PRESS RELEASE

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PI 047-19
For Immediate Use

Short-cycle transfers up to ten times faster: Rexroth presents the TS 2 Booster workpiece pallet

The new modular assembly for the TS 2plus transfer system reduces cycle times and positions workpieces with great precision.

- Stations can be approached flexibly
- Precision transportation of workpiece pallets thanks to linear motors
- For workpieces up to 40 kilograms

Quicker processes: the new TS 2 Booster from Rexroth

Rexroth has expanded its comprehensive range of linear motor transfer systems. At the same time, it is opening up new possibilities for the established TS 2plus transfer system. The assembly reduces cycle times, positions workpiece pallets with great precision and can be integrated in a modular, flexible manner. Rexroth has thus complemented its portfolio of transfer solutions such as the ActiveMover and the flexible FTS transport system.

Short-cycle applications have a wide range of requirements. Mechanical engineers and system operators must consider numerous aspects of transfer systems: Can the system move forwards and back again? How flexible is it? What sizes and weights can be transported? Can it be expanded if necessary?

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With the TS 2 Booster, Rexroth has now shown that customer requirements are at the heart of each product development. The new workpiece pallet is setting standards when it comes to speed, modularity and configurability. The TS 2 Booster was developed as a component for the established TS 2plus and helps the multi-talented transfer system to achieve new degrees of freedom and a unique level of flexibility. The innovative rapid intake system seamlessly takes the workpiece pallet from linear motor-driven sections and accelerates it to 3 g. This significantly reduces cycle times as the workpieces spend much less unproductive time before and in the stations.

These stations are approached flexibly and with great precision. The TS 2 Booster positions the workpiece pallet exactly– without additional positioning units, stop gates or handling systems. This also means that the Booster can replace a process axis. The pre-configured and standardized assembly can easily be integrated into TS 2plus systems, ensuring quick installation times and low costs. Within the TS 2plus transfer system, the flexible assembly allows a modular structure as usual.

The TS 2 Booster allows for efficient processes in the automotive, electronics production and health care sectors, as well as in controlled environments and clean rooms. With a maximum acceleration of 3 g / 30 m/s² and speeds of up to 3 m/s, it guarantees maximum productivity. It transports workpieces with a length of between 160 mm and 640 mm and a width of between 160 mm and 400 mm. Depending on the workpiece pallet size, it is suitable for loads weighing up to 40 kg. In the process, it achieves a workpiece pallet changeover time of up to 0.5 seconds.

With its great versatility, the new TS 2 Booster is the perfect and logical complement to the Rexroth portfolio in the area of linear motor transfer systems which offer users a suitable system solution for all requirements. These include the ActiveMover – a ready-made, ready-to-use circulating system. It requires minimal construction work and allows the exact positioning of the workpiece pallet with no additional indexing, and the flexible FTS transport system, a scalable building-block system with high degrees of freedom for workpieces weighing up to 1,000 kg, which can be integrated freely into systems and machines.

For more information, visit:
https://www.boschrexroth.com/en/us/products/product-groups/assembly-technology/topics/ts-assembly-conveyors-overview/ts-2plus-conveyors/index.

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About Bosch Rexroth:

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 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 ($6.3 billion) in 2020.

To learn more, please visit www.boschrexroth-us.com.

About Bosch:

Having established a regional presence in 1906 in North America, the Bosch Group employs 34,700 associates in more than 100 locations, as of December 31, 2020. According to preliminary figures, Bosch generated consolidated sales of $13.1 billion in the U.S., Canada and Mexico. For more information, visit www.bosch.us, www.bosch.ca and www.bosch.mx.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 394,500 associates worldwide (as of December 31, 2020). According to preliminary figures, the company generated sales of $87.1 billion in 2020. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 126 locations across the globe, Bosch employs some 73,000 associates in research and development, as well as roughly 30,000 software engineers.

Additional information is available online at www.bosch.us, www.iot.bosch.com, https://us.bosch-press.com/, https://twitter.com/BoschPress

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