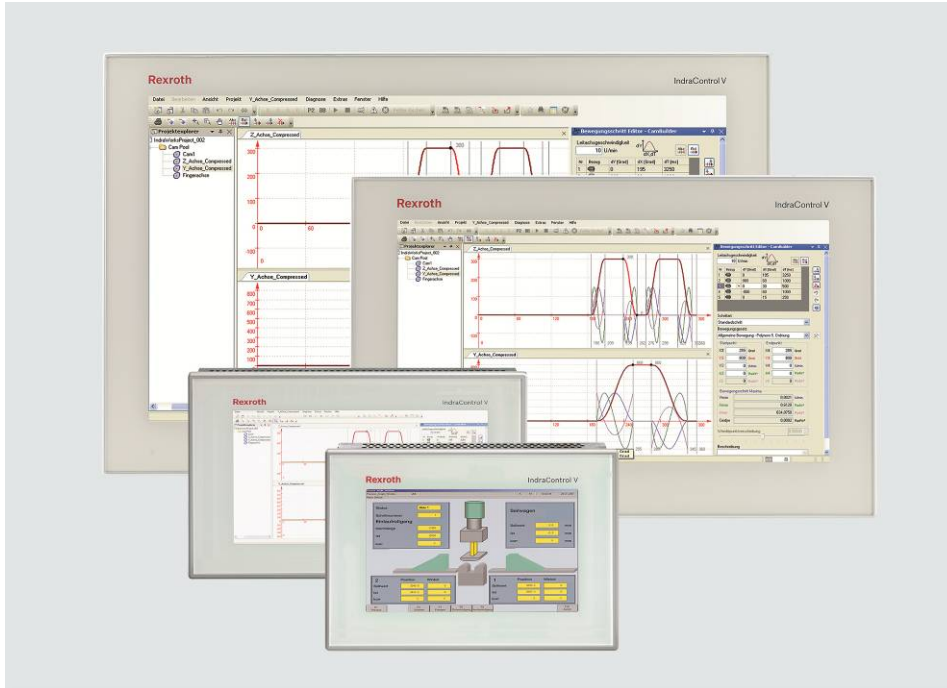


Press Release

New operating devices for modern machines

Rexroth IndraControl V – displays with robust glass surface for rough conditions

PI 024/14
2014-07-02



The new operating and visualizing devices offer with its robust, anti-reflecting glass surfaces more room for more information with improved readability.

Bosch Rexroth transfers the current status of the semi-conductor and display technologies to a completely new portfolio of operating and visualizing devices. The human-machine-interfaces offer more room for more information with improved readability. The displays with robust, anti-reflecting glass surfaces are arranged on the rough surrounding conditions of production and retain their excellent optical properties even after several years of operation. The simple and fast project planning occurs in all variations with a uniform software tool.

Machine users are used to the brilliant displays and simple operation of their end devices from their private life. More and more, they are also placing these demands on the operating and visualizing devices of machines. Previously normal displays with analog-resistive touch and respective plastic surfaces wear off in rough industrial application, get scratched and become hard to read. This makes operation more difficult and lets machines appear to be old before they really are.

With the new generation of operating and visualizing devices, Bosch Rexroth ensures modern high optical quality for many years. An aluminum front

Contact for Journalists:
Bosch Rexroth AG
Susanne Herzlieb
97816 Lohr am Main
Tel.: +49 9352 18-1573
Fax: +49 711 811 3621-384
susanne.herzlieb@boschrexroth.de

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encloses scratch-proof, thermally hardened glass displays. The HMIs fulfill protection category IP65. They are designed with a high shock and vibration resistance for use under rough production conditions. The anti-reflecting, projective-capacitive touch displays support single as well as multi-touch operation. With this, machine manufacturers can also apply the gesture control known from smart devices to their operation concepts.

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The software tool WinStudio ensures the efficient engineering of the user interface. Software modules that have been written once can be used again for all operating and visualizing operations, not depending on their size and the operating systems. The selection comprises 7" compact operating terminals with their own controller and large displays up to 21" diagonals in different housing variations: Operating displays for control panels, panel PC as HMI unit or system platform for the control panel installation as well as complete, fully enclosed operating terminals for the direct mounting arm installation in protection category IP65.

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Economical, precise, safe, and energy efficient: drive and control technology from Bosch Rexroth moves machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, Factory Automation, and Renewable Energies to develop innovative components as well as tailored system solutions and services. Bosch Rexroth offers its customers hydraulics, electric drives and controls, gear technology, and linear motion and assembly technology all from one source. With locations in over 80 countries, roughly 36,700 associates generated sales revenue of approximately 5.7 billion euros in 2013.

To learn more, please visit www.boschrexroth.com

The Bosch Group is a leading global supplier of technology and services. In 2013, its roughly 281,000 associates generated sales of 46.1 billion euros. (NB: Due to a change in accounting policies, the 2013 figures can only be compared to a limited extent with the 2012 figures). Its operations are divided into four business sectors: Automotive Technology, Industrial Technology, Consumer Goods, and Energy and Building Technology. The Bosch Group comprises Robert Bosch GmbH and its more than 360 subsidiaries and regional companies in some 50 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. In 2013, the Bosch Group invested some 4.5 billion euros in research and development and applied for some 5,000 patents. This is an average of 20 patents per day. The Bosch Group's products and services are designed to fascinate, and to improve the quality of life by providing solutions which are both innovative and beneficial. In this way, the company offers technology worldwide that is "Invented for life."

Additional information is available online at www.bosch.com, www.bosch-press.com and <http://twitter.com/BoschPresse>

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