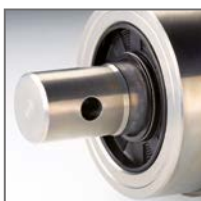


MOTION.  
EXPERIENCE.  
INNOVATION.

BLÄSSINGER 



ROLLER BEARINGS | PLAIN BEARINGS  
MINIATURE BEARINGS  
LINEAR TECHNOLOGY  
POWER TRANSMISSION  
LUBRICATION SYSTEMS  
SEALING TECHNOLOGY  
ADHESIVES, SEALANTS AND LUBRICANTS  
TOOLS  
PROCUREMENT ITEMS  
ASSEMBLIES  
TECHNICAL SERVICE

**TECHNICAL TRADE AND SERVICE**

A company of the  
**BLÄSSINGER**  
● ● ● GROUP



Added value



Scan QR-Code



E-mail contact

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Product illustrations courtesy of and with the permission of our supply partners.

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## TECHNICAL SERVICE

ADDED VALUE FOR YOU

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## MOVING MILESTONES



**Josef Blässinger  
founds the  
company in  
Stuttgart-West.**

BLÄSSINGER 

**1930**



Opening of  
the first branch in  
**Heilbronn.**

**1949**



Relocation to the newly  
built headquarter in  
**Ostfildern-Kemnat.**

**1969**



Josef, the father, steps down  
and hands over the manage-  
ment to his son Hans-Peter.  
Blässinger now has 50  
employees.

**1980**

Opening of  
the **Freiburg**  
branch.

**1986**

Blässinger is the first  
roller bearing distributor  
to open a branch in East  
Germany, in **Jena.**

**1990**



Blässinger acquires  
the SKF distributor  
Schaumlöffel in  
**Hamburg**,  
establishing the  
Hamburg branch.

**1999**

Blässinger  
acquires the com-  
pany Neuhaus,  
which is merged  
with the Essen of-  
fice. Together they  
move to Bochum  
to establish the  
**Bochum** branch.

Blässinger  
introduces its  
own **VBB** brand  
of bearings.

**2001**



Till Blässinger joins  
company management.  
He now runs the family  
business together with  
his father Hans-Peter.



Blässinger Wälzlagertechnik  
GmbH acquires the bear-  
ings and linear technology  
of the Carl Siebert  
GmbH & Co. KG.

Opening of the **Kassel**  
branch after the  
integration of BWI.

**2004**



# EXPERIENCE AND EXCELLENCE

## WELCOME TO BLÄSSINGER

For more than 90 years, we at Blässinger have been providing enhanced added value for our customers with our products and services in bearings, linear and power transmission. For both original equipment (OEM) and maintenance (MRO), we bring expertise, quality, flexibility and innovative spirit.

We are a traditional family-owned business and I am already the third generation to run the company. With 13 locations and more than 190 employees in Germany, Austria and Switzerland, the BLÄSSINGER GROUP is one of the leading distributors of roller bearings, linear technology and power transmission. We aim to support our customers with high-quality products from renowned manufacturers to ensure smooth cost-optimised production.

As a technical wholesaler we source and stock the full spectrum for our customers, whether they need individual items for maintenance requirements and special machine construction or large quantities for original equipment requirements – we cater to all.

We also focus on the procurement and production of special bearings, which differ from standard products in terms of their particular design and special materials.

Customer accessibility is our strength and we attach great importance to customer service. You can obtain advice on technical applications from our engineers and technicians at eleven locations in Germany as well as one in Austria and one in Switzerland. They are specialists with in-depth knowledge of our products, many years of experience and great expertise.

I would be delighted to have the opportunity to impress you with our extensive product portfolio and our customer-oriented services and would be happy to provide you with our expert knowledge.

Kind regards,



Till Blässinger  
Managing Director



Founding of the subsidiary Blässinger Engineering Service + Technologie GmbH (BEST), which deals with products and services related to machine tools.

**BLÄSSINGER**  
BEST Blässinger Engineering  
Service + Technologie GmbH

**2005**

Opening of the new 1,000 m<sup>2</sup> warehouse to provide additional storage space in Kernnat.

First own assembly and packaging of linear technology and power transmission products started.

**2008**

Foundation of Blässinger GmbH in **Liezen (Austria)**.

**BLÄSSINGER**

**2009**



With the introduction of the advisory board, Hans-Peter Blässinger takes over as chairman and leaves Till Blässinger as sole managing director, who continues to run the family business in the third generation.

**2013**

With the acquisition of **René Baer AG**, the Blässinger Group continues to grow and is now also present in **Switzerland**.

**baer**

**2014**

**85 years of Blässinger**  
Ten locations in three different countries and approx. 150 employees.

**2015**

Takeover of **WLA Schmiertechnik u. Hydraulik GmbH**

**WLA**  
Schmiertechnik | Hydraulik

**2019**



**Opening of the Rostock branch**

**90 years of Blässinger**

**2020**

Takeover of **Paul Willms Industriegroßhandel GmbH** in Wilhelmshaven

**Willms**

**2021**

Takeover of the **Bührig-Adam Wälzlager und Antriebstechnik GmbH** with branches in Hannover and Magdeburg

**BÜHRIG-ADAM**  
Wälzlager und Antriebstechnik GmbH

**2023**

# BLÄSSINGER

## INCREASE ADDED VALUE

Benefit from our product range  
as well as our product and process services

### Reduced inventory levels

- » Standardisation of products and brands
- » Inventory analysis and optimisation:  
Inventory reduction by reducing the variety of makes and identifying common parts
- » Kanban delivery with customer-specific products and quantities
- » Just-in-time delivery service
- » Consignment warehouse

### Optimised production and maintenance

- » Requirement-orientated configuration and production of parts (reproduction service)
- » Redesign of machine components after identification of critical machine parts
- » Delivery of kits and assemblies
- » 24-hour delivery service
- » Packaging of linear technology and power transmission

### Minimised procurement costs

- » Reduction of suppliers by concentration within product groups and with a broad product portfolio
- » Inventory analysis and optimisation:  
Cost reduction by recoding genuine spare parts
- » E-procurement: Reduction of purchasing process costs

With Blässinger at your side, you will be able to reduce your inventory levels, manufacture faster and save procurement costs. How does it work? We supply you and your production facilities with both standard parts and special parts just in time, which our broad and extensive

product range enables us to do. In addition, we will provide you with application consultation that is specially aligned to your individual requirements and not orientated toward any specific brand.

## MRO – MINDFUL MAINTENANCE

We want machines and systems to work economically as long as they are needed.

With competent knowledge of all aspects of the product portfolio, Blässinger supports its customers in making their maintenance processes efficient and sustainable.

To that end, our logistics centre has well over 30,000 products available immediately.

Our engineers are also happy to advise you on special bearings manufactured by our long-standing partners to proven quality standards.

## OEM – ORIGINAL EQUIPMENT FROM EXPERIENCED HANDS

The professional and comprehensive supply of original equipment parts is one of our core competencies. With well-known service and technology partners at our side, we offer high-quality overall solutions from a single

source. In order to meet the highest demands in terms of quality and reliability, we have been cooperating with the world's leading OEMs for decades.

## INDUSTRIES

The BLÄSSINGER GROUP supplies customers from a wide variety of industries such as:

- |                                 |   |   |
|---------------------------------|---|---|
| » Automation engineering        | » Generators                              | » Medical, measurement, control and regulation technology |
| » Construction                  | » Transmission repair & overhaul          | » Metal production and metal products                     |
| » Mining, stone and earth       | » Glass, clay, bricks and ceramics        | » Paper, publishers, printing                             |
| » Chemical industry             | » Wood & timber                           | » Security technology                                     |
| » Electrical engineering        | » Air conditioning and heating technology | » Textiles  |
| » Food & Beverage               | » Inland transport and shipping           | » Packaging machinery                                     |
| » Automotive engineering        | » Agriculture and farming                 | » Utilities   |
| » Research                      | » Aeronautics and aerospace               |   |
| » Building services engineering | » Mechanical engineering                  |   |

# A SUCCESSFUL PARTNERSHIP IS WORTH ITS WEIGHT IN GOLD

Our aim is to offer our customers added value in terms of quality, efficiency and innovation. We achieve this with enduring partnerships and premium manufacturers at our side. Only in this way can we guarantee our customers the latest technologies and the best solutions.



