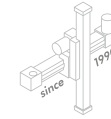
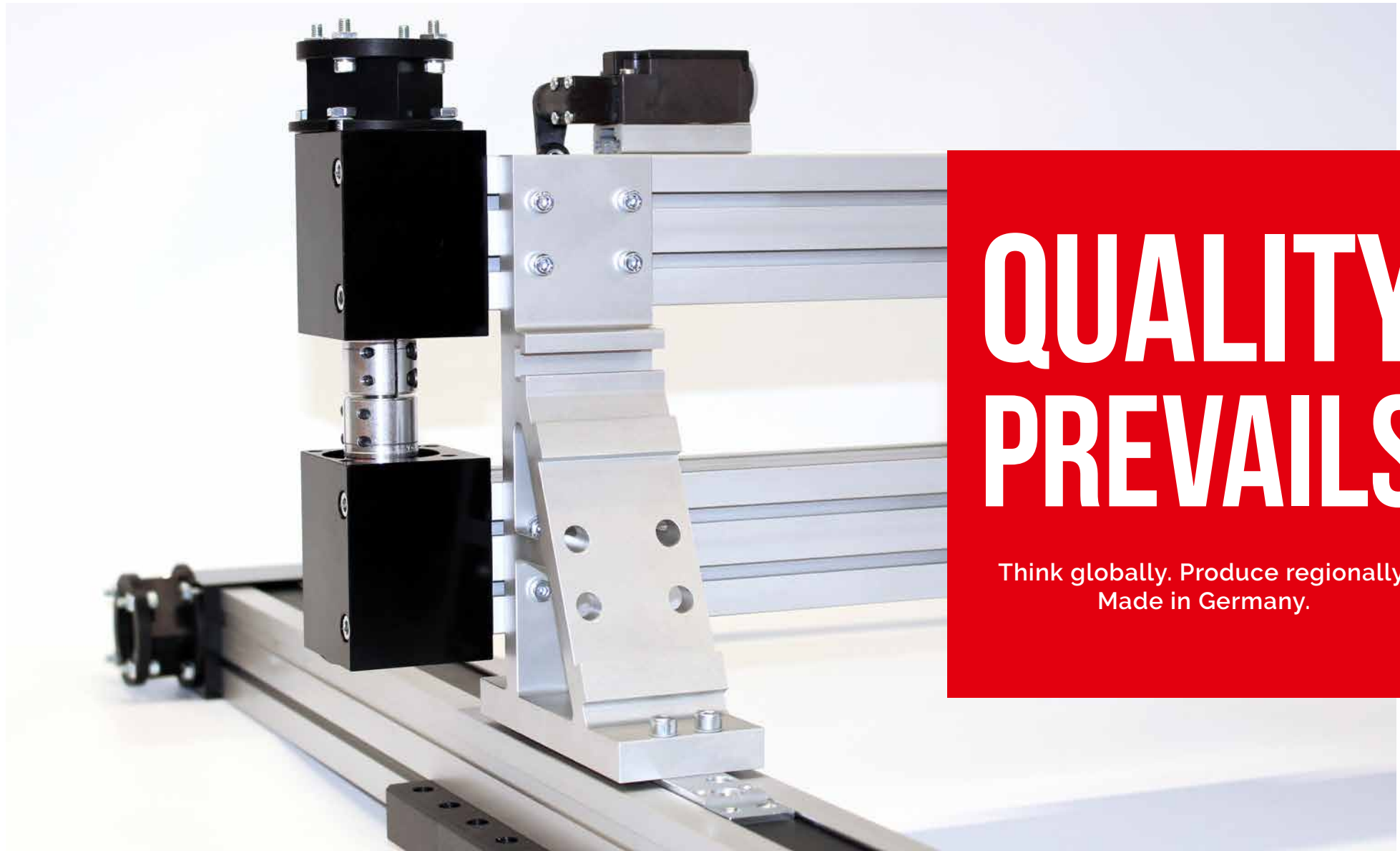


YOUR SPECIALIST FOR MODULAR POSITIONING SYSTEMS



BAHR
Modultechnik



**QUALITY
PREVAILS**

Think globally. Produce regionally.
Made in Germany.

