated high rack contains approx. 17,000 different linear articles in lengths up to 6,000 mm in one piece. The inventory in the linear range amounts to a total length of 35,000 m.

Raw materials

The common materials are steel and corrosion-resistant steel. Rare raw materials, such as stainless steel, aluminum and titanium are held in stock for special orders.

Measuring systems

Manufactured parts are subjected to a multi-stage quality control process. We have various measuring instruments and systems at our disposal for this.



**wholesale and
individual production for
mechanical engineering**



Monorail Guidance System

A monorail guidance system consists of a guideway and a carriage. Rolling elements are used in the LM block to reduce friction on a linear rail.

BEAM WELDING MACHINES, BOOKBINDING MACHINES, PACKAGING MACHINES



Miniature Guideways

They are compact and suitable for the smallest of spaces. The balls in the carriage work in circulation.

MEASURING INSTRUMENTS, MEDICAL TECHNOLOGY, OPTICAL DEVICES PLACEMENT SYSTEMS



Linear Modules

Linear modules belong to the group of driven linear axes and are constructed on a modular principle. They can be driven via ball screw, toothed belt or electric linear drive.

PACKAGING MACHINES, INDUSTRIAL ROBOTS PORTAL SYSTEMS



Track Roller Guidance

Track roller guidance systems compromise a guideway and one or more carriages. In contrast to profiled rail guidance systems, the track rollers here assume the function of the rolling elements.

HANDLING SYSTEMS, TEXTILE MACHINERY, WARP KNITTING MACHINE



Axel Emken

Production Manager Linearcenter Nord

»We'll make (almost) anything possible«

Today I am certain that my decision to train as a toolmaker was absolutely right at that time. I have made my vocation my profession and I enjoy it every single day. Every day there are new challenges and new solutions, which is what makes it so exciting. Regardless of the problem the customer comes to us with, we'll make (almost) anything possible.



Ball-/ Roller Screw Drive

The assembly consists of spindle, nut and rolling elements that convert a rotary motion into a linear motion.

MILLING MACHINES, NC-LATHES, SURFACE GRINDING MACHINES, PUNCHING MACHINES, ELECTRIC INJECTION MOULDING MACHINES



Flat Cage- and Linear Roller Guidance Systems

They are very suitable for small installation spaces with high load carrying capacity. For extreme loads and high precision, recirculating roller guidance systems are used between two linear rails.

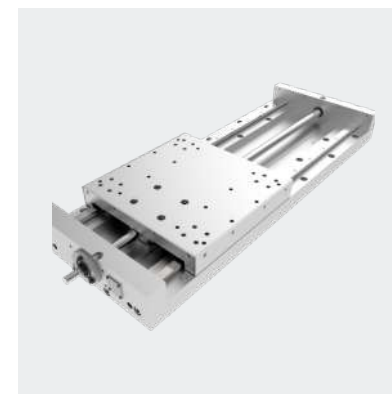
MACHINE TOOLS, TEST SYSTEMS FOR GRAIN, 3D-MEASURING, TRAFFIC ENGINEERING



Shaft Guides/ Guide Shafts

Shaft guides consist of shafts and linear bearings. The shaft can be designed as a solid shaft or hollow shaft and the linear bearings as ball bearings or plain bearings.

MEASURING INSTRUMENTS WIRE WINDING MACHINES, X-RAY COMPUTED TOMOGRAPHY, SEAT SHIFTING MECHANISM



Linear Tables

Linear tables are a combination of guiding and drive systems. They are used when a higher load must be moved on one or more axes.

POSITIONING SYSTEMS, TURNTABLES, SEMICONDUCTOR MANUFACTURING, MEDICAL TECHNOLOGY, MICROSCOPY, LASER STEEL CONTROL

Industrial products

Industrial articles are new in our program and complete our drive technology range. In our shop you will find a large selection of supplementary components for pneumatics, hydraulics and industrial needs.

Full product range

With the extension of our product range with additional industrial articles, our customers now receive all products for original equipment and maintenance from one source. Over 300,00 articles are in stock and available at any given time.

Quality

Only articles from well-known manufacturers as well as private labels that have passed through a multi-stage quality control are included in our product range.

Service

In the area of industrial articles, we offer a late order service. If your order is received until 21:00 on weekdays (on Fridays until 18:00) , it will be dispatched on the same day by GLS on request, for a fee.

Technical innovations

We are constantly expanding our delivery program. Product extensions are added and are available on our online shop under the menu item **NEWS** in chronological order.