# WE ARE AN AUTHORISED SPECIALIST DISTRIBUTOR

As a certified and approved specialist distributor for branded products from Schaeffler, Freudenberg FST, SKF, THK and many other prominent manufacturers, we guarantee our customers safe and reliable purchasing from authorised and competent sources and thus assure the **highest standards of quality, professional expertise and services** for our products.

As an **'Authorized Industrial Distributor'**, we have to satisfy the most stringent requirements. Only sales partners who fulfil these requirements may position themselves on the market with an official label and certification as an authorised dealer.



Example: Certificates from Schaeffler and THK



Example: Label from SKF and Freudenberg Approved Partner



## OUR PRODUCT PORTFOLIO

- » Roller bearings | plain bearings
- » Miniature bearings
- » Linear technology
- » Power transmission
- » Lubrication systems
- » Sealing technology
- » Adhesives, sealants and lubricants
- » Tools
- » Procurement items
- » Assemblies

## BLÄSSINGER – ADDED VALUE FOR YOU

### The Blässinger service portfolio

In addition to supplying products that fulfil your specific needs, we also offer a comprehensive portfolio of services precisely tailored to meet your parts, warehousing and delivery requirements.

We assist you in the optimisation of your processes and help you to cut costs at the decisive points of your process chain. On request, our processing centre can also provide individually configured and fabricated solutions.



## TECHNICAL SERVICE FROM A – Z

- |  |   |                                    |
|--|---|------------------------------------|
| » Assembly/Disassembly Service         | » Equipment Identification with QR Code | » Project Management (Conversions) |
| » Condition Monitoring                 | » Individual Kit-Pooling                | » Re-Greasing and Special Greasing |
| » Consignment stock                    | » Kanban                                | » Same-Day-Shipping                |
| » Customer Specific Assembly/Packaging | » Laser Alignment                       | » Service hotline 24/7             |
| » Customer Specific Solutions/Items    | » Local Expert Consultation             | » Stock Analysis and Optimization  |
| » Dimensioning and Calculation         | » Maintenance                           | » Supplier Reduction               |
| » eBusiness                            | » Overnight Shipping                    | » Tool Rental                      |
| » Energy Savings Concepts              | » Packaging Concepts                    | » Training                         |
|  | » Phase-Out Management                  | » Transcoding                      |





# ROLLER BEARINGS | PLAIN BEARINGS

## FOR QUALITY AND ECONOMY

Our product range covers the entire spectrum of roller bearings. Spindle bearings, housing units and accessories as well as slewing rings, rolling elements, rod ends and spherical bearings, plain bearings and much more besides.

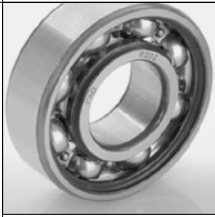
In the field of premium bearings we are partner to all major manufacturers. The demands made by the market and customers on the quality and cost of applications

are constantly increasing, and our targeted stocking and supply agreements with all major manufacturers enable us to deliver the product you need right on time.

We guarantee this by:

- » Our cooperation with leading manufacturers
- » A wide product range and high availability
- » The possibility to transcode bearings to common manufacturers

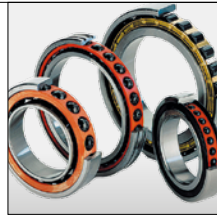
## PRODUCT RANGE



Deep grooved ball bearings



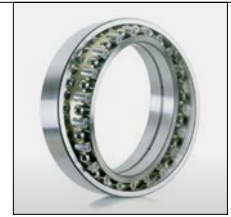
Angular ball bearings



Spindle bearings



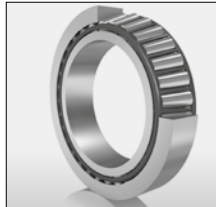
Miniature bearings



Self-aligning ball bearings



Cylindrical roller bearings



Tapered-roller bearings



Barrel roller bearings



Spherical roller bearings



Needle bearings



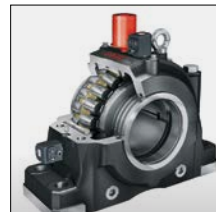
Freewheel systems



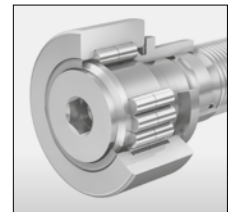
Axial bearings



Comb. axial/radial bearings



Housing units



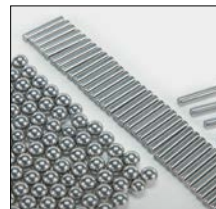
Castors and cam rollers



Insert bearing units



Sliding and spherical bearings



Roller elements



Accessories

## SUPPLY PARTNERS

SCHAEFFLER



TIMKEN  
Where You Turn



MOTION & CONTROL™  
NSK



Koyo



helgerit

... etc.

# SPECIAL BEARINGS – THE SOLUTION FOR SPECIAL CHALLENGES

Special challenges call for special solutions. Special bearings are used if none of the standard solutions from our extensive range can meet a customer's special requirements, but there is a solution for every

problem. Our engineers advise and work out unique solutions for individual cases. These special bearings are manufactured by our trusted partners to proven quality standards.

In addition to the complete new design of a special bearing, we can also modify bearings e.g. by pairing.

## CUSTOMER-SPECIFIC DESIGN AND PRODUCTION

Almost nothing is impossible, as we can confirm from our many years of experience. For example, we have already met the most unusual requests, such as:

- » Castors and bearings with maximum load ratings
- » Conversion of bearings to PTFE cover plates and PEEK cages for high temperatures
- » Ready-to-install special bearings and roller bearing assemblies
- » Insertion of grooves or fitting of the bearing clearance
- » Special greases for special applications
- » Grease distribution grooves and seal run-in for ready-to-install solutions and immediate commissioning

Please feel free to contact us. We are happy to advise you without obligation:  
[bearings@blaessinger.com](mailto:bearings@blaessinger.com)



Customer-specific special bearing



Paired tapered roller bearings with mounting flange



Spherical bearing with customer-specific pin



Brass cage, made in-house



Special support roller, double-row full complement roller



Plain roller bearings converted to sheet steel cage





**SAMPLE BEARING**



**RECONSTRUCTION**

## CUSTOMER-SPECIFIC CASE STUDY

### REPRODUCTION OF AN AXIAL ANGULAR BALL BEARING

A regional utility company uses several 5 kV high-voltage slip-ring motors. One system is overhauled each year, so the bearing types NU 328-E-M1-C3 and one TL-120 axial angular ball bearing are required regularly, but the TL-120 axial angular ball bearing is no longer sold by the previous manufacturer.

The system is a 5 kV high-voltage slipring motor:

- » Power: 650 KW
- » Voltage: 5,000 V
- » Current: 89 A
- » Speed: 985 rpm

We measured a sample bearing provided by the customer. We were able to manufacture the axial angular ball bearing with a contact angle of  $45^\circ$  completely using the existing machine tools and assemble it with newly manufactured assembly tools, thus ensuring that our customer can continue to use this system.

**Do you have any questions or a similar issue?**

Please feel free to contact us.

We are happy to advise you!



