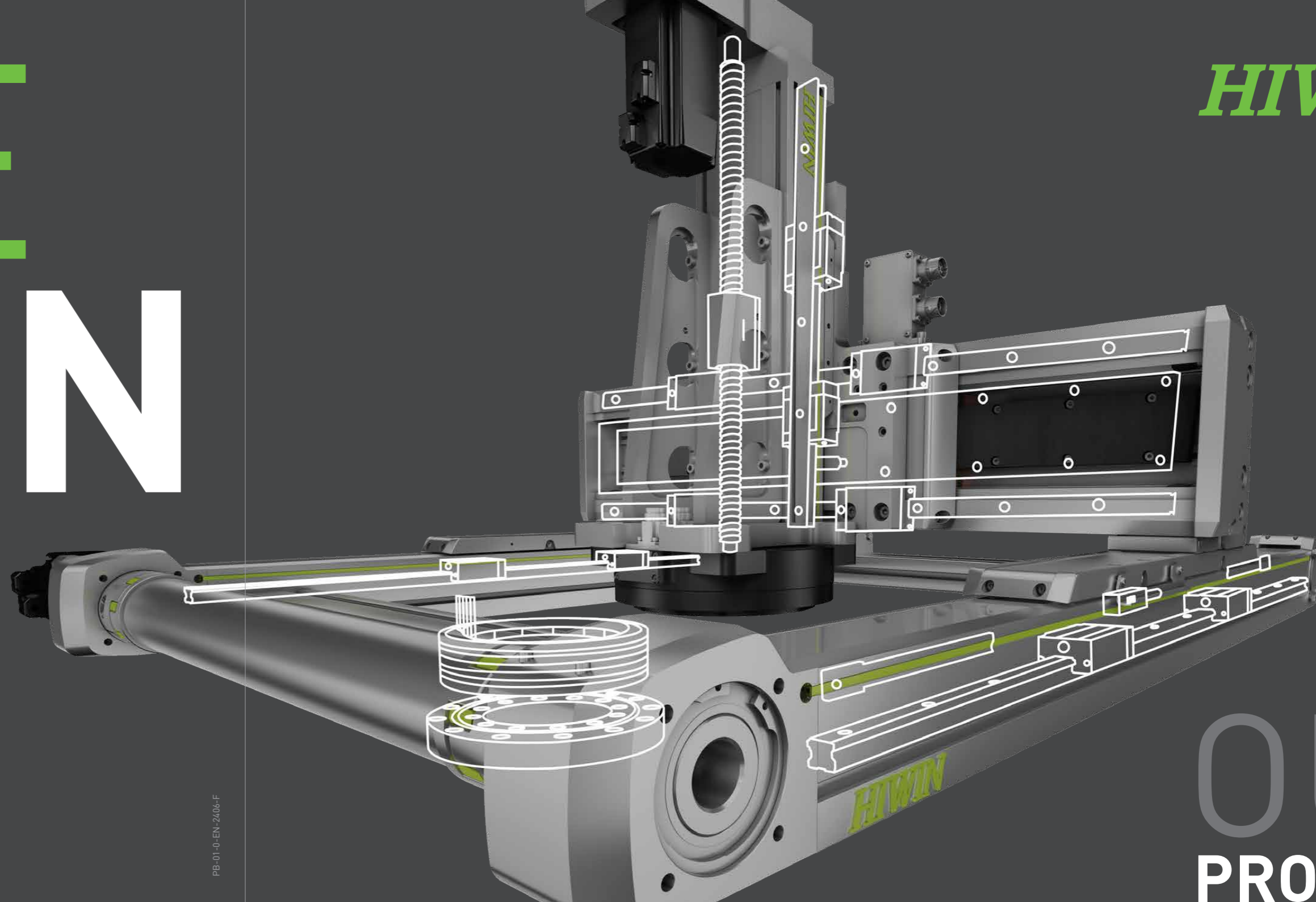


WE LIVE MOTION

HIWIN®



OUR
PRODUCTS

hiwin.de/en



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PB-01-0-EN-2406-F

FROM THE COMPONENT TO THE READY-TO-INSTALL **SYSTEM**

We create and lead movement. With our products and our mindset. Specialising in standardised and customer-specific drive technology products, we have made it our mission to find the right and most efficient way to achieve movement. From individual components to ready-to-install systems. With a passion for technology and attention

