

PRESS RELEASE

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Bosch Rexroth performs handling tasks mechatronically – the quick and easy way

Smart Function Kit for Handling drastically reduces the engineering outlay and allows commissioning with just a few clicks

- ▶ Cost-effective multi-axis solution from a single source
- ▶ Quick commissioning thanks to automatic parametrization of the servo drive
- ▶ Fast integration and value creation



With the modular Smart Function Kit for Handling, Bosch Rexroth offers users a mechatronic subsystem for handling tasks which can be used immediately. (Image source: Bosch Rexroth AG)

An intelligent multi-axis system – quicker, more convenient and more cost-effective than ever before: Bosch Rexroth now makes this possible with the new [Smart Function Kit for Handling](#). After the [Smart Function Kit for Pressing and Joining](#), the linear motion technology experts are expanding the Smart MechatroniX solution platform with a second predefined subsystem which can be operated intuitively. With the new mechatronic kit, users can save a great amount of time when engineering multi-axis systems – for a quick return on investment with fully digitalized handling solutions.

The new Smart Function Kit can be used in a variety of areas, for example in production handling, machine assembly and packaging. Pick-and-place tasks

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can also be performed quickly and cost-effectively – as a Cartesian multi-axis system for packages of different sizes, weights and formats.

Plug-and-produce approach saves considerable amounts of time

The clever new subsystems for multi-axis applications offer noticeable advantages over conventional solutions. Significant amounts of time can be saved and costs can be reduced – from the dimensioning and final configuration through to the operating phase. The plug-and-produce approach also speeds up the commissioning process considerably.

Clever multi-axis solution from a single source

The Smart Function Kit for Handling can be selected and sized easily and intuitively via the [LinSelect software](#). With just a few clicks and minimal engineering work, anyone interested can find out exactly which system is suitable for their needs. The data from LinSelect can then be carried over to the configurator and the system can be configured to the end. Orders can also be placed directly via the Rexroth e-shop. This complete range of tools not only saves time – it also reduces potential sources of errors, e.g. as a result of entering the same data a number of times in different tools.

In addition to the preassembled multi-axis system including a motor, cable and all attached parts, a suitable ctrlX servo drive including controller is included in the package. Engineering and runtime apps are preinstalled.

Quick commissioning thanks to automatic drive parametrization

The preinstalled software saves a great deal of time and manpower when commissioning and integrating the subsystem. The entire system is automatically parametrized. Intuitive, graphical operation via a web-based HMI also reduces installation times. Ready-made function blocks make it easy to program the process. As a result, there is no need for expensive external programming work.

Open interfaces also allow the system to be connected to various controllers and thus perform bigger, linked handling tasks. The software can be

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expanded via apps. It has IIoT data interfaces via OPC-UA, a REST-API
RestT programming interface and a firewall-compatible security architecture.

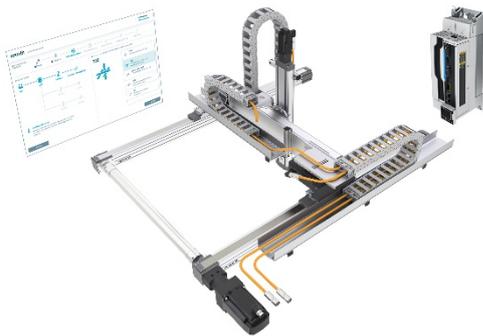


Image 2: Everything in one package: a preassembled multi-axis system including a motor, cable and all attached parts as well as a suitable ctrlX servo drive including a controller. (Image source: Bosch Rexroth AG)



Image source: The preinstalled software can be used on various end devices and can be operated immediately with no need for programming knowledge. (Image source: Bosch Rexroth AG)

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers

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hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries more than 29,600 associates generated sales revenue of around 5.2 billion euros in 2020.

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