## CONTACT

bearings@blaessinger.com

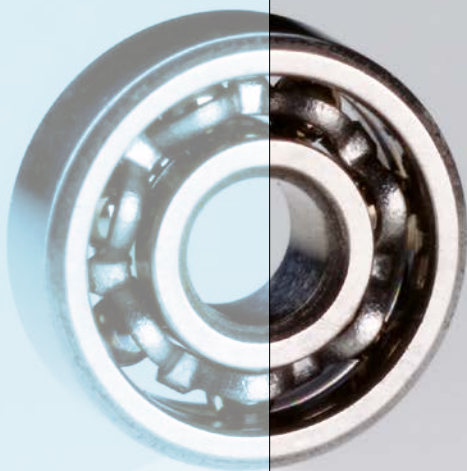


More info



Training

# MINIATURE BEARINGS



## IT'S THE DETAILS THAT COUNT

The little things often make all the difference. Without miniature bearings, our roller bearing range would be incomplete – even if the fine details can only be seen with a magnifying glass.

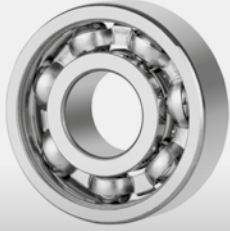
Miniature bearings can be found wherever accuracy and maximum reliability are particularly critical. Our customers use these high-precision roller bearings in precision engineering, metrology, electrical engineering, microelec-

tronics and aerospace engineering as well as in medical and dental equipment.

Our portfolio in the field of miniature bearings knows virtually no bounds. Are you looking for the smallest roller bearing in the world? Blässinger can deliver! In addition to deep groove ball bearings, we also offer spindle bearings and high-precision special bearings.



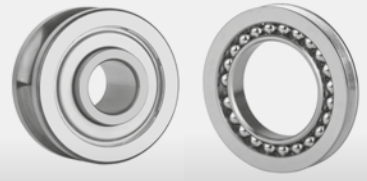
## PRODUCT RANGE



Miniature radial deep groove ball bearings



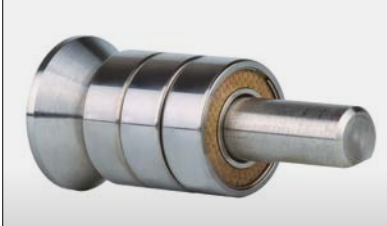
Miniature spindle ball bearings



Miniature Special bearings



Dental bearings



Miniature bearing units



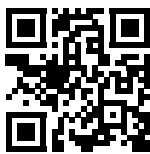
Accessories

## CUSTOMER-SPECIFIC DESIGN AND PRODUCTION

- » Special lubricants
- » Backlash-free ball bearing pairs
- » Design and manufacture of assemblies and bearing units



- » Limited starting friction torques
- » Coated bearings
- » Customer-specific marking of bearings
- » Kit assembly



More info



Training



### CONTACT

[miniaturbearings@blaessinger.com](mailto:miniaturbearings@blaessinger.com)

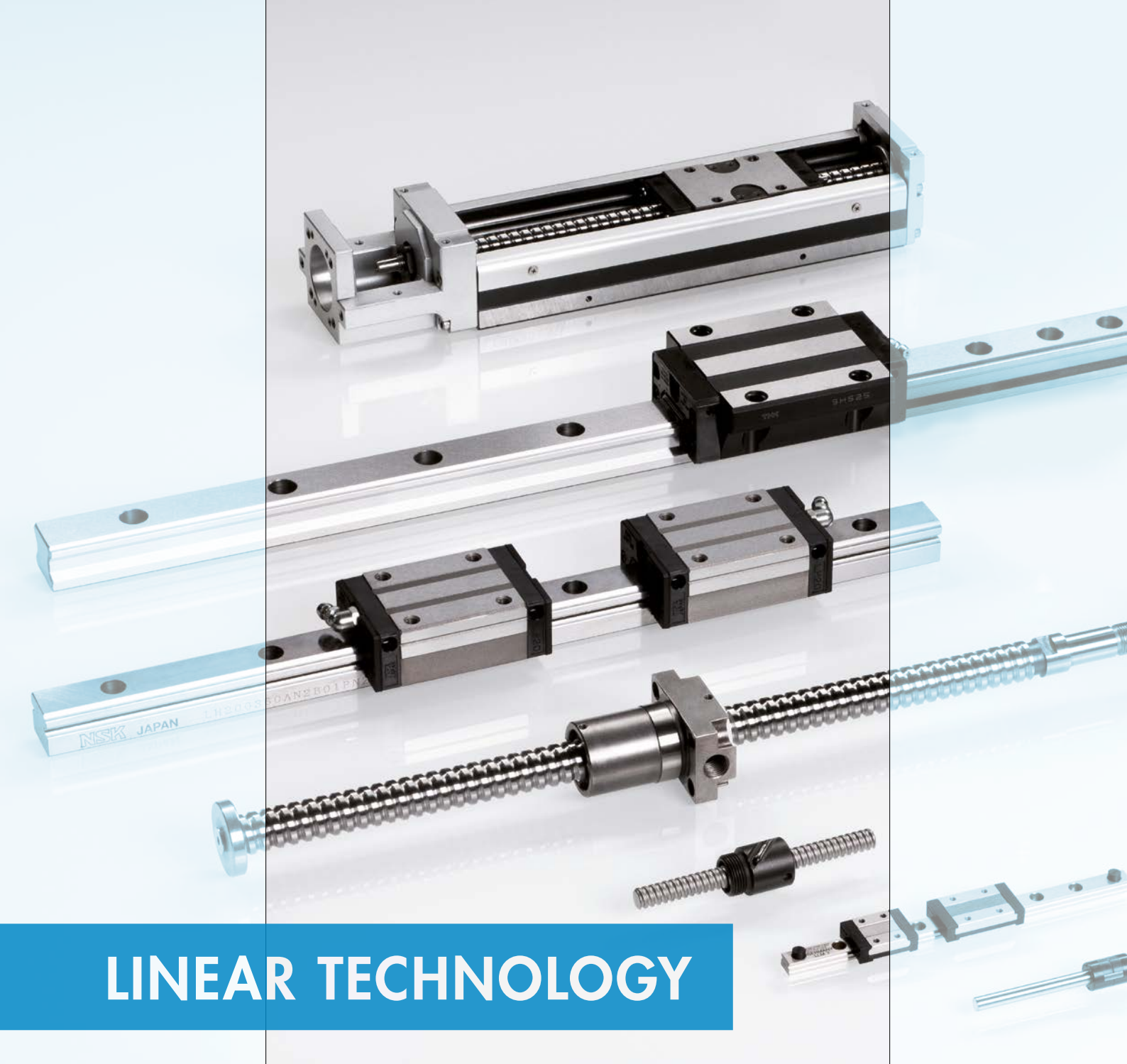
## SUPPLY PARTNERS



myonic



... etc.



# LINEAR TECHNOLOGY

## AT THE FOREFRONT OF MOTION

We cover the full range of linear products, including miniature products, and meet the highest demands in terms of load capacity, accuracy and rigidity.

We guarantee you competent advice and short delivery times for all linear products and their accessories thanks to our many years of experience and extensive stocks in our logistics centre.