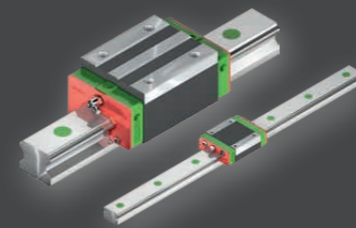
to detail, we combine mechanics and electronics for your motion solution. Everything from a single source. Worldwide. Our basis for mutual success is our proximity to you and our understanding of your applications. We have production sites in Germany, Europe and all over the world. Movement is our passion.

PARTS OF MOTION

Our mechanical and electromechanical components form the foundation of every movement. As standard components or customised for you, they generate or guide linear or rotary movements. Our product configurators and design tools support you in your search for the optimum product solution.

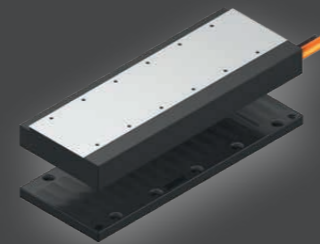


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LINEAR GUIDEWAYS

Our profile rails and blocks guide linear movements with high precision and high load capacity for almost any movement task.



LINEAR MOTORS

Where maximum dynamics and precision are required. Our linear motors enable any travel distance and independent positioning of several travelling blocks on one axis.



DATORKER® STRAIN WAVE GEARS

The high single-stage reduction ratios and the mechanical backlash-free design of our strain wave gears enable high positioning accuracy with compact dimensions.



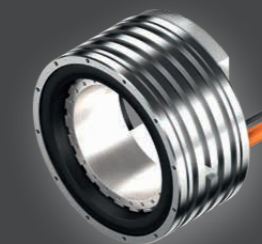
SERVO DRIVES

As the link between the machine control and positioning system, our drives reliably control the speed and torque of servo, linear and torque motors.



BALLSCREWS

We have always manufactured ball screws – the entry into our world of drive technology. Rolled, whirled, ground, we produce in all accuracy classes.



TORQUE MOTORS

Our torque motors are housingless direct drives for the customised design of highly dynamic rotary and swivel axes. Liquid-cooled, these drives achieve a high power density.



BEARINGS

Our crossed roller bearings are compact, rigid and highly resilient. They also have a high running accuracy.



BALL SPLINE

The combination of ball screw nut and ball spline nut combines rotary, linear and helical movements on one spindle. Our ball splines therefore make it possible to absorb radial forces and torques with a long mechanical service life.

SINGLE MOTION

A mechanical or electromechanical axis is the start of an automated movement. Our linear axes, precision axes, rotary tables and servomotors generate and guide a movement with positioning accuracy – whether precise and fast down to the individual μm in production or accurate and fast in handling. Ready-to-install and from the modular system of our components, not only are standard versions available to you, but you can also customise our components at any time.

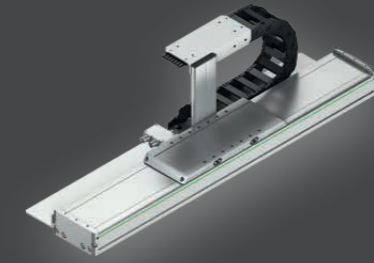


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LINEAR AXES

Our linear axes are available with belt or spindle drive, depending on requirements. Thanks to a freely selectable stroke in millimetre increments and a wide range of options, our axes can be individually customised.



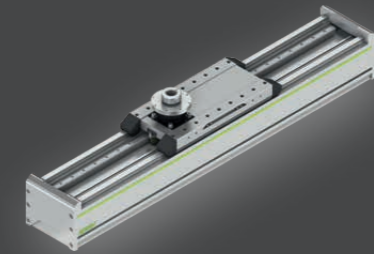
LINEAR MOTOR AXES

Our linear motor axes are particularly suitable for applications with the highest requirements in terms of dynamics, accuracy and synchronisation with minimal maintenance. Thanks to a freely selectable stroke in millimetre increments and a wide range of options, our axes can be individually customised.



