

PRESS INFORMATION

Bring Bosch Rexroth's modular aluminum profile system directly into CAD environments with FRAMEpro

Eden Estabrook | 06/21/2022 | USA | AT22003

The intelligent FRAMEpro plug-in allows design engineers to seamlessly construction machine frames with Rexroth aluminum framing in familiar CAD environments

- Integrates into Autodesk® Inventor and SOLIDWORKS from Dassault
- Saves valuable time and unnecessary costs with numerous functions
- Creates exact connections automatically with intelligent macros

With the new FRAMEpro plug-in, directly transfer CAD files for Bosch Rexroth's modular aluminum profile system elements into popular CAD environments Autodesk® Inventor and SOLIDWORKS from Dassault. Users of both systems can reduce engineering time and help avoid errors from media breaks and potential incorrect entries. Automatically set connections and profile configurations and adjustments in the event of changes, intelligent macros and useful functions will save valuable time when planning and designing with Bosch Rexroth's proven modular aluminum profile system.

FRAMEpro complements the CAD environment by integrating a library of models and data that are kept up to date by Bosch Rexroth on an ongoing basis. Because CAD data no longer need to be transferred from external sources, manual imports, transmission errors or duplicate data are now a thing of the past.

Automatic connections and intelligent macros

Intelligent macros establish connections automatically, saving time and making it easier for users who no longer need to place components themselves. Profile configuration processes are also set to automatically match connector types. Other macros make it easier to incorporate panel elements and doors.

Lean ordering processes

FRAMEpro further supports design engineers and planners with practical search, sort and filter function. The selected profiles are placed in a 3D line model – centrally or with an offset – and can also be rotated. Accessories such as connectors, cover caps, bases and wheels can then be placed on the profiles.

FRAMEpro automatically transfers all components used including profile machining processes to a parts list which can be used to request a quote or place an order. Once the construction process is complete, the plug-in also lists the strut profiles used, including the necessary sawing and drilling steps.

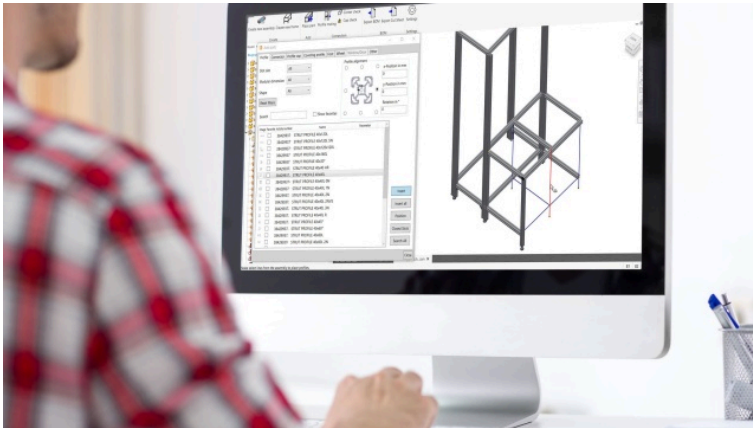
Automatic adjustment dimensions

If the dimensions in the 3D sketch are changed, FRAMEpro immediately adjusts the length of the placed profiles accordingly. Because all other components are connected via placing constraints, they are also automatically adjusted. This saves valuable time and resources.

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All in all, the intelligent CAD plug-in, FRAMEpro, plays an important role in making it even easier to design structures using Bosch Rexroth's modular aluminum framing portfolio and streamline ordering for a quicker time to market.

Learn more: www.boschrexroth-us.com/framepro



Basic Information 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 31,000 associates generated sales revenue of around 6.2 billion euros in 2019.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. 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 some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.

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