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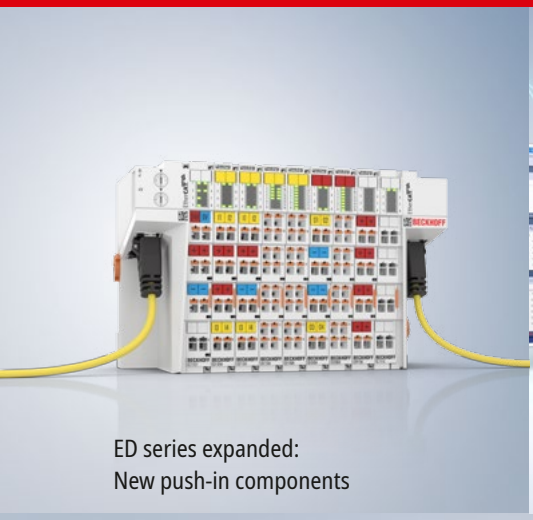

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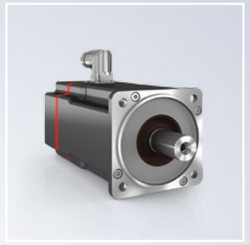

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Discover all our product developments, extensions and innovations at

▸ www.beckhoff.com/product-news

The IPC Company

The Industrial PC (IPC) is the hardware centerpiece of PC-based control technology. Beckhoff supplies Industrial PCs suitable for any application, which are based on open standards, enabling individual configuration to meet a wide range of control requirements.

Whether in the form of an Embedded PC with a compact form-factor for DIN rail mounting, a control cabinet PC, or as a Panel PC, in-house motherboard development enables Beckhoff to respond quickly to IT trends and customer-specific requirements.

▸ www.beckhoff.com/ipc

- large model variety of Industrial PCs and Embedded PCs
- high-performance PCs, featuring a wide range of processors, from Intel® Celeron® to top of the line Intel® Core™ 9 processors
- long-term availability of all Industrial PCs and Embedded PCs
- As the inventor of PC-based control technology, Beckhoff closely cooperates with global technology partners Intel and Microsoft.











High-performance entry-level models: Industrial PCs with Arm® multi-core CPUs

For entry-level industrial PCs, Beckhoff is introducing an Arm® Cortex® CPU with six cores: two Arm® Cortex®-A78 cores and four Arm® Cortex®-A55 cores, each with a clock frequency of 2 GHz. The powerful CPU is excellent for demanding visualization projects and additional control tasks. Initially, the new generation of processors will be available for the CP46xx and CP56xx Next multitouch Panel PCs and for the CP6600 and CP6606 economy Panel PCs.

www.beckhoff.com/arm-multi-core



reddot winner 2026
industrial design

Efficient operation: The Next multi-touch panel generation

The Next multi-touch panel series is advanced and cost-optimized, and further expands the diversity of Beckhoff's broad portfolio. As usual, this generation of control panels and panel PCs offers user-friendly operation thanks to advanced multi-touch technology, a high-quality design, and a wide choice of formats and options.

Advantages:

- economic solutions that meet the demand for modern visualization and control
- elegant design and high-quality workmanship
- industrial-grade displays with multi-finger touch function
- developed and manufactured in-house, entirely in Germany
- flexibly scalable performance thanks to various multi-core architectures
- diagonals from 7 to 23.8 inches

The Next panel portfolio

Multi-core panel PCs with Arm® processor
- CP46xx as a built-in device
- CP56xx in an IP65 version

Multi-core panel PCs with Intel Atom® x7
- CP47xx as a built-in device
- CP57xx in an IP65 version

Multi-touch control panels in a smart design
- CP49xx as a built-in device
- CP59xx in an IP65 version

▶ **www.beckhoff.com/next-panel-generation**

Product announcement For availability status of the new products see Beckhoff website at: www.beckhoff.com

CX54x0 Embedded PC series: Same form factor, more computing power

The DIN rail-mountable and fanless CX54x0 Embedded PCs are equipped with Intel Atom® x7 series processors with up to eight cores.
- 8 or 16 GB RAM
- electrically isolated 24 V DC power supply unit, UPS OCT-capable
- built-in capacitive 1-second UPS for persistent data storage
- left-side extension interface for up to 2 system modules
- 2.5 Gbit/s Ethernet interfaces

The series comprises three devices:
- CX5430: Intel Atom®, 2.0 GHz, 2 cores
- CX5440: Intel Atom®, 1.5 GHz, 4 cores
- CX5460: Intel Atom®, 1.3 GHz, 8 cores

▶ **www.beckhoff.com/cx54xx**





New graphics card for the C6043 ultra-compact Industrial PC

The C6043 combines a high-performance Intel® CPU and an NVIDIA® GPU in an ultra-compact form factor. The available graphics cards now include a high-performance NVIDIA RTX™ PRO 500 from the Blackwell generation. Equipped with 6 GB of GDDR7 RAM and the latest GPU architecture, this card outperforms the NVIDIA RTX™ A500 by 50% in benchmarks, making it ideal for demanding machine learning and vision applications. The NVIDIA RTX™ PRO 500 is available as the C9900-A390 without display interfaces and as the C9900-A391 with three DisplayPorts.

▶ **www.beckhoff.com/c6043**

Intel® Core™ Series 2 for more performance

Beckhoff integrates the Intel® Core™ Series 2 processors in the C6040 ultra-compact Industrial PC, the C6640, C6650 and C6675 ATX PCs and the C5240 19-inch slide-in Industrial PC. The CPU update offers a significant performance boost:
- up to 12 Performance-cores
- up to a turbo frequency of 5.9 GHz and a base clock of 4 GHz

The new processors are suitable for all applications with the highest demands on single-core computing power and/or highly parallelized applications that benefit from many powerful cores.

▶ **www.beckhoff.com/intel-core-series-2**



We reserve the right to make technical changes.

The I/O Company

Beckhoff supplies a complete range of fieldbus components for all common I/O and bus systems. With Bus Terminals offering IP20 protection and Fieldbus Box modules in IP67, a comprehensive range of devices is available for a wide variety of signal types and fieldbus systems. In addition to components for conventional bus systems, Beckhoff offers an integrated product range optimized for EtherCAT. Invented by Beckhoff, this real-time Ethernet solution for industrial automation has global acceptance and is characterized by outstanding performance and simple handling. The result is high-precision machine and plant control and significantly increased production efficiency.