## PRODUCT RANGE



Shaft guides



Profile rail guides



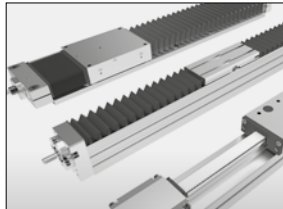
Track roller guidance systems



High precision rail guides



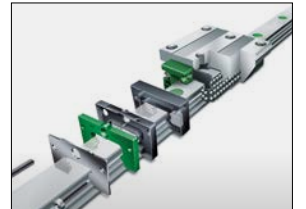
Screw drives



Powered linear units



Actuators



Other linear products and accessories

## CUSTOMER-SPECIFIC PRODUCTION TECHNOLOGY

### FOR SHAFT GUIDES

- » Shaft cutting and chamfering, cylindrical grinding and polishing axial/radial drilling, internal/external thread making, shaft end machining according to drawings
- » Machining of supporting bodies according to drawings
- » Casing manufacture according to drawings
- » Shaft block production according to drawings
- » Cleaning linear ball bearings and greasing as specified

### FOR TRACK ROLLER GUIDES

- » Separating and chamfering carrier rails and shafts
- » Machining carrier rails according to drawings
- » Degrease profile rollers and grease according to specifications

### FOR PROFILE RAIL GUIDES

- » Cutting and chamfering of rails, butt joint machining of rails, machining according to drawings
- » Fit trolley with pin bores, cleaning trolleys and grease as specified

### FOR SCREW DRIVES

- » Cutting and chamfering of threaded spindles, machining of ends according to drawings, production of bearing seats according to drawings
- » Making threaded nuts according to drawings
- » Machining nut flanges according to drawings
- » Making nut brackets according to drawings



## SUPPLY PARTNERS



**SCHAEFFLER**



**Rexroth**  
Bosch Group



**EWELLIX**  
MAKERS IN MOTION

... etc.

# COMPLETE LINEAR UNITS FROM A SINGLE SOURCE – FOR EVERY TYPE OF GUIDE AND DRIVE –

We offer you more than individual parts in linear technology. We also offer complete linear units: linear modules and linear tables with or without drive, electromechanical lifting cylinders and multi-axis systems including controls. We can provide you with all guide types for linear units as required.

Our product range includes sliding and roller guides as well as hydrostatic linear guides and you can also choose between different drive types for linear units such as timing belt drive, ball screw drive, roller screw drive or linear motor.

## LINEAR SOLUTIONS MADE TO MEASURE

We assemble linear technology products in our machining centre within one day according to the wishes of our customers. We offer you individual mechanical processing such as end machining, additional drilling and thread and butt machining according to your specifications.



Compact linear axis



Assembly of rails

## BALL, ROLLER AND TRAPEZOIDAL SCREW DRIVES IN ACCORDANCE WITH CUSTOMER REQUIREMENTS

From miniature to heavy duty, whether single-start, multi-start, for handling tasks or for machine tools – we can supply you with ball screws made to measure. We offer the spindle in rolled, hard whirled or ground design depending on your requirements, and for special applications we can provide you with coated or stainless models.

Our product range includes roller screws for very high loads or small pitches, and trapezoidal screws for simpler tasks.

We are happy to advise you on the selection of products or answer your questions ranging from design to delivery.







**SPECIAL PROFILE ROLLERS**

## CUSTOMER-SPECIFIC CASE STUDY

### CUSTOMER-SPECIFIC SPECIAL PRODUCTION OF PROFILE TRACK ROLLERS KEEPS THE CURING ROBOT IN CHEESE PRODUCTION MOVING.

A customer from the food industry gave us the task of finding an inexpensive alternative for the wear parts for their “cheese curing robot” which are required regularly.

Special demands are made on linear guides used in food production: corrosion-resistant material, special greases and a hygienic design are a must. The use of shaft guides and profile rollers running on shafts offers enormous advantages. The profile rollers required here are a special construction made of corrosion-resistant material that exceeds all standards.



As no drawings were available, a quote had to be prepared on the basis of a sample and ultimately manufactured. The special profile rollers have now proven themselves many times in operation. The customer is pleased to have found Blässinger to be an inexpensive alternative to the original spare parts supplied by the system manufacturer. For decades, Blässinger has been supplying profile rollers with individual geometries and made of special materials for extreme applications.

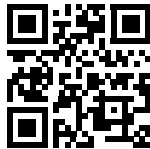


### CONTACT

[lineartechnology@blaessinger.com](mailto:lineartechnology@blaessinger.com)



More info



Training





## POWER TRANSMISSION

### THERE'S NO MOTION WITHOUT DRIVE

Companies need high-performance machines to ensure that their production processes run smoothly. Not only do they need the right roller bearings and the best seals to achieve this, they also need the right power transmission.

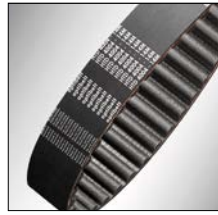
We supply both standard DIN parts and specially manufactured products based on drawings. In addition to this, we offer complete drive systems to cater for almost any application.

## PRODUCT RANGE

### BELT DRIVES



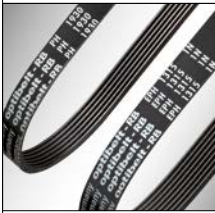
V-belts



Timing belts



Power transmission belts



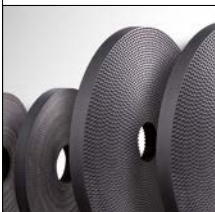
Ribbed belts



Wide V-belts



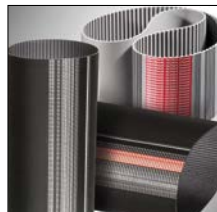
Flat belts



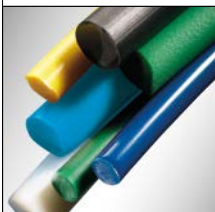
Timing belts by the metre



Flex timing belt



Wound goods



Round belts



Special timing belts



Conveyor belts

### CHAIN DRIVES



Roller chains



Stainless steel chains



Flyer chains



Hollow pin chains



Slat conveyor chains



Cutting/assembly tools

### SUPPLY PARTNERS



... etc.

## MECHANICAL COMPONENTS



Poly-V-belt pulleys



Timing belt pulleys



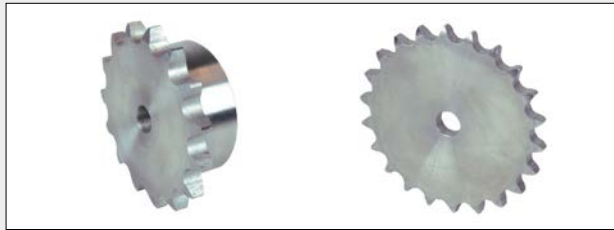
Ribbed belt washers



Regulator discs



Flat belt pulleys



Sprockets/platewheels



Chain guides



Chain tensioning systems



Gearwheels



Gear racks



Bevel gears



Clamping rings and set collars



Clamping sets



Clamping bushings/adapters



Screw-on welding hubs



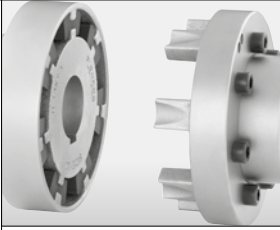
Clamping plates



Splined shafts/flanged pulleys



## COUPLINGS



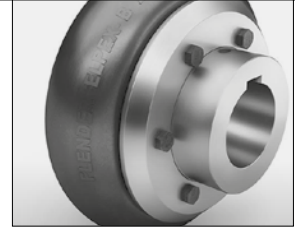
Torsionally elastic couplings



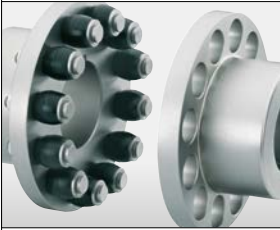
Backlash-free couplings



Torsionally rigid couplings



Highly flexible couplings



Pin couplings



Gear couplings



Fluid couplings

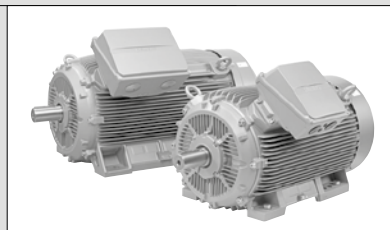


Rigid shaft couplings

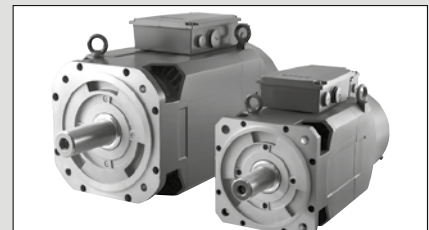
## GEARS AND MOTORS



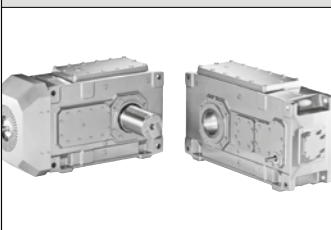
Frequency converters



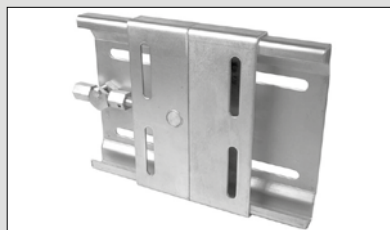
Electric motors  
(Low voltage, high voltage and direct current motors)



