

PRESS INFORMATION

Innovative compact hydraulics

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Bosch Rexroth and HydraForce showcase broad range of compact hydraulics solutions



Showcasing the full portfolio of Bosch Rexroth and HydraForce Compact Hydraulics solutions, designed to deliver precision, efficiency, and reliability for mobile machines. (Image source: Bosch Rexroth AG)

Bosch Rexroth and its subsidiary HydraForce will showcase customized compact hydraulic solutions for OEM customers in the construction industry at bauma 2025 in Munich, Germany, April 7-13, Hall A3 – booth 327. The stand will include live demonstrations of compact hydraulics products from the industry's broadest line of high-quality hydraulic control solutions.

"Our collaborative participation at bauma 2025 highlights the powerful synergy achieved by aligning Bosch Rexroth's and HydraForce's engineering strengths with an expansive global distribution network," says Luca Roffi, Global Vice President Sales, Bosch Rexroth Compact Hydraulics. "Together, we are committed to enhancing operational efficiency for our customers worldwide and advancing market reach. Through continuous process optimizations and technological advancements, we not only meet the demands of today's market but also want to open new efficient possibilities for motion control."

The stand will showcase the latest Bosch Rexroth and HydraForce innovations, including:

Load Holding Valves

Engineered for maximum reliability in mobile machines like mini-excavators and loaders, these compact, energy-efficient valves optimize load management, reduce wear and enhance operational stability. Ideal for construction and agricultural machinery as well as material handling, they embody precision engineering at its finest.

H-Valve and E-Valve range

Designed for three to 50 ton excavators, the H-valve improves fuel efficiency by minimizing pressure drops. The E-valve range introduces electronic control for precise movements, reducing cycle times. Featuring an innovative "ghost mode," the E-valve range also optimizes energy consumption.

EHBL Digital Boom Control Valve and HF-Impulse 2.0

HydraForce's EHBL valve is an electro-proportional relief solution that offers exceptional flow capacity (up to 454 l/min) and reduced energy consumption, enhancing productivity. Paired with HF-Impulse 2.0, a user-friendly software tool, machine manufacturers can easily program controllers to streamline development and maintenance.

DG-OBE Piloted Compact Directional Valves

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Bosch Rexroth's modular EDG-OBE compact directional valves, complete with integrated electronics, provide high precision and reliability for applications like aerial platforms, forklifts and agricultural cranes, where safety and control are paramount.

Oil Condition Sensor in Partnership with Tan Delta Systems

The innovative sensor from HydraForce enables real-time oil quality monitoring, ensuring proactive maintenance and helps to reduce costly failures. Manufacturers of construction, agricultural and mining machinery benefit from the optimized use of resources and the reduction of waste.

"With a shared commitment to engineering excellence, Bosch Rexroth and HydraForce present an integrated range of hydraulic solutions based on advanced manufacturing capabilities and deep industry expertise," adds Roffi.

If you are unable to attend the show, go to this [Link](#) to request assistance from the companies' engineering experts.

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 and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering 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, around 33,800 associates generated sales revenue of 7.6 billion euros in 2023.

About HydraForce

HydraForce, is a global designer and manufacturer of motion control systems, encompassing hydraulic cartridge valves, manifolds and electronic controls for a variety of off-highway industries, including farming, construction, marine, material handling, mining, and forestry. HydraForce was acquired by Bosch Rexroth, becoming a significant part of the Compact Hydraulics Business Unit. Bosch Rexroth and HydraForce combine their presence in complementary regions to provide comprehensive coverage in Europe and North America, while enabling growth in Asia.

To learn more, please visit www.hydraforce.com

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