▸ www.beckhoff.com/io
▸ www.beckhoff.com/ethercat ▸ www.ethercat.org

- comprehensive, modular I/O system for all signal types and fieldbus systems
- universal product range optimized for EtherCAT
- high investment security: mature I/O technology based on more than 25 years of success in the field
- EtherCAT communication has been proven in practice for 20 years and is a worldwide standard.











High-performance EtherCAT plug-in modules with 2 A outputs, channel-specific diagnostics, and high-speed inputs

Three powerful EtherCAT plug-in modules expand the digital signal layer on the circuit board. The EJ2034 introduces 2 A to the product portfolio for the first time, enabling the direct control of valves, relays, and solenoid actuators without additional components. The EJ2819 offers high channel density with 16 digital outputs rated at 0.5 A each, as well as comprehensive channel-specific diagnostics. With oversampling and a 1 µs input filter, the EJ1264 is ideal for highly precise acquisition of high-speed 24 V signals, making it suitable for applications with stringent timing requirements.

With digital, analog, communication, motion, and safety modules, the EJ series offers comprehensive coverage for virtually all automation tasks and supports customizable and economically efficient machine designs in series production.

▸ **www.beckhoff.com/ej1264**
▸ **www.beckhoff.com/ej2034**
▸ **www.beckhoff.com/ej2819**



Angled M8 EtherCAT and EtherCAT P connectors for field installation
Connectors for field assembly are designed for quick, safe, and convenient installation in the plant. The angled M8 EtherCAT and EtherCAT P connectors with variable outlet orientation offer a compact solution for space-saving cable routing in the tightest installation situations.



▸ **www.beckhoff.com/zs1090-1016**
▸ **www.beckhoff.com/zs1090-1017**
▸ **www.beckhoff.com/zs7000-0012**
▸ **www.beckhoff.com/zs7000-0014**

MDR controllers for efficient intralogistics applications
The EP741x EtherCAT Box modules are setting new standards for safety, efficiency, and modularity in an automated material flow. The IP54-protected modules are available with two or four outputs and, depending on requirements, also without safety functions. Integrated cables and standardized connectors reduce costs, eliminate wiring errors, and minimize installation time for system builders.

24 and 48 V BLDC motors from any manufacturer are controlled with update rates in the microsecond range, ensuring absolute synchronization, even with extensive conveyor lines and complex systems. As a highlight, the EP741x-9071 implements emergency stop requirements in an efficient manner: while conventional controllers require a complete shutdown of the power supply, the EP741x-9071 safely disconnects the motor power stage without affecting the control electronics.

▸ **www.beckhoff.com/ep7412-0071**
▸ **www.beckhoff.com/ep7412-9071**
▸ **www.beckhoff.com/ep7414-0071**
▸ **www.beckhoff.com/ep7414-9071**



Product announcement For availability status of the new products see Beckhoff website at: www.beckhoff.com

Seamlessly optimized EtherCAT Terminals: The ED series provides a smart I/O upgrade

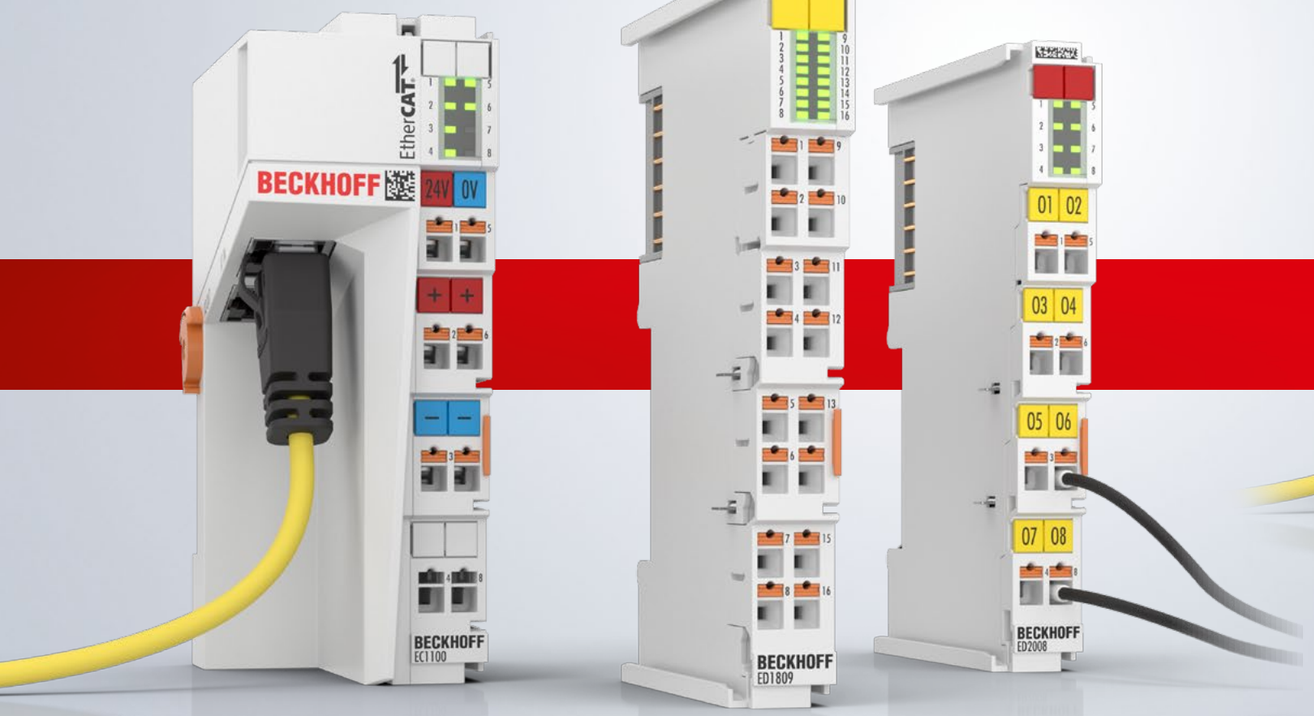
Continuous development of the I/O system for the control cabinet

Users have long appreciated Beckhoff's EtherCAT Terminals for their excellent performance, modular scalability, and user-friendliness. The entire portfolio has received a technological upgrade with the ED series: modernized design, tool-free assembly, and app-based diagnostics via DataMatrix code (DMC) make signal acquisition more efficient than ever. Existing series remain fully mechanically compatible: the user-friendly ED series sets a standard for the future.