Servo motors



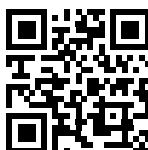
Gears



Clamping slides/tensioning rails



SIDOOR AT40 door drives



More info



Training



## CONTACT

[powertransmission@blaessinger.com](mailto:powertransmission@blaessinger.com)

# CUSTOMER-SPECIFIC DESIGN AND PRODUCTION

FITS DOWN TO THE LAST DETAIL. MOVING MORE TOGETHER.

Custom-made drive systems are characterised by the perfect interaction of all components. With every new planning and solution implementation, you benefit from our experience, supplemented by state-of-the-art technologies and individual implementation of your customer requirements. Your drive is what drives us forward.

We are happy to help you with calculations or technical details relating to power transmission. We are also happy to optimize your drives with the aim of cutting maintenance and energy costs – for example by converting from V-belts to timing belts.

## COMPONENT PRODUCTION BASED ON DRAWINGS

- » V-belt and timing belt pulleys
- » Sprockets
- » Gearwheels
- » Couplings



Assembly of timing and ribbed belts

## DRILLING AND GROOVING

Finish bore H7, keyway according to DIN 6885-1, thread for set screw

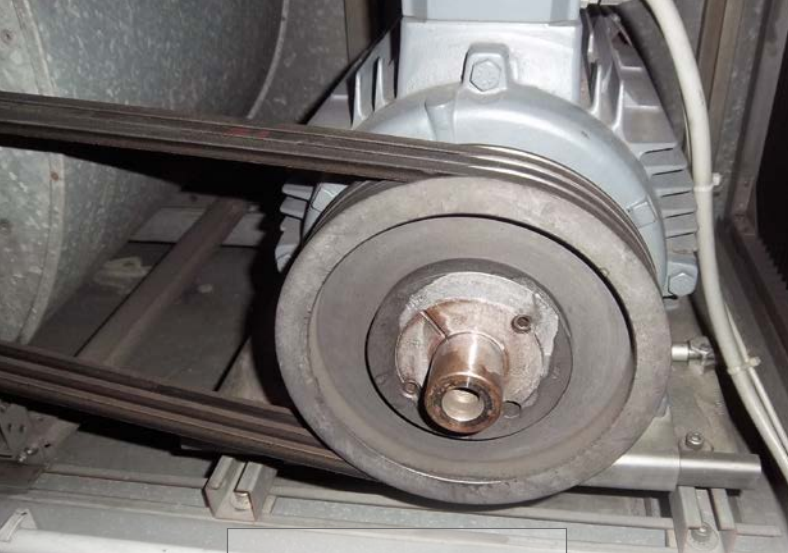
- » Couplings
- » Sprockets
- » V-belt and timing belt pulleys



Assembly of chains according to customer requirements







BEFORE



AFTER

## CASE STUDY EXEMPLIFIED BY FAN SYSTEMS

### CONVERSION FROM V-BELTS TO TIMING BELTS RESULTS IN ENORMOUS COST SAVINGS IN THE LONG TERM

Typical fan systems are implemented using a V-belt drive. First and foremost, the OEM is interested in ensuring that the fan is inexpensive to manufacture. Although the V-belt drive is cheaper in the initial set-up, if the running costs for energy and maintenance (regular re-tensioning) are taken into account, it quickly becomes clear that **the timing belt is the more favourable option for the plant operator from these points of view.**

V-belts work on the principle of frictional power connection. However, the V-belt stretches after a relatively short running time, resulting in slippage and higher energy costs. Due to the principle just mentioned, a regularly serviced V-belt works with an efficiency of approx. 98%. Due to the fact that in practice the belt drive is serviced rather irregularly, **efficiencies of 90%–92%** or even lower are quickly achieved, as this depends on the re-tensioning.

Timing belt drives operate with an **efficiency of 99%**, which means that a V-belt drive comes very close to the efficiency of a timing belt, although regular maintenance incurs considerable costs for the plant operator.

**With a timing belt, energy costs of around 5% can be saved due to the positive power transmission,** and it thus reduces energy consumption and maintenance costs because it is maintenance-free. The considerably narrower design reduces the axle load, so that the service life of bearings can be extended **by 30%.**

We have already carried out the conversion from V-belts to timing belts for customers from many different industries.

We analyse and evaluate your existing drive and provide you with an economic efficiency calculation free of charge when converting V-belts to timing belts.

In addition to high-quality products, our company also offers you the opportunity to have the drive converted by our qualified specialist personnel.



## CONTACT

[powertransmission@blaessinger.com](mailto:powertransmission@blaessinger.com)



# LUBRICATION SYSTEMS

## SO THAT THINGS ALWAYS RUN SMOOTHLY

In order to achieve a long service life and high production times, systems require a lubrication system that is optimised to the requirements. Without a functioning and application-specific lubrication system for bearings, chains and

linear guides, premature system downtimes and increased part and machine wear are inevitable. Our customers can rely on us to supply them with everything they need for automatic lubrication systems.

## PRODUCT RANGE

### PUMPS



Gear pumps



Piston pumps



Piston pumps as  
a cartridge system

### DOSAGE



Piston distributors | progressive distributors

### ACCESSORIES



Screw connections, lines and hoses

## FRICTION-FREE HANDLING AND DESIGN

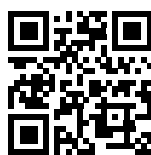
We precisely record the current condition of your system on site and on the basis of this we prepare an individual quotation including a lubrication plan and the corresponding parts list.

Our services at a glance:

- » Increased operational reliability and plant availability due to conversion to closed central lubrication systems
- » Supply and support during commissioning
- » Maintenance and servicing of lubrication systems
- » Installation of new systems
- » Conversion of existing central lubrication systems



More info



Training



### CONTACT

lubricationsystems@blaessinger.com

### SUPPLY PARTNERS



... etc.





## SEALING TECHNOLOGY

### ALWAYS THE RIGHT SEAL, FAST AND RELIABLE

Seals play a crucial role in a wide range of industries. From the automotive industry to food processing and power generation. In a dynamic environment where precision and efficiency are essential, sealing technology offers solutions to prevent leakage, minimise contamination of the sealing system, and ensure smooth operating processes. Seals made of elastomers, polyurethanes and thermoplastics are increasingly finding their way into many areas of

industry, often as early as the design phase. The main task of seals is to prevent unwanted media transitions and to avoid contamination of the sealing system. A great deal of experience is required in the dimensioning of a seal, taking into account a wide range of factors: from operating media, pressures and temperatures to speeds, surfaces or the right choice of material, in order to be able to provide customers with maximum support.