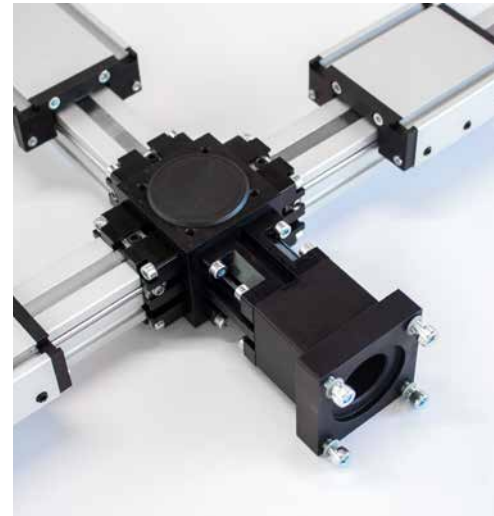
VARIETY THROUGH COMBINATION!

LINEAR MOTOR, TOOTHED RACK,
TOOTHED BELT OR SPINDLE DRIVE

OUR AIM IS PERFECTION

We have been a globally leading manufacturer of modular positioning systems for 26 years. Our sophisticated and practice-oriented linear technology is sold in more than 20 countries. Accurate and robust positioning systems are required in the most different industries from mechanical engineering up to medical technology. It must be possible to adapt these systems to the respective applications and product characteristics.

We manufacture quality products with wear-free aluminium according to our customers' requirements and we are able to produce even small quantities at attractive prices. We offer a comprehensive range of accessories and spare parts for all our products. Short delivery periods, optimised production operations, continuous service readiness, qualified personnel, innovative products and continuous further development are the bases of our success.





ABOUT US

A well-cooperating team that sticks together ensures our success.

We pursue an innovative product policy. To that end, we have created a work environment that fosters creativity and welcomes new ideas. Our teams of qualified engineers and mechanical technicians are the ones that take care of our customers' orders. The results are future-oriented and world-class products.

Our well functioning, harmonising teams work hand in hand and ensure that each and every order will be a success. And this is also our company's success. At present, 69 people are employed in the fields of purchasing, sales, design, production and logistics. All of them are committed partners of our customers throughout the world. They bundle their skills and expand their knowledge through internal and external trainings.



EXPERT ADVICE

For competent advice, our team of qualified engineers and mechanical engineering technicians is available to assist you. Whether in a personal conversation on site, by phone or e-mail: You can always be sure to get qualified advice.

CUSTOM MADE QUALITY PRODUCTS

All our designs are developed and implemented on the basis of modern CAD programs and with the help of our high-tech machinery. We assemble positioning axes from more than 200 different aluminium profiles in any length up to 60 meters.



FLEXIBILITY

We are always interested in taking up our customers' ideas and put them into practice with our combined know-how using state-of-the-art technologies and equipment.



OUR HISTORY

- 1990** Foundation of the company on 7th March, 1990, by Frank and Dirk Bahr, with place of business in Porta Westfalica
- In October 1990, relocation to the company's first owned, freshly renovated company building at Kaanstraße 3 in Porta Westfalica-Nammen
- 1991** Introduction of a complete EG and EL product line at Hannover Messe industrial show
- Opening of the first representations in Singapore and Italy
- 1992** IF Design Award 1992 – Industrie Forum Design Hannover
- Expansion of the product portfolio and storage space
- 1994** New construction of an office building
- Certification according to DIN ISO 9001
- 1997** Acquisition of the plot of land in Luhden, Nord-Süd-Straße 10a
- 1998** Move into the new building in June, 1998
- 1999** Expansion of the production and assembly area
- 2000** IF Design Award Winner 2000
- 2003** Construction of our high-bay warehouse and of the metal cutting department
- 2007** Expansion of the office areas and construction of our music pavilion
- 2009** Construction of an additional, fully automated small parts warehouse
- 2010** Construction of an additional hall for exhibition stand construction and rooms for the programming of exhibits and linear systems
- 2011** IF Product Design Award
- QLZE – QSZE product series
- 2013** Addition of another floor to our office building
- 2016** Construction of an additional hall for exhibition hall for presentations and exhibition stand construction