▶ **www.beckhoff.com/edxxxx**



The DataMatrix code (DMC) contains product-specific information and enables app-based diagnostics on site.



Benefits:

- future-proof investment protection thanks to flexible integration options
- faster installation, commissioning, and maintenance thanks to simplified handling
- simple terminal traceability for quality assurance and spare parts management
- I/O system can be uniquely adapted to a wide range of machine concepts
- very user-friendly thanks to quick and easy wiring
- high productivity and quality with fast reactions to process events
- reduce system costs without compromising on performance

ED series expanded: New push-in components

With the new EC1101 EtherCAT Coupler, digital I/O terminals, potential distributors, and a counter terminal, the ED series featuring push-in connection technology is being expanded specifically to include additional signal functions and wiring options.

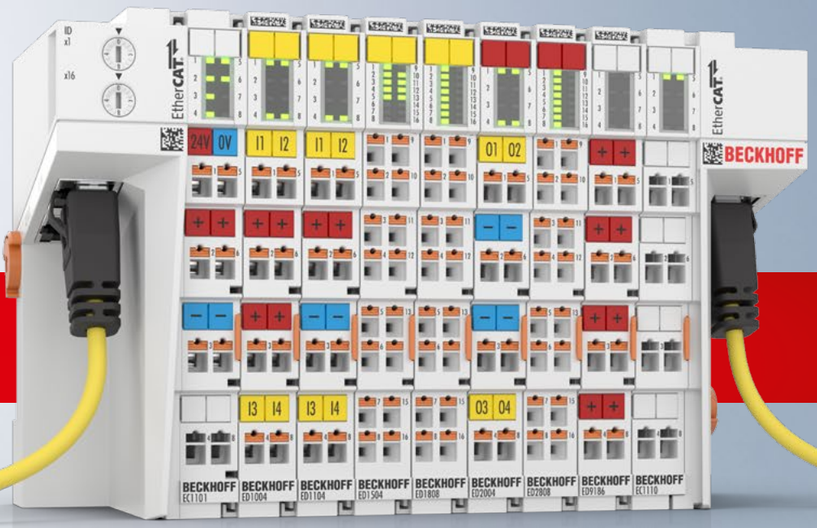
The angled RJ45 connectors of the EC1101 make the I/O station design very compact thanks to reduced bend radii. Two integrated ID switches also support unique addressing of up to 256 device groups (in variable topologies or hot connect applications, for example).

New digital input and output terminals with four or eight channels expand the wiring options for 24 V DC signals in 2-wire and 3-wire connection technology. Active sensors can be connected directly or signals and voltages can be clearly assigned at the terminal as appropriate for the connection concept.

The ED1504 is a 4-channel counter terminal designed for high-speed counter inputs up to 100 kHz. Suitable for counting, measuring, and positioning tasks, it supports up and down counting as well as speed and frequency measurement, among other things. It also connects the counter functions to flexible digital inputs.

The ED91xx Terminals add flexible solutions for potential distribution to the product portfolio. They cover a wide range of applications, from the simple distribution of 24 V or 0 V to variants for mixed potentials.

▶ **www.beckhoff.com/ec1101**
▶ **www.beckhoff.com/ed1004**
▶ **www.beckhoff.com/ed1104**
▶ **www.beckhoff.com/ed1504**
▶ **www.beckhoff.com/ed1808**
▶ **www.beckhoff.com/ed2004**
▶ **www.beckhoff.com/ed2808**



Live information on site with Beckhoff Diagnostics app

The Beckhoff Diagnostics app offers mobile, immediately available diagnostic functions for Beckhoff EtherCAT devices. In combination with a compatible diagnostic gateway such as the ED6060, a smartphone or tablet becomes a powerful diagnostic tool for on-site service calls.

Main functions:

- automatic detection of supported EtherCAT devices
- display of error and diagnostic codes (CoE 0x10F3)
- device status and live information
- simple signal recording (scoping)
- read-only access for maximum security

▶ **www.beckhoff.com/ed6060**

Download on the App Store

GET IT ON Google Play

Product announcement For availability status of the new products see Beckhoff website at: www.beckhoff.com

We reserve the right to make technical changes.

The Motion Company

In combination with the motion control solutions offered by the company's TwinCAT automation software, Beckhoff Drive Technology provides an advanced, all-inclusive drive system. PC-based control technology from Beckhoff is ideally suited for single- and multi-axis positioning tasks with high dynamic requirements.

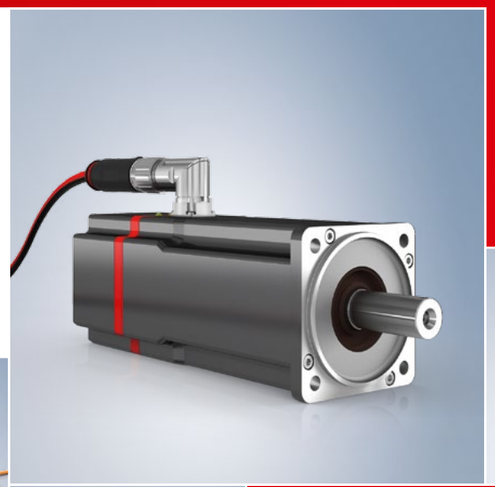
The servo drive series with high-performance EtherCAT communication offer the best-possible performance and dynamics. Servomotors with One Cable Technology (OCT), combining power and feedback systems into one standard motor cable, reduce material and commissioning costs.

▸ www.beckhoff.com/motion

- scalable product range of servo drive technology
- integrated safety technology in compliance with safety performance level PL e, integrated into compact drive technology up to safety performance level PL d
- As the pioneer of One Cable Technology and the eXtended Transport System, Beckhoff specializes in manufacturing efficient, space-saving motion solutions.











The economy drive system: An economical combination of high-performance drive technology

Global cost pressure in machine building is forcing many designers to readjust the balance between performance and affordability. Beckhoff is responding to this situation with the economy drive system: a coordinated platform of servomotors, servo drives, and variable frequency drives enables compact, cost-efficient machine concepts that are fully integrated into the world of PC-based control. With the economy drive system, Beckhoff is underlining the fact that "Made in Germany" and cost efficiency are not contradictions in terms.

