

Erwin Junker Maschinenfabrik GmbH, Nordrach

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Jürgen Bischler
EDP Manager

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Innovative technology and an outstanding standard of quality

One of the names behind the success story of the German mechanical and plant engineering industry is Erwin Junker Maschinenfabrik GmbH, Nordrach. «Tradition and state-of-the-art technologies form the basis for our success», says Jürgen Bischler, EDP manager at the Nordrach plant. As an international, globally oriented corporate group with more than 1,200 employees, the Junker corporate group is today one of the top addresses in the special mechanical engineering sector for the automotive industry.

Bischler: «We develop, produce and market high-performance production cylindrical grinding machines for the automotive industry, production tool grinding machines and multi-functional cylindrical surface and internal cylindrical grinding machines.» The name Junker stands for innovative technology and an outstanding standard of quality in the industry. Production is done in the Nordrach headquarters and in several plants around the Czech metropolis of Prague. «Of course, all sites work in close cooperation with one another and this includes with regard to the EDP organization», says EDP manager Jürgen Bischler.

Shop floor data collection with tisoware.BDE

The management at Junker recognized at an early stage the great potential offered by modern shop floor data collection in particular. «Originally, we had already had a proprietary software development and terminals of Kaba Benzing in use in the ERP-PPS sector since 1998», recalls Bischler. However, with the successive expansion of the company to include several sites at home and abroad, Junker then switched over to the ERP-/PPS system Ifax. «Due to the complexity of the material, it was simply time for us to abandon our proprietary development in the ERP-/PPS sector», says Bischler. In the course of the introduction of Ifax, the shop floor data collection which had been further developed at Junker was also of course to be optimized. «The software module tisoware.BDE from the Reutlingen-based software company tisoware Gesellschaft für Zeitwirtschaft was suitable here for us. For tisoware can easily be integrated via an interface into the ERP-/PPS system Ifax», explains Bischler, who was responsible for the introduction of the first tisoware.WINDOWS versions to be used at Junker.

Success Story

«For us, it is of course of pivotal importance that all tisoware products since 2000 have been delivered in the Czech language for all our sites around Prague.»

Visualization of the production progress

Every production process can be visualized via tisoware BDE in the ongoing production process. For as soon as a production order is generated in Ifax, it can be monitored in tisoware and booked. All accompanying documents have barcodes and accompany the machine parts. When an employee processes an order in the production department and makes a booking, it goes to the ERP/PPS system directly via tisoware. Bischler: «This means that an employee can check immediately whether the order has been created and whether a booking is permissible at all.» The company thus achieves a high degree of transparency in production.

At any point in time, it is possible to trace which production part is in which production status at which location in the production. In short: It can always be checked how far an order has been processed. «This is an important instrument for checking whether we are able to meet the required deadlines», says Bischler who also points out the importance of the shop floor data collection for capacity planning and post-order calculation: «The profitability of the order can be determined at the press of a button.»

Electronic recording of working time and access control

In addition to tisoware.BDE, the electronic working hours recording system tisoware.ZEIT is also being used at Junker. The employees at Junker record their working hours with code cards at recording terminals from Kaba Benzing.

«Some employees also have LEGIC chips for the electronic recording of working time», says Bischler. The settlement is then done quickly and smoothly via an interface to our wage and salary settlement system LX90 from hds. As Junker has had very good experience in its plants with the software solutions from tisoware, the access control has also been introduced in some areas with the software module tisoware.ZUTRITT. «Here in Nordrach and at the sites in the Czech Republic we are very satisfied with the collaboration with tisoware. I look forward to good, innovative collaboration and professional support from the tisoware team in the future too», says EDP manager Bischler from Junker Nordrach, summing up.