Benefits of using the online-shop

We have invested a lot of time and resources to make your shopping experience as convenient and easy as possible. The shop offers you many advantages over conventional retail channels and saves you valuable time. We are still working on optimizing the shop for you.

Personalized customer section

The customer area offers an order history, outline agreement overviews, transfer of offers to the shopping cart and all sales documents. You can add items to a watch list, manage addresses and track shipment.

Article information

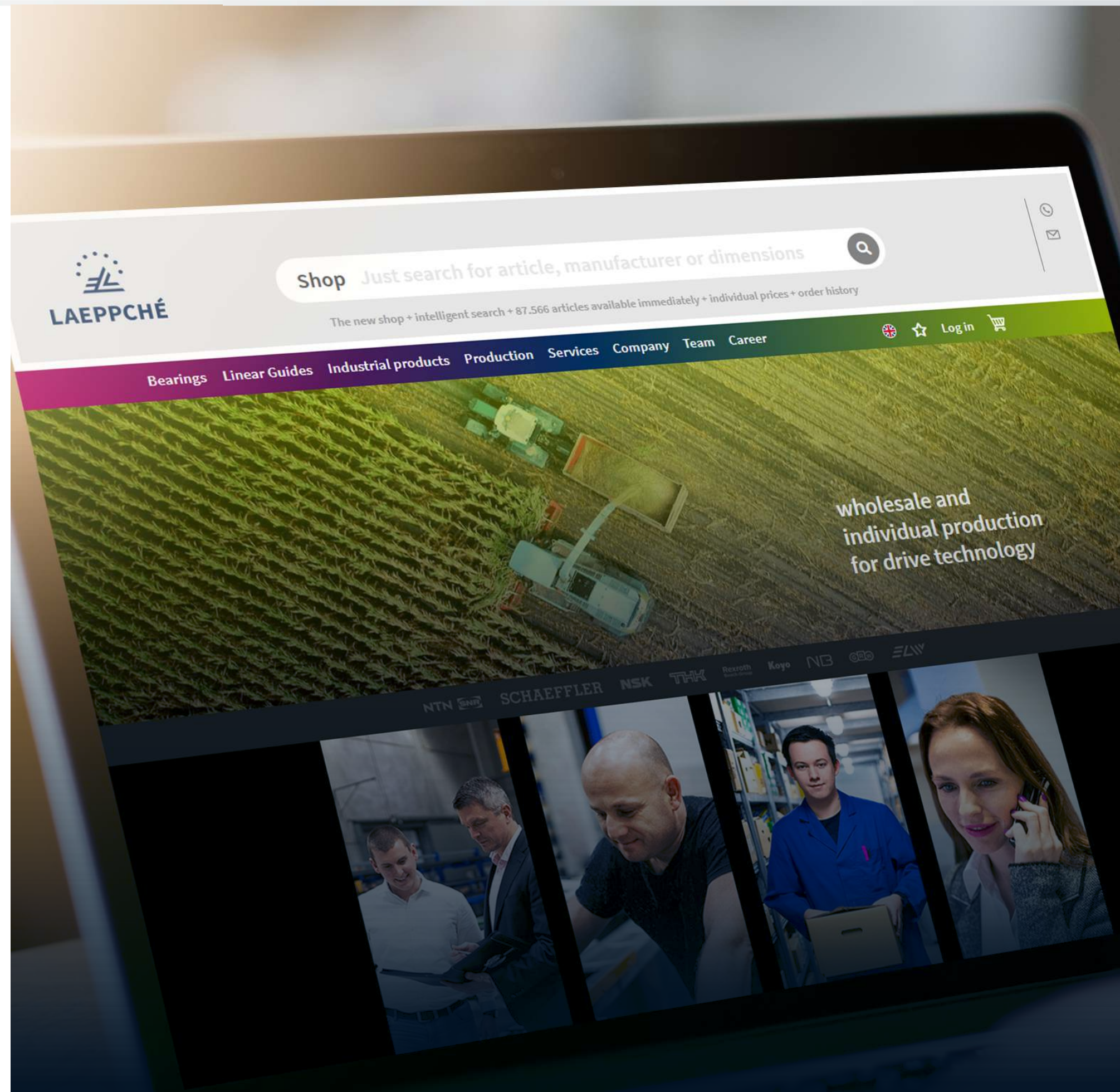
In the logged-in shop area you will always find a current stock display for each article as well as your individual price display. Data sheets and drawings are available for download.