Benefits:

- optimized price/performance ratio
- takes up minimal space in the control cabinet and machine due to compact designs
- available as a single-axis or highly cost-effective dual-axis version
- convenient design, commissioning, and diagnostics with TwinCAT

▸ **www.beckhoff.com/economy-drive-system**





Everything from a single source: Braking resistors and mains filters for complete drive solutions
As a full-range supplier of system components, Beckhoff supplies suitable external braking resistors and mains filters for the new economy drive system. The AX2090-BW10-xxxx external braking resistors are available in different variants for devices with 1-phase and 3-phase supply and different power ratings. This ensures that the braking resistors are optimally adapted to the application.
In addition, the high-quality AX2090-NF1x-xxxx mains filters ensure outstanding interference suppression for the devices in the economy drive system. When the components are combined, they meet industry standards up to category C2 in accordance with EN 61800-3.

▸ **www.beckhoff.com/ax2090-bw10**
▸ **www.beckhoff.com/ax2090-nf1x**

Product announcement For availability status of the new products see Beckhoff website at: www.beckhoff.com

Economy servo drive for small to medium power ratings

The AX1000 economy servo drive is a highly cost-effective series in the rated current range from 1.65 to 12 A and delivers outstanding performance. The AX1000 is available for single-phase infeeds with 1 x 230 V AC and, in the higher power range, for three-phase infeeds with 3 x 400 V AC – as both single and dual-axis versions. The devices are perfectly integrated into TwinCAT via EtherCAT and support AM1000 and AM8000 series servomotors as well as asynchronous and reluctance motors.

Benefits:
- small form factor makes it easy to maximize limited space
- no external power supply required due to internal 24 V generation
- optional TwinSAFE Safe Motion functions available
- convenient design, commissioning, and diagnostics with TwinCAT

▶ **www.beckhoff.com/ax1000**







Compact and cost-effective: The high-performance AM1000 servomotor

With the AM1000, Beckhoff is adding a robust servomotor for dynamic positioning tasks to the economy drive system. The servomotor is designed for use with the AX1000 economy servo drive and meets the highest technological demands with an optimized price/performance ratio.

In combination with the AX1000 and One Cable Technology (OCT), users benefit from a perfectly coordinated servo drive system with simple plug-and-play commissioning. The economy servo drive system (AX1000 and AM1000) is available in various power levels from 50 to 1,700 watts, simplifying selection and configuration.

The servomotor is available in common international flange dimensions of 40, 60, and 80 mm and enables space-saving machine integration thanks to its extremely compact design.

Benefits:
- space-saving machine integration due to extremely compact design and high power density
- extremely simple commissioning and minimal cabling work due to OCT
- can be used worldwide thanks to optimized winding design for all power supplies up to 480 V AC
- robust design with compact metal connector

▶ **www.beckhoff.com/am1000**

Economy variable frequency drive for the entry-level range

With the AF1000 economy variable frequency drive, Beckhoff now offers a cost-effective solution for basic drive applications including conveyor systems, pumps, and fans. The compact, highly integrated devices are suitable for implementing drive axes with synchronous, asynchronous, and reluctance motors without a feedback system. The AF1000 can be operated on single-phase power supplies with 1 x 230 V AC and, in the higher power range, on three-phase power supplies with 3 x 400 V AC and outputs from 370 W to 5.5 kW.

Benefits:
- small form factor makes it easier to maximize limited space
- particularly cost-effective as a dual-axis module
- convenient and complete integration into TwinCAT as an EtherCAT device

▶ **www.beckhoff.com/af1000**

Product announcement For availability status of the new products see Beckhoff website at: www.beckhoff.com

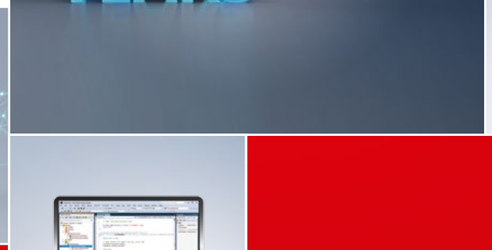
We reserve the right to make technical changes.

The Automation Company

Beckhoff offers comprehensive system solutions in numerous performance classes for all areas of automation. The control technology is exceptionally scalable – from high-performance Industrial PCs to mini-PLCs – and can be adapted precisely to application-specific requirements. TwinCAT automation software integrates real-time control with PLC, NC and CNC functions in a single feature-filled package.

▸ www.beckhoff.com/automation

- efficient, universal engineering
- programming in different languages
- Open, hardware-independent control system gives freedom of choice in terms of automation and control components.
- scalable control platform from single- to multi-core CPUs
- all control functions on a single, centralized platform: PLC, motion control, robotics, measurement technology, a.o.