# WE OFFER THE KNOW-HOW AND THE ENTIRE PRODUCT RANGE OF SEALING TECHNOLOGY IN THE BEST QUALITY

At the BLÄSSINGER GROUP, you can count on an experienced and highly qualified team of experts with a high level of know-how. With our selected supply partners, we are available to advise you on all questions relating to sealing technology. Especially when it comes to significantly minimizing or even avoiding downtimes or failures in your production process. We work exclusively with renowned partners and offer you complete solutions.

Especially in today's world, availability plays an increasingly important role. In our modern small parts warehouse, we carry a large selection of seals from leading manufacturers for almost all areas of application. Because we have a broad product portfolio of static and dynamic seals, you get the whole variety of sealing technology from a single source. This reduces your procurement effort and, of course, costs.

## PRODUCT RANGE



Wiper seals



USIT ring screw compression



Guide element



Axial seals



Piston seals



O-rings



Radial shaft seals



Folding bellows



Stuffing box packings



Rod seals



V-rings



End caps



## PRODUCT RANGE



X-rings



NILOS rings



Radial shaft seal rings



Flat seals



Metal seals



Mechanical seals

## BLÄSSINGER IS »FREUDENBERG APPROVED PARTNER«

As of 1 January 2022, we reached the „**Freudenberg Approved Partner**“ status from Freudenberg FST GmbH – the world's leading premium manufacturer in sealing technology. We are expanding our extensive product portfolio with innovative sealing solutions and modern mobility applications.



### As a customer, you benefit from numerous advantages:

- » Many years of technology expertise from a global market leader for demanding and novel applications in sealing technology and electromobility
- » Direct access to the world's largest product range of seals of Freudenberg (premium) and Dichtomatik (meets all current industry standards)
- » Standard catalog products or completely individual sealing solutions
- » Constantly proven materials and technology expertise
- » Comprehensive advice and support directly on site as well as numerous customer-oriented services by our specialists in the field of sealing technology



# CUSTOMIZED MANUFACTURING SOLUTIONS

- » Manufacture of drawing parts from elastomeric materials, as well as polyurethanes and thermoplastics
- » Sealing solutions can be produced by turning from suitable materials up to a diameter of 1,500 mm
- » Modification of shaft seals and refinement of O-rings by coatings
- » Round cord seals butt-jointed or butt-vulcanized
- » Cutting of sealing cords and tapes to the desired length



## OUR SERVICES - YOUR ADDED VALUE

We not only have the right products for you, but also offer you customer-oriented and comprehensive services. We support you in optimising processes and help you to save costs at the crucial points.

### » Technical application advice

On site, on the phone or online. We help you select the right seal and support you from the very beginning in the realisation of projects in the form of prototypes or series parts.

### » Expert knowledge

The cause of failure of a seal can be manifold. From incorrect assembly to insufficient lubrication to wrong material selection. We advise you on the analysis and solution - or even in advance.

### » Data provision

We will gladly provide you with the necessary technical material and product data sheets as well as drawings/CAD models at your disposal.

### » Machine downtime management

Your hydraulic cylinder has a leak and a machine standstill is imminent? No matter whether wiper, rod or piston seals - with machined seals we offer a valid machine downtime management, which reduces the downtime of your machine.



More Info



Training



## CONTACT

[sealingtechnology@blaessinger.com](mailto:sealingtechnology@blaessinger.com)

## SUPPLY PARTNERS



# ADHESIVES, SEALANTS AND LUBRICANTS



## DELIVERS ON PROMISES ...

Our product portfolio is rounded off by adhesives, sealants and lubricants to ensure a long service life and the smoothest possible running of your machines.

Adhesives provide a reliable and space-saving bond between materials of all kinds. In addition, adhesives have secondary properties, such as damping vibrations and protecting against corrosion. One- or two-component adhesives can be processed in many areas thanks to their resistance to water or chemicals, for example, and sealants

can also be used to bond different products and materials together and protect them from external influences.

Given the large number of different products and manufacturers, it is important – in addition to constant maintenance – to select the most suitable lubricant for the respective application, in order to prevent costly wear of machine elements due to corrosion or excessive frictional resistance.

# PRODUCT RANGE

## LUBRICATION AND ADHESION



Greases and oils



Instant adhesives



Screw locking compounds



Epoxy resin adhesives

## SEALING AND JOINING



Pipe and thread seals



Sealants



Sealing tapes



Thread seals



Shaft-hub connections

## CLEANING



Lubricating and cleaning sprays



Surface cleaners

## METERING UNITS



Manual pumps



High-precision syringe dosing systems



More info



CONTACT  
asl@blaessinger.com



## SUPPLY PARTNERS

**LOCTITE**

**Henkel**



**OKS**

**WEICON**

**TEROSON** ... etc.





## TOOLS

### THE RIGHT TOOL FOR EVERY SITUATION

Roller bearings are machine elements that are subjected to high loads and yet require high precision. In addition to lubrication, sealing and maintenance, precise installation and removal using the right tools is essential to ensure that roller bearings have a long service life and retain their full efficiency. In addition to lubrication failure, the most frequent cause of bearing damage is faulty mounting of roller bearings.

Many problems and failures can be avoided by using the right tools, and the installation or removal of bearings can be accelerated with the right tools. To ensure safe and clean mounting and removal of roller bearings, we supply tools of all kinds: from manual tools such as impact sleeves or the appropriate mounting wrenches to hydraulic devices and inductive heating devices.

# PRODUCT RANGE

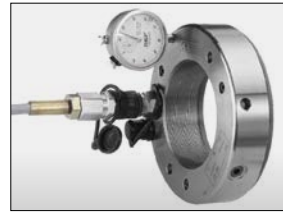
## INSTALLATION



Roller bearing  
installation tool sets



Induction heaters



Hydraulic nuts



Pressure generators

## ALIGNMENT



Shaft alignment  
systems



Belt pulley alignment systems



Belt tension  
measuring devices

## CONDITION MONITORING



Vibration  
measurement



Vibration monitoring

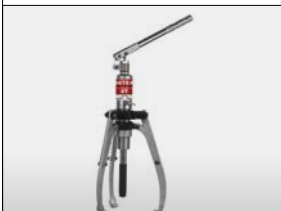


Temperature  
measurement



Visual inspection

## REMOVAL



Extractors



Thermo rings



CONTACT

[tools@blaessinger.com](mailto:tools@blaessinger.com)



More info

## SUPPLY PARTNERS



... etc.

A hand holding a pen writing on a document with a bar chart overlay. The background is a blurred image of a person working, with a network diagram overlay. The bar chart has several bars of varying heights, some with a blue base and a white top. The network diagram consists of yellow dots connected by lines, with a central circle.

# TECHNICAL SERVICE

## OUR SERVICE PORTFOLIO – ADDED VALUE FOR YOU

Not only do we have the right products for you, we also offer you customer-oriented and comprehensive services for parts, warehousing and delivery.



We assist you in the optimisation of your processes and help you to cut costs at the decisive points of your process chain.





# ENGINEERING

## TECHNICAL CONSULTATION

With our consulting service we provide our customers with competent and individual support in product selection, transcoding and other issues.

## DEVELOPMENT

We work closely with our customers to develop power transmission components for a wide variety of applications.

## ENERGY SAVING WITH TIMING BELTS INSTEAD OF V-BELTS

Rising electricity prices, CO<sub>2</sub> emissions and environmental audits: saving energy is an important issue for many companies. Converting from V-belts to Timing belts offers potential savings of between three and eight percent. We can help you save energy with a package of measures: from on-site analysis to calculation and conversion of the machine.

V-belts achieve an average efficiency of 98% due to the resulting slip. When installed, the efficiency is still 97%, but due to the elongation of the V-belt it decreases continuously. Poorly maintained V-belts run at an efficiency of 90%–92%. Timing belts, on the other hand, have an efficiency of 99% due to the positive power transmission and run for up to three years without maintenance.