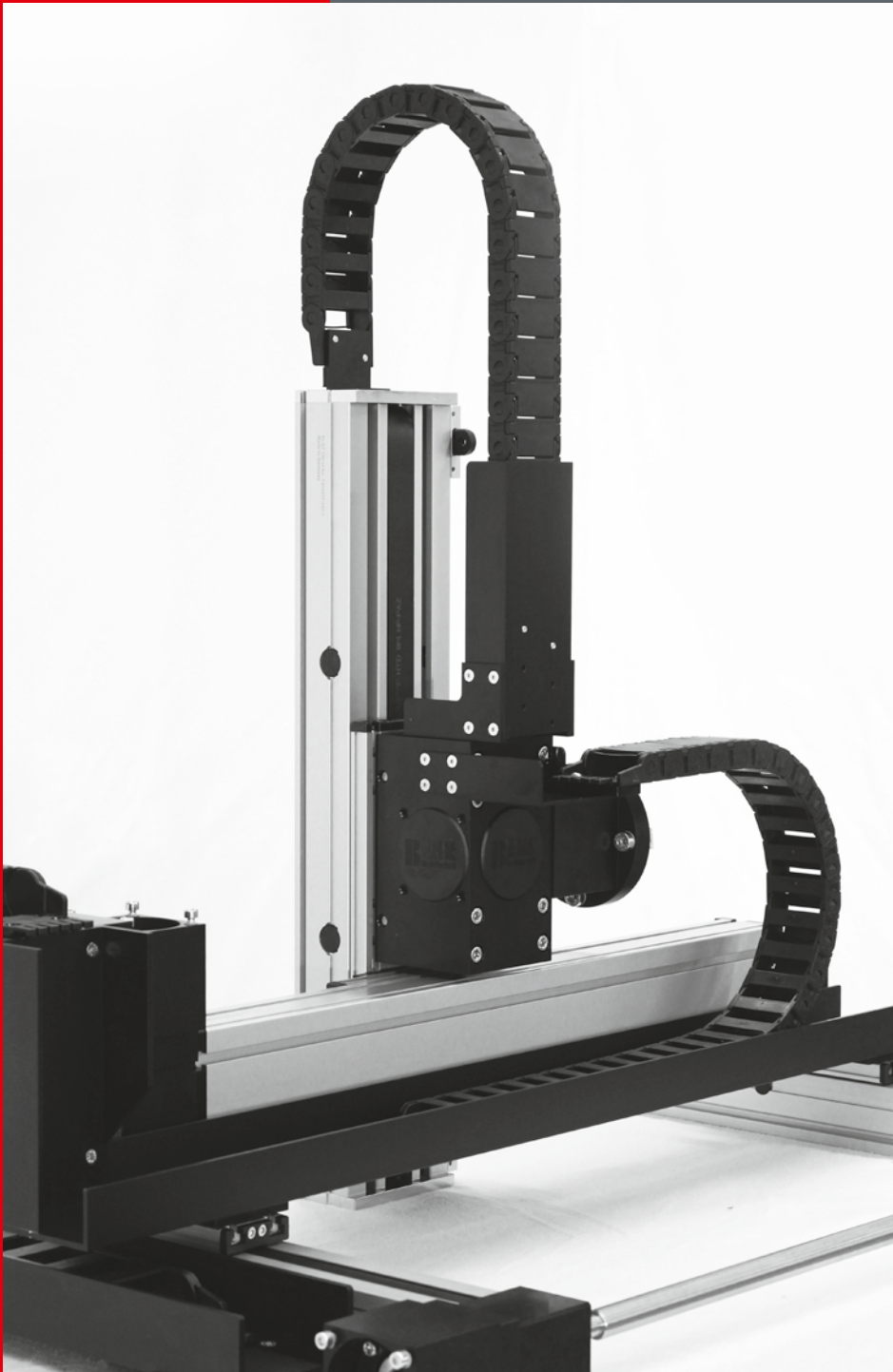


OUR STORY SINCE 1990

Continuing growth and a constant view to the future characterise Bahr Modultechnik GmbH as an agile company.

We are proud of our work. Not only do we make products that are found at the very front of the markets, but we also develop these products further on a continuing basis. This has earned us a good reputation. As a family-owned company, we work independently from banks and investors.

We have driven our growth with prudence. Although we have been in the black for more than 20 consecutive years, we invest continuously, but circumspectly. This ensures a healthy growth with a view to future expansions.



OUR CLAIM

We create an innovative portfolio of products and services using our certified processes and state-of-the-art CAD systems. Our positioning systems are produced with application-specific drives, such as **linear motor, toothed rack, toothed belt, ballscrew or trapezoidal thread spindle**, and with different guide systems with cross-sections of 30 to 200 mm in square or rectangular profiles.

In short:

One idea - countless possibilities. We develop intelligent and user-friendly solutions for every application: stainless steel systems, lifting /rotating units, heavy-duty crossheads, centering units.



FRANK BAHR

Initiator of Bahr Modultechnik GmbH,
Master of numbers and technology.

His trade mark:

As an independence and growth oriented person, Frank Bahr has the talent to simplify and make quick decisions.