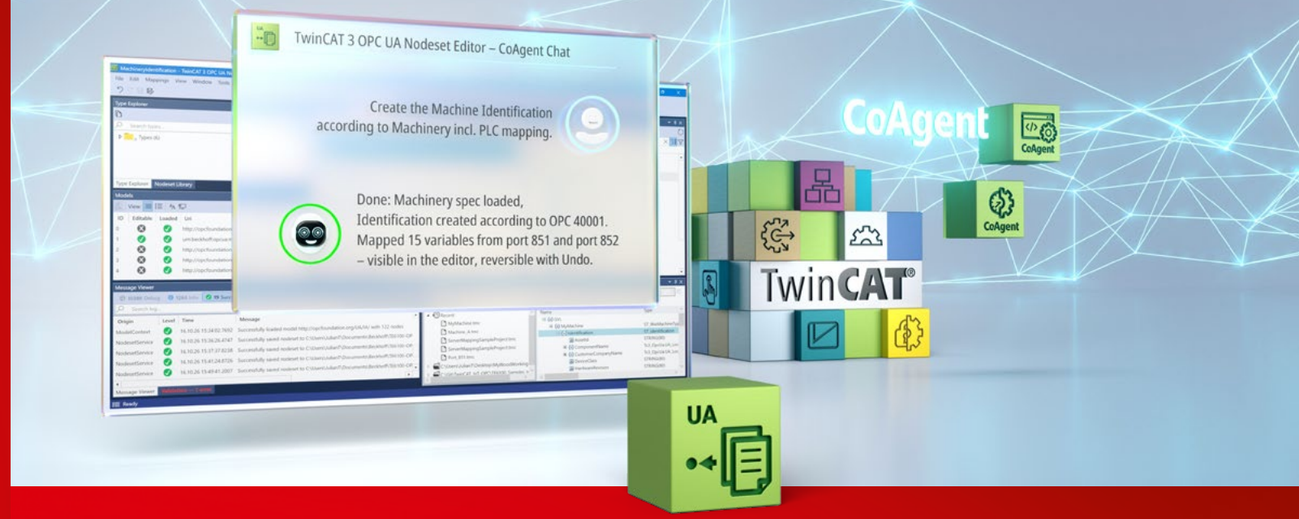


AI agent for OPC UA models

The integration of the TwinCAT CoAgent into the TwinCAT 3 OPC UA Nodeset Editor enables OPC UA information models to be created using natural language. The Nodeset Editor agent creates types, objects, methods, and variables, instantiates companion specifications, and links the nodes directly to one or more TwinCAT PLCs via ADS mapping. Any changes appear immediately in the editor and can be rolled back with a single "Undo" command. The agent checks normative information against the OPC UA specification. The functionality is also accessible externally and can be integrated into your own AI workflows.

It is based on a new, noticeably faster version of the editor that features configurable validation, a graphical compare-and-merge tool, a central nodeset library, and portable projects. OPC UA instances – including ADS mapping – are created in a single step using drag and drop from the Target Browser.

▸ **www.beckhoff.com/opcua-ai**
▸ **www.beckhoff.com/te6100**





Automatic generation of UI content
With the TF2900 TwinCAT 3 HMI System Engineering Functions extension, a "Functions" area is added to System Engineering.

System Engineering extends the TwinCAT HMI Server with capabilities for automatically generating user interfaces. Attributes on the PLC side provide the foundation for this: They define what content is required for the HMI. Based on this, System Engineering dynamically generates appropriate elements within an HMI control.

For example, the standard package allows machine parameters to be displayed automatically – without the need for an additional license. The "Functions" feature adds the ability to automatically generate actions and operating functions. This makes it possible to implement manual controls, individual machine actions, or even state models in the HMI quickly and in a structured manner.

▸ **www.beckhoff.com/tf2900**



TwinCAT Runtime for Simulation and CI/CD
The TwinCAT 3 Restricted Runtime license was specially developed to run over many hours in continuous integration, continuous deployment, and simulation processes.
It enables flexible, recurrent use in development and test environments, but is not suitable for live operation.

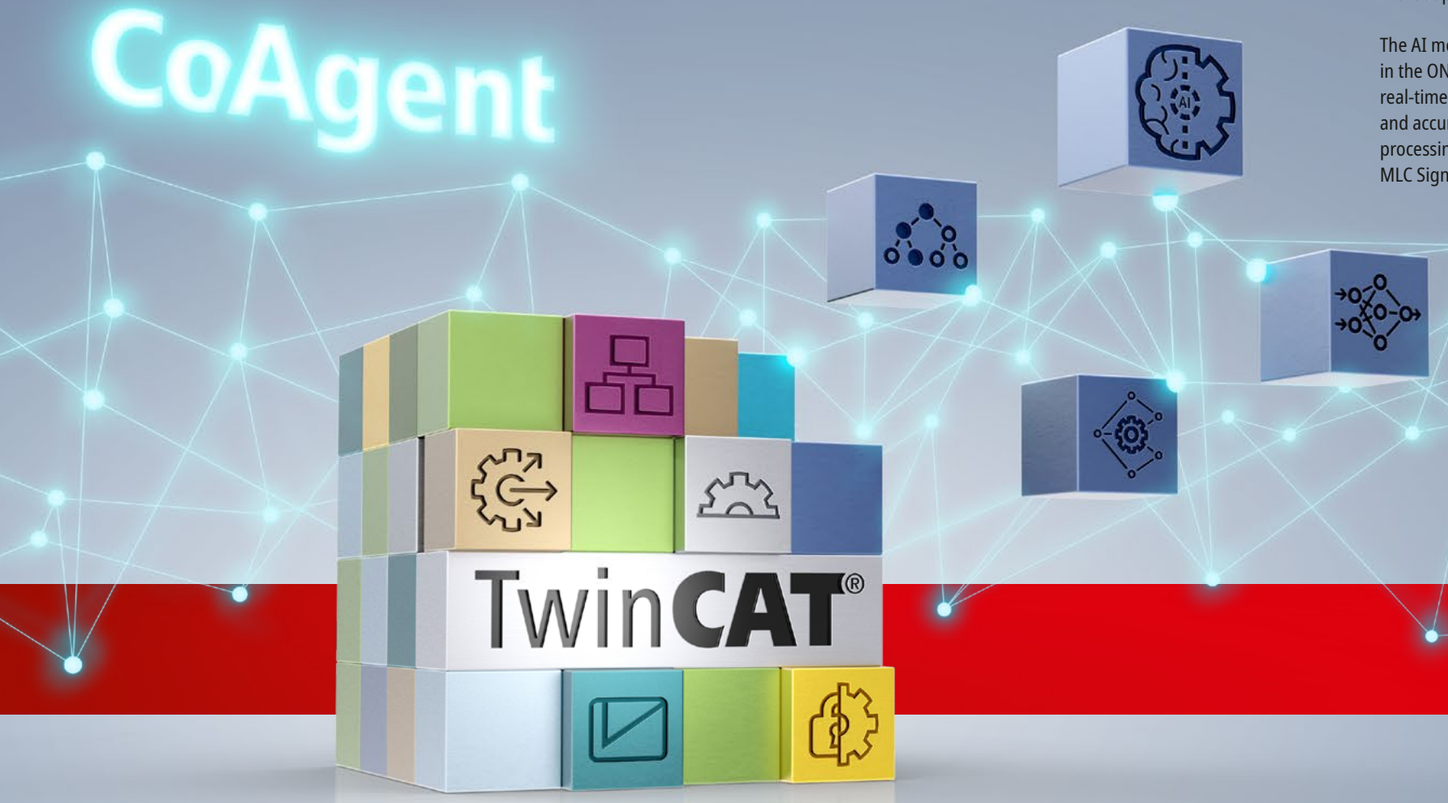
The scope of delivery includes a defined selection of licenses for TwinCAT 3 products that are specifically tailored to simulation and automation tests without physical I/O systems such as EtherCAT.