Order and inquiry functions

You have the possibility to order your shopping cart or to ask for it beforehand. Shopping baskets can be saved and each order receives an individual order number. Optional additional information can be added to each item. In addition, there is the function of importing or exporting the shopping basket via CSV file.

Smart search

There is an intelligent full text search with auto-completion and fault tolerance are available. Dynamic filters, search by customer item number, customizable search results list (e.g. previously ordered items) and the display of accessory products and item alternatives simplify your purchasing process.





Prototype Manufacturing

We manufacture individual parts according to drawings or technical specifications. This allows us to produce spare parts for machines no longer in production or special solutions for mechanical engineering.



Subassemblies

Together with our customers we develop a suitable solution from the drawing to the production. We procure the raw material, manufacture the individual parts and deliver a complete solution from a single source.



Small Batches (1 to 50)

We are happy to take over the serial production up to 50 pieces for you. Our workflow as well as the raw material stocking is optimally designed for this.



Solid Lubrication

The polymer matrix stores and binds oil in itself. When friction against the metallic surface occurs, oil is released. This solution is ideal for use in maintenance-free applications and in humid environments, e.g. in the food industry.



High-pressure metal cleaning machine

Our service portfolio in the special area is supplemented by a metal cleaning. If required bearings can be up to a size of 1,000 mm can be mechanically degreased and cleaned. Services such as regreasing can thus be carried out by us professionally.



Completion according to samples

A new according to a sample does not represent a challenge for us. Just send us the unusual element, we will manufacture the replacement for you and deliver a ready-to-use unit.



Recirculation

If a current-insulated bearing is required, steel rolling elements can be replaced by ceramic rolling elements. This makes the bearing lubricant-free and allows it to be used in clean room application.



Ceramic Bearings

Ceramic bearings are ideally suited for extreme conditions. They are resistant to many acids and alkalis and high temperatures. The bearings are suitable for dry running and have lower coefficients of friction than chrome steel bearings.



Complete Bearing Units

We supply complete solutions for applications with particularly demanding external influences. The AgriHub is a maintenance-free combination with a specially developed seal that prevents lubricant from escaping and dirt particles from entering.

ELW: best price performance

ELW represents a comparable cost-effective alternative to conventional brands. The production takes place according to a defined quality standard.

Certified ELW-works

ELW's production plants are ISO-certified and are additionally authorized by us. Each article always comes from the same, previously specified factory.

Three-stage Qualitätskontrolle

Each article goes through a three-stage quality control process: inspection on site at the factory, immediately before shipment and on receipt of the goods.

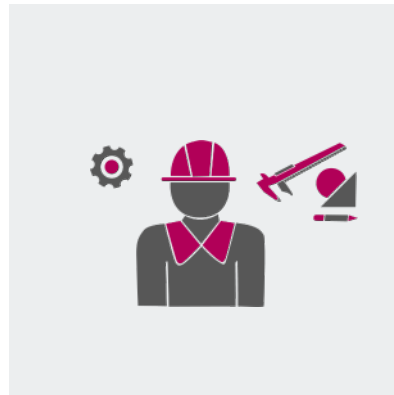
Large product range

The assortment of the ELW brand ranges from standard bearings with consistent quality to special designs according to drawings. Together with our customer we develop suitable solutions.

Special solutions

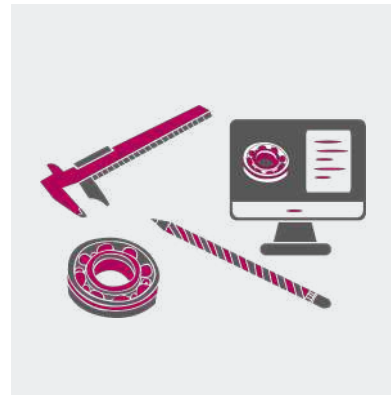
Special designs - also in the form of assemblies - can be manufactured according to samples or drawings. We also master special solutions in challenging areas, such as special lubricants or materials, with a lot of experience. We supply you with a complete solution from a single source, even in quantities of one unit.