## CALCULATIONS

Our technical staff assist customers in bearing design with lifetime, load rating or other calculations.



Companies can save energy and significantly cut maintenance costs by retrofitting.

We evaluate the existing drive with the help of a calculation program in order to determine the savings potential in each individual case. The calculation includes the material costs for V-belts as well as energy consumption and maintenance costs. We compare this information with the acquisition costs for the timing belts and the energy costs required to operate the machine after conversion so that all important factors are taken into account when saving energy. A 250 kW engine, for example, can save between 6,000 and €10,000 a year.

See also the case study on page 25 (power transmission).





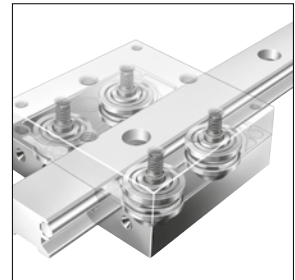
## CONDITION MONITORING

WE DON'T RELY ON THE "LAYING ON OF HANDS"!  
INCREASED SAFETY THANKS TO VIBRATION MONITORING

Intelligent sensor systems now do what master craftsmen used to diagnose by laying their hands on a machine or using a screwdriver on the ear. They report component wear in good time. Unplanned downtimes and the resulting costs can be avoided by continuous monitoring of systems.

### VIBRATION MONITORING

With vibration monitoring, roller bearing damage can be detected by characteristic patterns in the frequency spectra of the machine vibration. One system used for digital vibration monitoring is the FAG SmartCheck. This is a compact, innovative and modular online measuring system for permanent decentralised machine and process parameter monitoring. The FAG SmartCheck is ideally suited, for example, for early detection of bearing damage, imbalance and misalignment in electric and geared motors, vacuum and liquid pumps, fans and blowers, gearboxes and compressors. If damage is detected by vibration monitoring, it needs to be dealt with as soon as possible, often by replacing the faulty bearing.



### RECONDITIONING

This involves reprocessing the components instead of replacing them. This reduces downtimes, lowers costs, avoids scrapping and improves sustainability. Reconditioning is already worthwhile for bearings with an outer diameter of 180 mm or more, where 100% performance and cost savings of approx. 50%–85% are achieved compared to buying a new bearing with a shorter delivery time.



## CONTACT

[vibrationmonitoring@blaessinger.com](mailto:vibrationmonitoring@blaessinger.com)

# PROCUREMENT



## INVENTORY ANALYSIS AND OPTIMISATION – MINIMAL COSTS, MAXIMUM SECURITY

Experience shows that the savings potential hidden in the warehouses of many companies is between 20 and 30 percent. With inventory analysis and optimisation, we not only make these savings visible, but we also support you in realising them in your company.

The first step is the recording and analysis of existing stocks according to various criteria, such as whether items have been created several times with different numbers and whether the description of the products is correct. This is the only way to guarantee that we can find the goods that are available and to check the functionality of the stored goods. The aim is to reduce stock levels and cut warehousing costs as well as to reduce the supplier base and procurement processes to a minimum. Valuable storage space is freed up by removing articles that can no longer be used or do not comply with standards.



## EQUIPMENT IDENTIFICATION WITH QR CODE



BEWEGUNG.  
ERFAHRUNG.  
INNOVATION.

BLÄSSINGER
 

Standort: \_\_\_\_\_

Aufgabe: \_\_\_\_\_

Artikelübersicht (zum sehen Sie uns Änderungen der verbauten Komponenten mit)

» QR-Code scannen.  
 » Website mit Artikelübersicht öffnen.  
 » Hotline kontaktieren und benötigte Artikel bestellen.

Baugruppen-Nr. QBC14008

Datum: \_\_\_\_\_  
 Kurzzeit: \_\_\_\_\_

» Sofortlieferung nach Verfügbarkeit!

Josef Blässinger GmbH + Co. KG  
 Zepplinstr. 18 | 73760 Orliden  
 stuttgart@blaessinger.de | blaessinger.de

Ein Unternehmen der  
 BLÄSSINGER  
 GRUPPE

We mark your systems with an item list of the installed products. This list can be accessed by scanning the QR code online, making it easy to order urgently needed items directly from our service hotline. Immediate delivery depending on availability.

Interested in equipment identification?  
Then speak to our sales team!



## CUSTOMER-SPECIFIC PRODUCTION

### INDIVIDUAL ASSEMBLY ACCORDING TO CUSTOMER REQUIREMENTS

We offer you individual mechanical processing – according to your specifications – such as end machining, additional drilling and thread and butt machining. We assemble linear technology products in our machining centre within one day according to the wishes of our customers. The requirements are constantly changing as linear technology is used in a wide variety of applications, ranging from heavy mechanical engineering to handling systems, metrology, medical technology, precision mechanics and aerospace.



Individual assembly

### OPTIMUM LUBRICATION KEEPS YOU IN MOTION

Special lubrication of roller bearings is required wherever standard lubricants cannot be used or are not permitted due to operating or environmental conditions. We offer you the best possible lubrication of the roller bearings for your individual application, including the initial greasing of roller bearings as well as special greases. We grease to an accuracy of 0.01 g using pulse-controlled dosing devices in air-conditioned rooms. Our service includes both the actual greasing process and the necessary preparation of the roller bearing and we also carry out complete re-greasing for open bearings, RS-sealed bearings as well as for 1Z-capped bearings.



Special greasing | Re-greasing

### ASSEMBLIES – FOR EVER-CHANGING COMBINATIONS

Complete units instead of individual products: We offer our customers individually configured and manufactured assemblies, which are perfectly matched to each other and correspond exactly to the respective requirements. Our service ranges from the complete redesign of an assembly to optimisation and production. Assemblies offer almost unlimited possibilities.



Paired tapered roller bearings  
with mounting cover





## SPECIAL BEARINGS – WHEN THE STANDARD REACHES ITS LIMITS

Standard roller bearings usually represent a compromise between speed, load rating and an economically justifiable production quantity as well as the manufacturing effort.

In our own production division **Blässinger Wälzlagertechnik** we can offer customer-specific solutions for special roller bearings such as support rollers, angular ball bearings (single row), four-point bearings, deep-groove ball bearings, cylindrical roller bearings, needle bearings – each including design – from an inner diameter of 12 mm up to an outer diameter of 250 mm.

### Real-life examples:

- » Castors/bearings with maximum load ratings
- » Conversion of bearings to PTFE cover plates and PEEK cages for high temperatures
- » Ready-to-install special bearings and roller bearing assemblies
- » Insertion of grooves or fitting of the bearing clearance
- » Special greases for special applications
- » Grease distribution grooves and seal run-in for ready-to-install solutions

### Our customer-specific production possibilities:

- » Roller bearing modification:  
Grooving, profile mounting, retooling of seals, cages and rolling elements, pairs of tapered roller bearings, pairs, adjusting preload of deep-groove ball bearings, angular ball bearings with spacings
- » Production of old types of bearing
- » Production of drawing bearings
- » Rolling mill bearings



Customer-specific special bearing



Brass cage

## HIGH-TEMPERATURE BEARINGS FOR HIGH AMBIENT TEMPERATURES

In addition to our product portfolio, we develop and manufacture roller bearings for high ambient temperatures, custom-made for each application. With our high-temperature bearings, we offer premium products that are equipped or manufactured by us for the corresponding temperature range.