After six hours, the integrated sanction function automatically switches the software to TwinCAT configuration mode and stops program execution. Restarting provides up to six additional hours of runtime, as often as necessary.

▸ **www.beckhoff.com/tc399x**

Product announcement For availability status of the new products see Beckhoff website at: www.beckhoff.com

TwinCAT CoAgent: Expanded AI functions for the entire automation process



TwinCAT CoAgent simplifies software engineering – and in future will also simplify machine operation – through the use of artificial intelligence and automated assistance functions.

TwinCAT 3 CoAgent for Engineering (TE1700) supports control programmers by working as a personal assistant to provide precise code suggestions, smart optimizations, and automatic documentation. Checked content can be transferred directly to projects. The CoAgent enables quick access to Beckhoff documentation, provides support with the development of user-friendly HMI controls, and simplifies I/O configuration via chat or natural language. This saves time on routine tasks and creates more freedom for sophisticated automation tasks.

The new TwinCAT 3 CoAgent for Operations (TF1700) module brings agent technology into machine operation: The CoAgent monitors process values, detects deviations, and supports service technicians in diagnosing faults. Through intelligent alarm evaluation, the CoAgent reduces false alarms, prioritizes faults, and shortens the time it takes to rectify them. The CoAgent also supports the creation of automated evaluations and reports – for greater transparency and quality in operations.

In summary, Beckhoff TwinCAT CoAgent proves to be a powerful AI assistant over the entire automation lifecycle.

▶ **www.beckhoff.com/te1700**
▶ **www.beckhoff.com/tf1700**

Taking physical AI to the next level of automation
Physical AI is a current focal topic that merges artificial intelligence and classic machine control. This is a paradigm shift: LLMs are leaving the chat window to get to work on real-life motion sequences via standardized interfaces. The operator defines the goals in natural language, AI provides context-related suggestions and implements them directly in the process if desired.

This new class of control systems makes automation incredibly intuitive and allows complex solutions to be built without programming expertise.

▶ **www.beckhoff.com/twincat-coagent**

Machine Learning Creator: New feature enables further optimization

TwinCAT 3 Machine Learning Creator (MLC) extends the engineering workflow in TwinCAT 3, adding the automated creation of AI models, and is aimed at automation and process experts, including those without prior knowledge of data science.

The AI model that has been trained with TwinCAT MLC can be exported in the ONNX open standard format and is optimally adapted to the real-time requirements of industrial control systems in terms of latency and accuracy. Until now, the focus has been on AI-supported image processing (TwinCAT 3 MLC Computer Vision). The new TwinCAT 3 MLC Signals and Time Series module extends the range of functions to include the analysis of time-based process signals. This is a key technology for industrial applications, as current, temperature, and vibration curves provide valuable information about the state of processes, components, and tools.

The models created with MLC Signals and Time Series detect patterns and deviations in real time, enabling predictive maintenance, process optimization, and anomaly detection directly in the control environment.

TwinCAT 3 Machine Learning Creator is a pure web application. As the engineering takes place entirely in the browser, no local computing power is required. AI model creation is made easier and more accessible.

▶ **www.beckhoff.com/machine-learning**
▶ **www.beckhoff.com/te3850**
▶ **www.beckhoff.com/te3851**
▶ **www.beckhoff.com/te3852**
▶ **www.beckhoff.com/te3860**

Product announcement For availability status of the new products see Beckhoff website at: www.beckhoff.com

We reserve the right to make technical changes.

The System Company

For the first time in machine and system engineering, the MX-System enables completely control cabinet-free automation solutions. By consistently combining, applying and further developing Beckhoff's expertise, a holistic, modular pluggable system has been created. The combination of MX-System baseplate and MX-System function modules resulting from the modular construction kit combines all tasks and features of a control cabinet: energy supply, fuse protection and distribution, generation and monitoring of auxiliary voltages, sequence control with the inputs and outputs, control of motors and actuators as well as the connection level for the field devices. The full system integration of all machine functionalities is achieved via freely selectable IPC, coupler, I/O, drive, relay and system modules, which can be configured and combined suitable for the specific application.