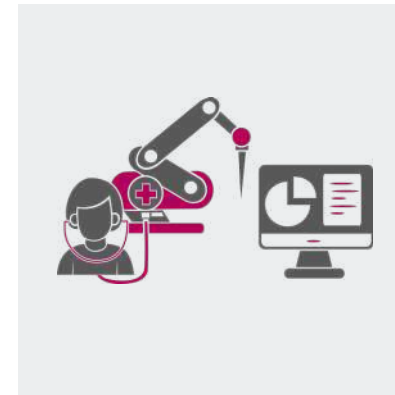
On-site support

We attach great importance to competent customer service and familiar contacts. With 8 locations throughout Germany we are always close to you. Our technical field service will assist you in all questions and will be happy to support you on site.



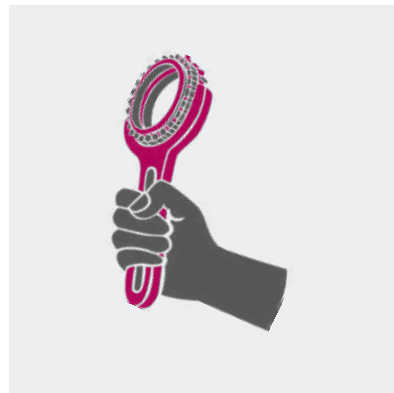
Design consulting

We have been gathering experience and know-how in drive technologies since 1950. With the professional competence of our account managers and engineers, we offer you design analysis and design optimization.



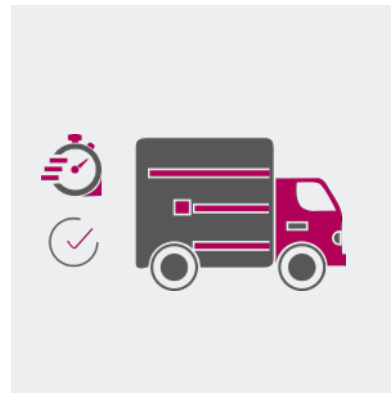
Damage analysis

With the help of our analysis laboratory, we can analyze the failure damage in detail. Optimizing the service life of rolling bearings reduces the maintenance costs of your application.



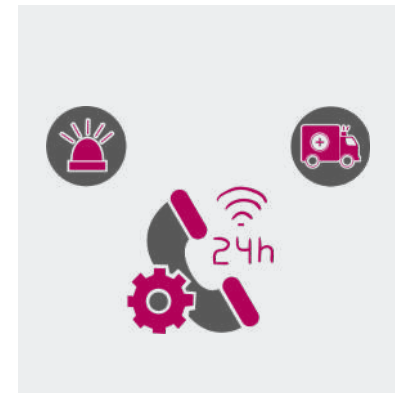
Assembly support

One of the most frequent reasons for premature bearing failure is improper mounting of the rolling bearings. In order to exclude this from the outset, we will be happy to support you in the assembly process, taking all factors into account.



Shipping

We work with renowned suppliers and manufacturers. Dispatch tracking, Nightstar, express delivery in excess lengths and labelling are part of our service.



Emergency hotline

0180.52 37 72 43
under this number you can reach us in urgent cases from 6:00 a.m. to 10:00 p.m. 7 days a week.

E-Services



Direct OCI connection (SAP) via the Laeppché online shop

Integration of your systems with our merchandise management system via common standards and myOpenFactory

Individualized invoices & delivery notes. Customer-specific article numbers and designations



Provision of export data in standardised formats, e.g. EDIFACT

Delivery labelling for freight forwarding consignments according to VDA and individual solutions on request