DIRK BAHR

Co-founder of Bahr Modultechnik GmbH,
Master of design and development.

His trade mark:

Dirk Bahr communicates with customers and suppliers and uses these dialogues to create innovative technical solutions.



KAROLA BAHR

Companion of the founders, Organiser of the administrative operations and the company's event manager.

Her trade mark:

As the calming influence in the management team, Karola Bahr is always ready to listen to our employees' worries and concerns.

EQUIPMENT FOR THE FUTURE

*"Knowing the past
and learning from it."*

As an owner-managed company we think in the long term and we think of the next generation. Not only for our own company, but also for the technological progress of our society. And above all, for our customers. We take our past experiences as a basis and develop them further.

Ultra-modern production and administration facilities as well as fully automated storage systems, which are continuously expanded and enlarged, speak for themselves.

There is no standstill at Bahr Modultechnik. Standstill means a step backwards, and we want progress. Progress and openness for innovation bring success.

Accompany us on our way into the future. On our way towards new products and new challenges, with progress in mind.





WORLDWIDE IN OVER **20 COUNTRIES**

THINK GLOBALLY

We work in a global environment. The wide variety of our partners, both nationally and internationally, and their different specialisations lead to comprehensive expertise within our company. We would like to say thank you to our partners for the good cooperation over the past years!

PRODUCE REGIONALLY

We act regionally. Our production site in Germany – initially in North-Rhine Westphalia and since 1998 in Lower Saxony – forms the basis of our success.

MADE IN GERMANY

Our products „made in Germany“ are considered a guarantee for quality. Our certifications in quality management, environmental protection, clean-room capability and explosion protection also contribute to this.

HYGIENIC APPLICATIONS

Positioning Axes with Stainless Steel Casing

In many production areas of the pharmaceutical and food industries, the machines and equipment located close to the production processes must be made of scratch- and abrasion-resistant materials that are easy to clean and offer no basis for the accumulation of bacteria. Stainless steel meets these requirements in an optimal way.

We have developed a special process to enclose our aluminium linear axes in a stainless-steel casing. This patented process involves a machine designed specifically for this purpose, making it possible to bend the stainless-steel sheets precisely around the profiles.





INDIVIDUAL SOLUTIONS FOR EVERY INDUSTRY

In addition to standard solutions, we also provide customised special products.

From the beginning, we designed our axes and systems in a modular way to ensure that they offer far-reaching adaptation and configuration possibilities for the most diverse fields of application. We make sure that we only use standardised components, which are globally available.

Our customers have to be able to rely on the fact that our positioning units can be integrated into every production line and are economical both in large scale applications and in small series and special applications.

In this regard, we attach great value to giving individual advice and working with the customer to find the optimum solution in each particular case. For these reasons, we have won a lot of customers from the sector of special machine construction. And the other way round, our company develops further with every new customer and every customer-specific product design.



WE DEVELOP PROJECTS

Simple, flexible, efficient, affordable

The parallel kinematics of this tripod system is based on the interaction of three belt-driven positioning axes of the LSZ 60 series.

The clevis arms, which are made of a light-weight, highly robust carbon fibre plastic or aluminium, are mounted directly to the carriages of the axes by means of joints.

Thanks to their special dimensions and due to the use of only one belt deflection unit, the carriages can be moved along nearly the whole length of the aluminium square profiles and thus achieve an increased degree of freedom of the rod mechanics. The direct transfer of kinematics from the carriage to the clevis arms results in a system that is significantly simpler.

TRIPOD

FOR PICK-AND-PLACE TASKS

A special benefit of the tripod is its compatibility with controls and motors of any make. The robot has been successfully tested with systems from Siemens, Yaskawa, SEW, Lenze, Mitsubishi and Kinco.

"Normally, users are offered only comprehensive complete solutions including the controls. For that reason it is often necessary to adapt the interfaces between the controls of the respective application and those of the positioning system," said Dirk Bahr, Head of Design at Bahr Modultechnik.

"However, our tripod system comprises only the complete mechanical structure, so that our customers can equip the system with their preferred controls and motors."



GGT / GGK

Lifting axis for lifting systems

Cost-optimised spindle axis for wheelchair lifting systems, lifting platforms and other lifting applications. It can be combined with motors of any make.

What is most important in this application is not dynamism, but longevity, reliability and safety. Large slide bushes made of plastic material are integrated in the carriage and slide along internal grooves in the guide body. The carriage is driven by a trapezoidal-thread or ball-screw spindle.



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