▸ www.beckhoff.com/mx-system

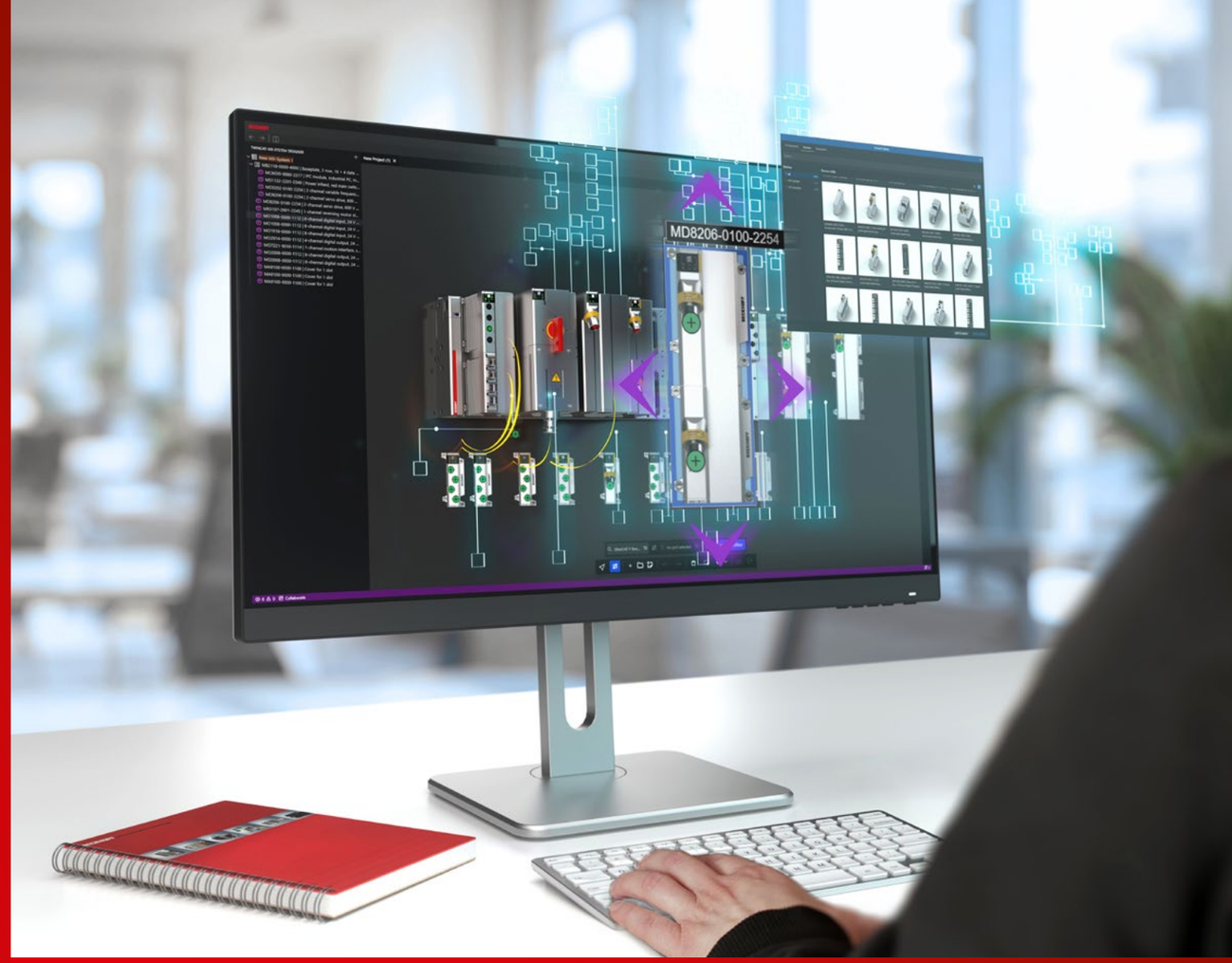
- distribution of voltage and EtherCAT via standardized connectors
- assembly and wiring in the shortest possible time thanks to the modular design principle
- flexible and precisely adaptable to application requirements
- quick and easy system diagnostics during operation via app
- three sizes and performance classes can be freely combined













Control cabinet-free design: The digital way

The MX-System Designer is a web-based engineering tool for efficient planning and configuration of automation systems based on the MX-System. System architectures can be modeled graphically and checked for technical consistency early on in projects.

This tool can combine modules, define connections, and create complete system structures without requiring detailed parameterization of individual devices. The system-oriented approach makes functional relationships and dependencies between components visible, which makes complex systems easier to understand.

Impermissible combinations and inconsistent configurations can be detected at an early stage. This helps to prevent planning errors and cuts down on subsequent adjustments in the engineering process.

The structured display of the configuration is a good foundation for further implementation in engineering tools and supports consistent project planning.

The MX-System Designer is a web-based tool that does not need to be installed, thus allowing you to get started right away.

▸ www.beckhoff.com/mx-system-designer
▸ www.beckhoff.com/te1050

We reserve the right to make technical changes.

The Vision Company

As a specialist for PC-based control technology, Beckhoff consistently aims to integrate all machine functionalities into one control platform. With TwinCAT Vision, this has included image processing within software since 2017. The machine vision product spectrum is now complete thanks to the introduction of the comprehensive hardware range from Beckhoff. Machine builders and end users thus have a complete image processing system at their disposal that covers all the necessary components from software to illumination which, integrated into the system, provides users with significant competitive advantages.

▸ www.beckhoff.com/vision

- complete hardware portfolio for industrial image processing
- ultra-fast EtherCAT performance and robust design
- perfect synchronization with any process
- simple, direct integration into the control
- open and scalable machine vision system





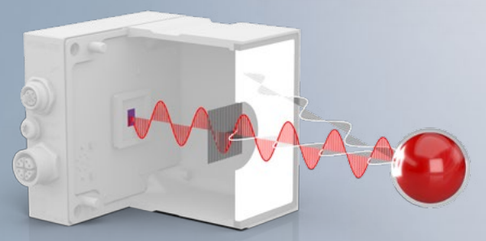


More models, more precision

The Vision Unit Illuminated (VUI) is a compact unit comprising the camera, illumination, and focusable optics complete with liquid lens technology. The series has now been expanded with 16 devices with new image sensors.

- resolutions: available in 5.1 MP, 8.1 MP and 12.4 MP for applications ranging from fast clock recording to detailed quality inspection
- industry-ready: developed for the constantly harsh machine construction environment – compact, robust, and designed for easy integration into the control solution





New option for all area scan camera units: cross-polarization filters
For illumination close to the axis, which can be achieved thanks to the compact design of the unit, a new option offers an effective solution for suppressing disruptive reflections on smooth or shiny surfaces. This expands the range of applications to include additional vision tasks, as features can also be imaged through transparent surfaces at high contrast and without reflections (e.g. glass, plastic, and water). The linearly polarized light from the illumination is reflected largely unchanged and filtered by the perpendicular filter on the image sensor. Surface shine is eliminated and contrast and detection accuracy are significantly increased – ideal for demanding inspection tasks.

▸ www.beckhoff.com/units

We reserve the right to make technical changes.

Beckhoff implements open automation systems using proven PC-based control technology. The main areas that the product range covers are industrial PCs, I/O and fieldbus components, drive technology, automation software, control cabinet-free automation, and hardware for machine vision. Product ranges that can be used as separate components or integrated into a complete and mutually compatible control system are available for all sectors. Our New Automation Technology stands for universal and industry-independent control and automation solutions that are used worldwide in a large variety of different applications, ranging from CNC-controlled machine tools to intelligent building control.