### Our services at a glance:

- » Special solutions up to 450°C possible
- » Energy-saving
- » No speed reduction up to 250°C
- » Use of premium quality materials
- » Made in Germany
- » Available in food-grade versions up to 260°C
- » Patented cage design



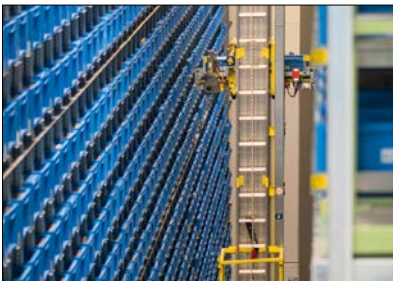
High-temperature bearings lubricated with a solid lubricant





## LOGISTICS

### QUICK DELIVERY AND RELIABLE AVAILABILITY



#### LOGISTICS CENTRE

We have adapted and optimised our warehousing and logistical requirements to suit your needs. Rapid availability and reliable delivery are the prerequisites for the success of our products and our customers' satisfaction. As an experienced trading company, we know how important mature logistics concepts are for successful distribution management. It is therefore our job, within the framework of supply chain management, to organise the flow of goods from the manufacturer via our warehouse to our customers in the best possible way.



We help our customers to optimise their purchasing processes according to their needs. Our goal is to minimise inventory, simplify purchasing processes and reduce process costs.

#### AVAILABILITY

Long-term partnerships and supply agreements with all important manufacturers as well as well-stocked inventories ensure that we are flexible for you.

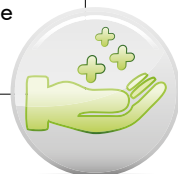
The Blässinger Logistics Centre has around 30,000 products ready for immediate delivery. Each of our branches also has its own warehouse, which is adapted to the needs of the local customers.



Thanks to our extensive network of suppliers, we guarantee high availability of a large number of OE parts. We guarantee our customers tested quality, short delivery times and cost-effective procurement – for standard products as well as special parts.

#### ADDED VALUE FOR YOU:

- » E-procurement
- » 24-hour delivery service
- » Consignment warehouse
- » Kanban





# BLÄSSINGER ACADEMY

## FROM PRACTICAL EXPERIENCE FOR PRACTICAL APPLICATION

That is the motto of our training courses on roller bearings, linear technology, power transmission, lubrication systems as well as sealing technology.

Our experts provide staff extensive know-how in the fields of development, production, maintenance and after-sales service and give tips based on real-life experience.

### What we offer – how you benefit

- » Basic and advanced training courses
- » Theoretical basics with practical application
- » Typical applications and technical features
- » Trainers with practical experience
- » Modern training facility
- » Extensive training material
- » Customer-specific training courses

For further information about our training programme and the current training dates please visit our website at [www.blaessinger.com/akademie/](http://www.blaessinger.com/akademie/)



## CONTACT

[academy@blaessinger.com](mailto:academy@blaessinger.com)

## OUR BASIC SEMINARS – SEMINAR CONTENT:

### ROLLER BEARING

- » Basic terms of rolling bearing technology
- » Typical applications of rolling bearings
- » Lubrication of rolling bearings
- » Rolling bearing damage

### LINEAR TECHNOLOGY

- » Basic concepts of linear technology
- » Presentation of common guiding systems

### POWER TRANSMISSION

- » Presentation of the different products
- » Differences between V-belts and timing belts
- » Different versions in Power transmission
- » Designation system

### LUBRICATION SYSTEMS

- » Basic knowledge of lubricants in central lubrication
- » Chain and tool lubrication

### SEALING TECHNOLOGY

- » Basic knowledge
- » properties of gasket types
- » Different materials
- » design of gaskets

## THE COMPANIES OF THE BLÄSSINGER GROUP

### LOCATIONS IN GERMANY

#### Josef Blässinger GmbH + Co. KG

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stuttgart@blaessinger.com

#### Bochum branch

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bochum@blaessinger.com

#### Freiburg branch

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#### Hamburg branch

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#### Heilbronn branch

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heilbronn@blaessinger.com

#### Jena branch

Wiesenstraße 110 | 07743 Jena  
Fon +49 3641 456-0 | Fax -100  
jena@blaessinger.com

#### Kassel branch

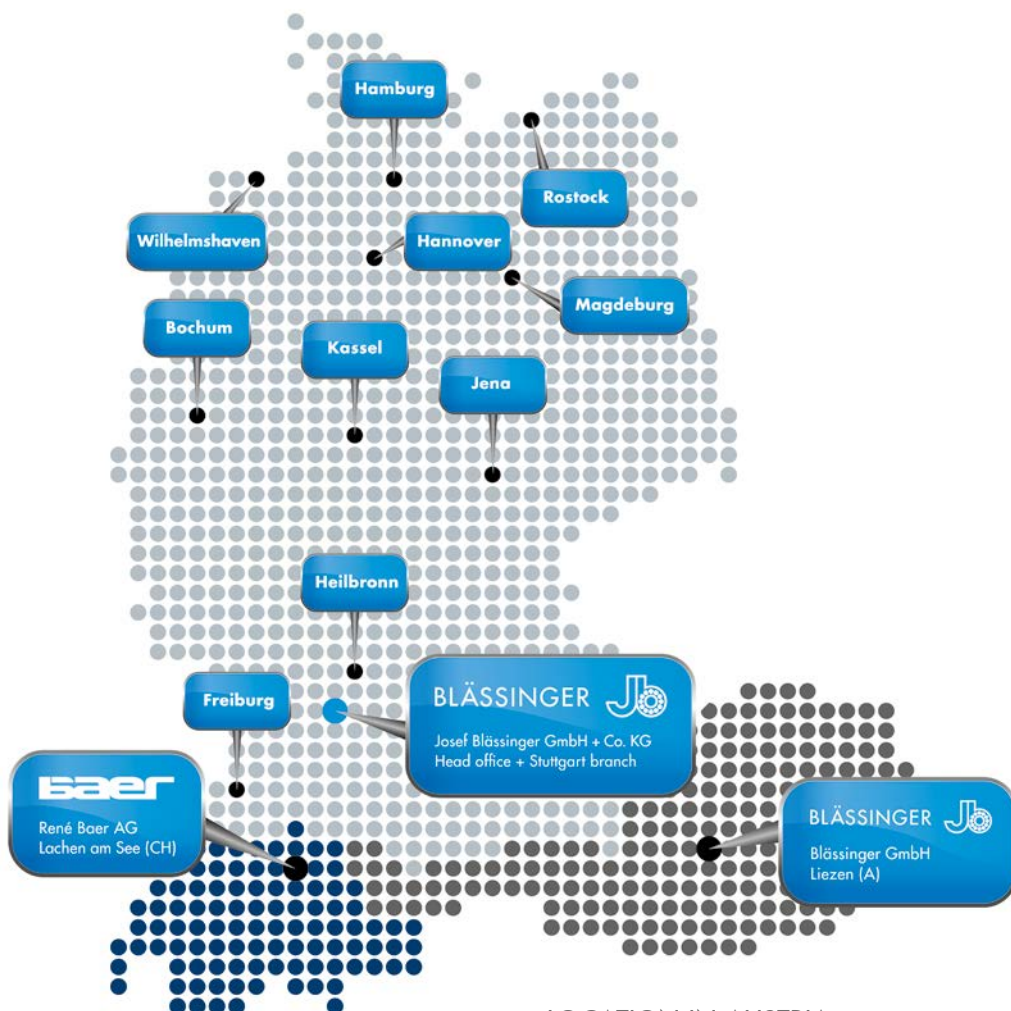
Mönchswiese 4 - 6 | 34233 Fulda  
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kassel@blaessinger.com

#### Rostock branch

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Fon +41 44 78705-55 | Fax -56  
info@renebaerag.ch  
www.renebaerag.ch

NEW SINCE 01/07/2023

#### Hannover branch

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Fon +49 511 9 59 92-0 | Fax -29  
hannover@blaessinger.com

#### Magdeburg branch

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Fon +49 39203 751-0 | Fax -14  
magdeburg@blaessinger.com