

CASE STUDY

GENERIC CABLING SYSTEM SOLUTION FOR GROB IN CHINA

Grob Machine Tools (Dalian) Co., Ltd. selected a sustainable Datwyler generic cabling system solution which is characterized by the highest quality, performance, durability and transmission reliability.

Grob Group, incorporated in 1926, is an internationally operating family company with its headquarters in Mindelheim, Germany. Grob Machine Tools, located in Dalian in the northeast of China, is the group's fourth largest production facility in the world after its headquarters in Germany, the São Paulo (Brazil) and the Bluffton (USA) sites.

The company's Dalian facility is located in the city's central industrial zone, Jinzhou New Area, and covers an area of 60,000 square meters, including an office tower and a production workshop of 12,000 square meters. In addition, there is another construction project on its way which is scheduled for completion by the end of 2014 and will double the production area.

Grob is mainly engaged in the design and manufacture of high-speed, high-precision 5-axis universal machining centres and high-quality, innovative machine tools for the entire machine manufacturing industry. Operating in China since 2003, Grob, with its two subsidiaries and the production site in Dalian, supplies some 50 per cent of the Chinese automotive industry, which means that it is emerging as a prestigious supplier of machine tools in the People's Republic.

Some car manufacturers like BMW and VW are customers of both Grob and Datwyler. Datwyler's future-oriented enterprise philosophy coincides with Grob's commitment to ensuring value creation and sustainability for customers and their employees.

Swiss Quality solution

The first phase of the cabling project at Grob's Dalian facility covers 1,500 Cat.7 data outlets including those in the workshop, offices, and data centre. In consideration of the high-performance communications network requirements for machine tool manufacturing and the office, a "Swiss Quality" gen-



eric cabling system solution from Datwyler was selected to guarantee excellent transmission safety, reliability and abundant redundancy. Installation ran until September 2011 and included over 80 kilometres of high-performance Cat.7 data cables. Good cable shielding protects the cabling system effectively against various types of interference, ensuring safe, fault-free data transmission.

Additional service support

Datwyler not only provides high-quality products and system solutions for customers, but also furnishes improved engineering and technical service support. To ensure the high-standard construction requirements of this project, Datwyler's technical engineers conducted technical training courses on the second phase for system integration suppliers in March 2013, thus enhancing the professional level of the installation. The Datwyler team also paid great attention to the progress of the installation itself.

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