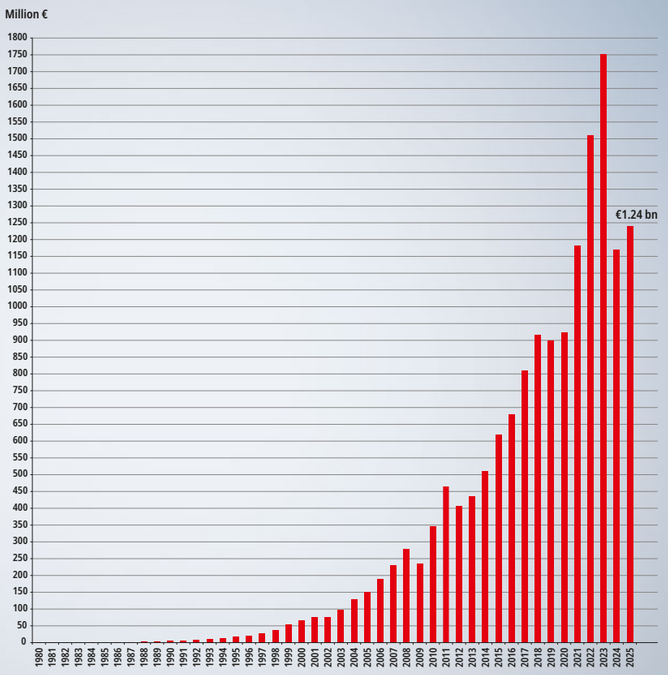
Since Beckhoff's foundation in 1980, the development of innovative products and solutions on the basis of PC-based control technology has been the foundation of the company's continued success. We recognized many standards in automation technology that are taken for granted today at an early stage and successfully introduced to the market as innovations. Beckhoff's philosophy of PC-based control as well as the invention of the Lightbus system and TwinCAT automation software are milestones in automation technology and have proven themselves as powerful alternatives to traditional control technology. EtherCAT, the real-time Ethernet solution, provides a powerful and future-oriented technology for a new generation of control concepts.



Beckhoff Automation at a glance

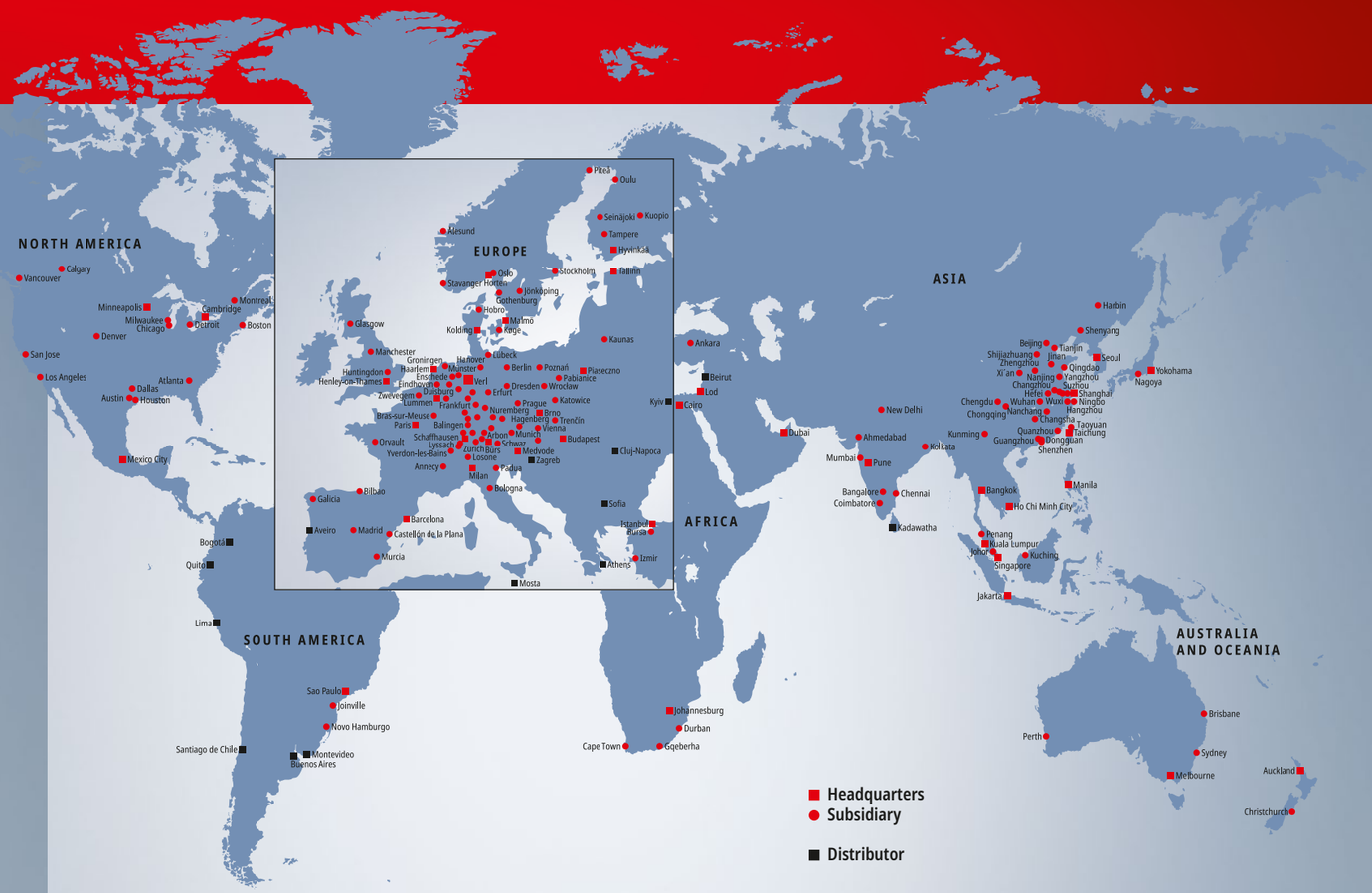
- 2025 global sales: €1.24 billion (+6%)
- Headquarters: Verl, Germany
- Managing owner: Hans Beckhoff
- Employees worldwide: 5,450 (March 2026)
- Engineers: 2,000
- Subsidiaries/representative offices worldwide: 41
- Sales offices in Germany: 23
- Representatives worldwide: > 75

Beckhoff Automation



Sales from 1980 through 2025.
Status: March 2026

Worldwide presence on all continents
The corporate headquarters of Beckhoff Automation GmbH & Co. KG in Verl, Germany, is the site of the central departments such as development, production, administration, sales, marketing, support and service. Beckhoff's presence in the international market is guaranteed by its subsidiaries. Beckhoff is represented in more than 75 countries by worldwide cooperation partners.



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More about Beckhoff

Company

Global presence

Events & dates

Jobs

Products

Industries

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Beckhoff Automation GmbH & Co. KG
Hülshorstweg 20
33415 Verl
Germany
Phone: + 49 5246 963-0
info@beckhoff.com
www.beckhoff.com

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