PRECISION AXES

Our precision axes are particularly suitable for applications in the semiconductor, medical and measurement technology sectors thanks to their high mechanical running accuracy. They also form the basis for our precision gantry and precision cross tables.



BRIDGE AXES

Our bridge axes are equipped with a closed aluminium profile and external HIWIN double guide in an O arrangement. This makes them particularly resistant to torsion and designed for maximum torque loads. They are available with toothed belt, rack and pinion and linear motor drives.



ROTARY TABLES

Our rotary tables are particularly rigid, precise and compact. As a direct drive without gears, the rotary tables position highly dynamically and are freely programmable.



SERVO MOTORS

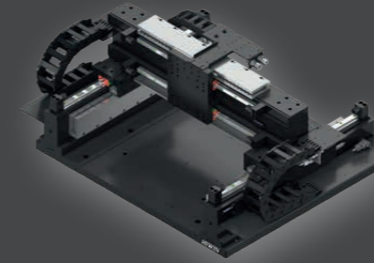
High torques across the entire speed range for demanding drive tasks. We offer the entire motion system from a single source: servo motor, servo drives and linear axes.

MULTIPLE MOTIONS

Automation is the combination of several coordinated movements. Based on our individual components, our motion systems work in applications for sorting, placing, assembling or controlling. As a standardised or customised linear axis system, precision system or application-specific sub-system – we reliably generate and guide motion in space.



HIWIN®



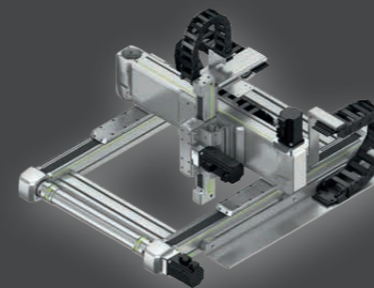
PRECISION GANTRY

Our precision gantry fulfil the highest requirements in terms of precision and dynamics. Designed as a standard system, we work with you to develop your customised solution in the shortest possible time. Depending on requirements, also on a granite basis.



PRECISION CROSS TABLES

More compactness is not possible: We offer our high-precision and dynamic cross tables as a preconfigured standard system or fully customised. Encapsulation, motor type and encoder system can be customised to your motion tasks.



STANDARDISED AXIS SYSTEMS

For movement tasks in 2- and 3-dimensional space: Our standardised axis systems can be individually configured in millimetre steps up to complete systems ready for installation.



CUSTOMISED AXIS SYSTEMS

Customised axis systems for your motion task: We will be happy to work with you to create the right positioning and transport concept for your application. Get in touch with us right away.