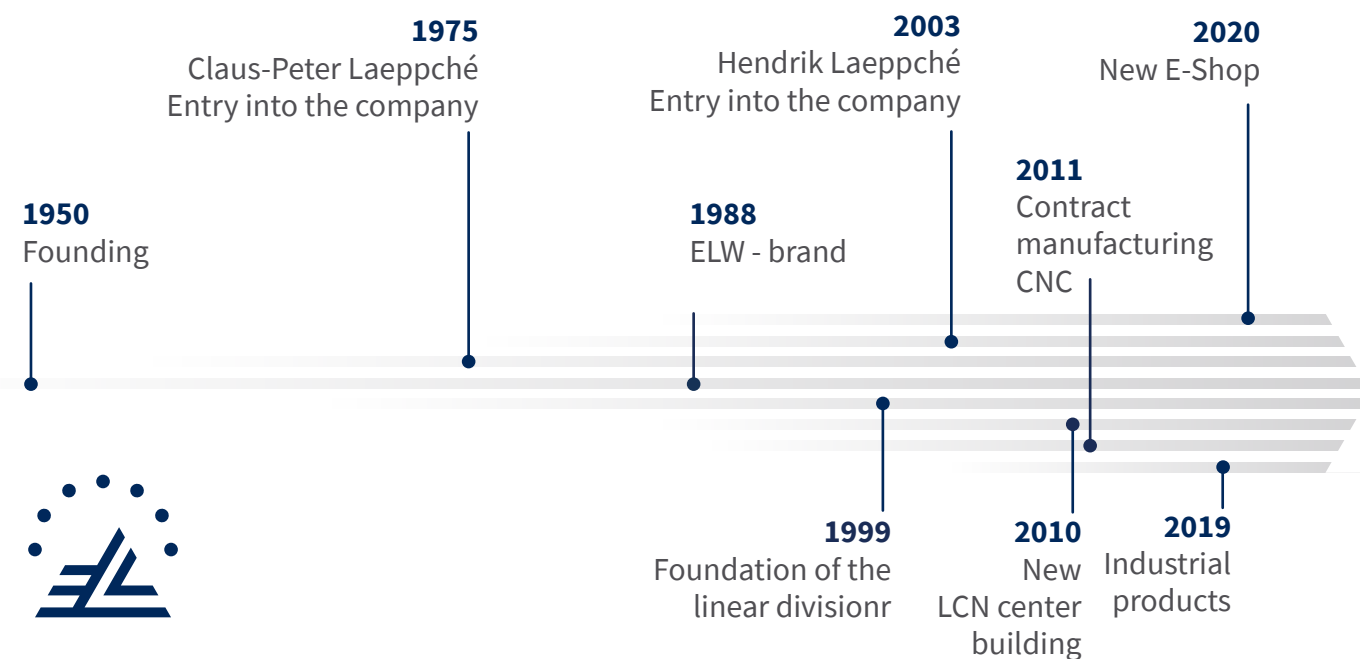
Tracking via tracking URL and customer order number



»Due to the ongoing digital transformation, more and more analog processes are disappearing and it is therefore important to provide technologies that meet current standards. This includes not only customer connections via EDI, a modern online shop and barcoding, but also the development of individual solutions in close cooperation with our customers.«

Eike Thellmann
IT & E-Commerce

Competence in 3rd generation

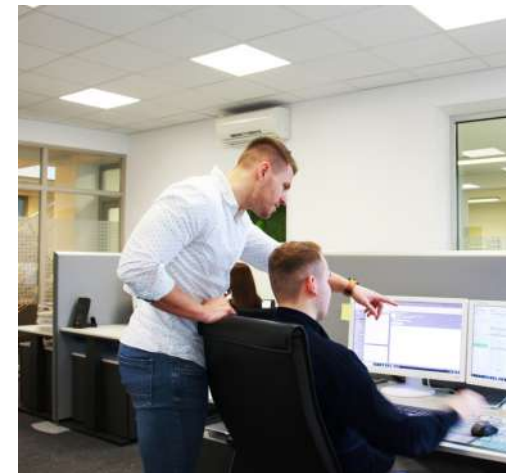


In May of 1950, the company founder Eisenhart Laeppché laid the foundation stone of our successful family business in Wilhelmsaven. Reliability, customer proximity and quality were already at the forefront at that time. This has remained unchanged to this day.



Modern workplace

As a modern employer, we take responsibility for our employees and create all conditions for your well-being. We support and motivate our employees in various ways every day. Attractive social benefits, modern ergonomi workplaces, further training and health promotion - we do not neglect these issues.



Teambuilding

Whether sporting events, leisure events or a meal together after work - we like to make time for each other and never miss any fun.

Qualifikation

The know-how of our employees is our capital. Specialist traning courses and seminars take place regularly, either in-house or, as required, externally. In addition, support is provided for training measures.

Employee

We work together every day to be a competent and service oriented service provider for our customers. The cooperation and commitment of each individual contributes significantly to our success.

WILHELMSHAVEN

An der Junkerei 27
26389 Wilhelmshaven
tel.: +49 4421 970-0
fax: +49 4421 970-132



info@laeppche.de
www.laeppche.de

HAMBURG

Kaiser-Wilhelm-Allee 2b
22926 Ahrensburg
+49 4102 678850 - 7
+49 4102 678850 - 9
hamburg@laeppche.de

LEIPZIG

Städtelner Str. 54
04416 Markkleeberg
+49 341 902909 - 01
+49 341 902909 - 05
leipzig@laeppche.de

MUNICH

+49 89 800738 - 25
h.desch@laeppche.de