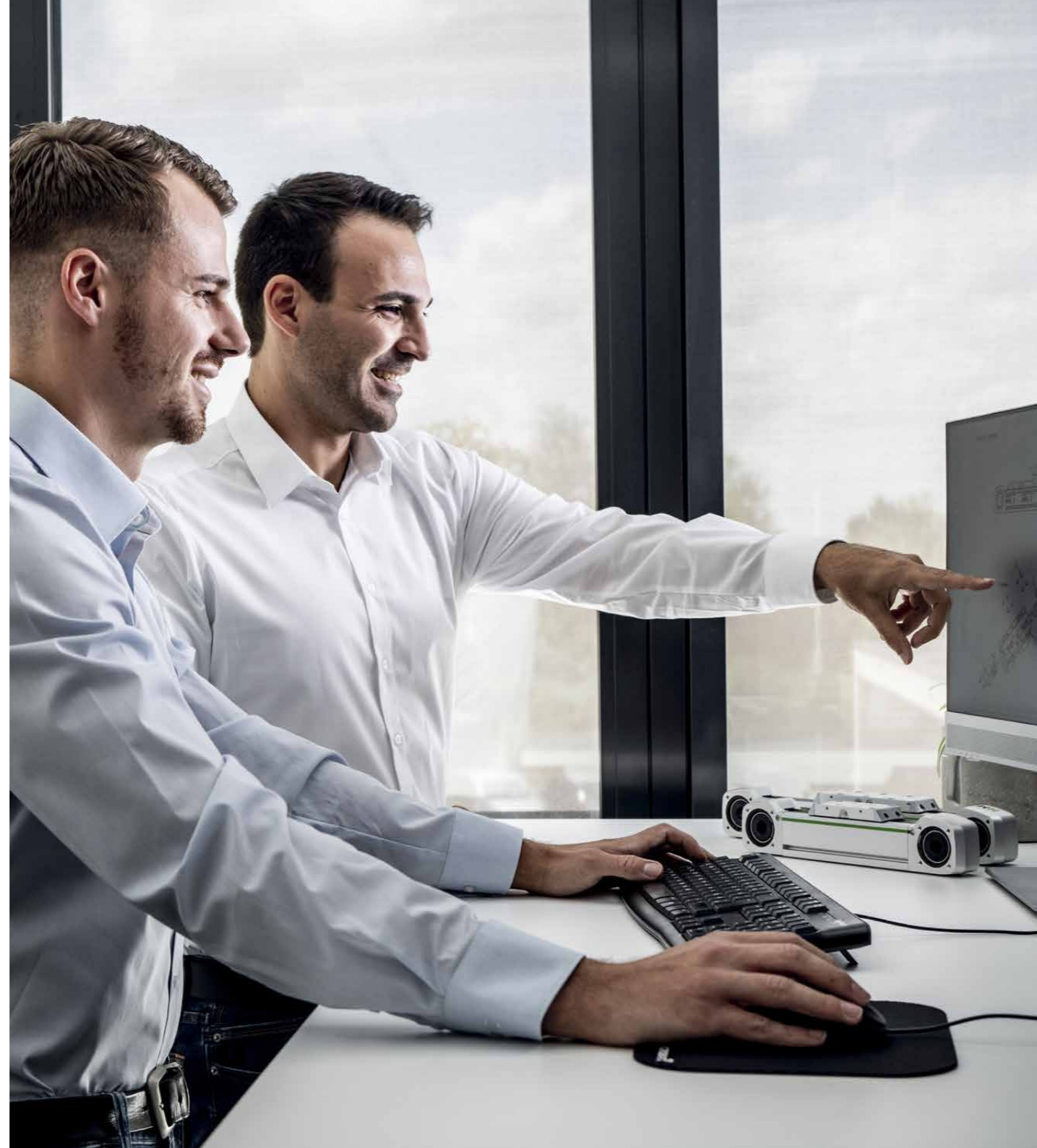


SWIVEL TABLES

Our ready-to-install rotary axes can be integrated without any design effort. The robust bearings and powerful clamping enable reliable and high-precision movement of the workpieces during machining.

TOGETHER IN MOTION

Your movement is our task. We think along with you. We think ahead. We think laterally. From the initial idea to the finished drive solution – from individual components to ready-to-install multi-axis systems. We develop countless motion solutions for your requirements. In addition to personal consultation, our online tools are also available to you. Motion is our passion.



CUSTOMISED SOLUTIONS EVERYTHING FROM A SINGLE SOURCE

HIWIN IN MOTION

We have production sites in Germany, Europe and all over the world. This enables us to develop customised solutions on site and realise short delivery times.

HIWIN WEBSHOP

Order your products with just a few clicks directly in the webshop or via the interface between your ERP system and ours.

WE ARE HERE FOR YOU

Whether you have mechanical or mechatronic questions – put your trust in our expertise. We have the ideal solution for your motion task.

SIZING TOOLS

You can easily calculate the design of your application on our website using the same tools as our specialists.

PRODUCT CONFIGURATOR

The right motion solution in just a few clicks: Your configuration, including 3D CAD model, can be sent directly to our production department on request.

SYSTEM NOT YET FOUND?

Our application engineers will work with you to create the optimum solution for you. Get in touch with us: precision@hiwin.de

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