

BÖLLHOFF

Joining together!

Success Story

Sector

Machine building

Problem

- To optimise logistics processes
- To reduce the number of suppliers

Solution

Changeover to the Böllhoff ECOSIT® RFID Bin supply system

Customer benefits

- Fast and simple order initiation
- Short response times
- Better security of supply
- Greater flexibility and reduction in delivery frequency
- Use of innovative RFID technology
- Simple installation and start-up of system
- Cleanliness and order

Optimising the logistics and procurement process with modern RFID technology

Compressors and compressed air system manufacturer Boge introduced Böllhoff's ECOSIT® MultiBin supply system in 2004. To further reduce its procurement costs Boge has now switched to the innovative RFID version.

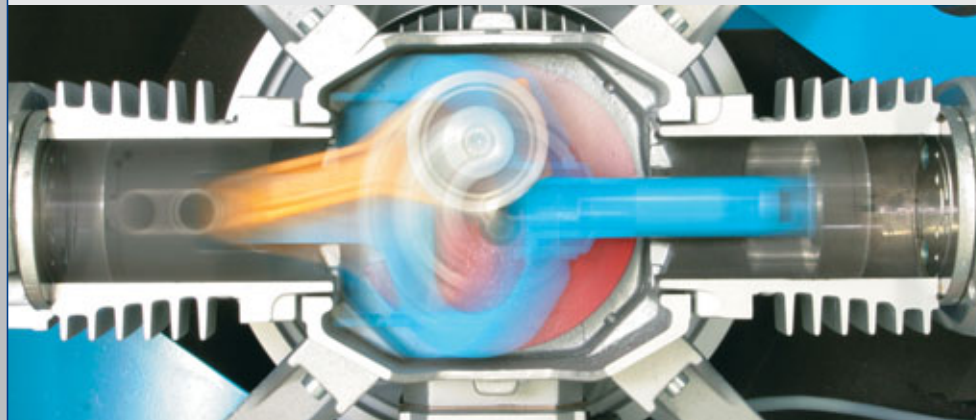
About our customer BOGE KOMPRESSOREN Otto Boge GmbH & Co. KG

Screw and piston compressors, complete systems or individual units – BOGE from Bielefeld caters for a wide range of requirements while satisfying stringent standards. With experience that dates back more than 100 years, BOGE is not only one of Germany's oldest manufacturers of compressors but also a market leader. Some 600 highly qualified employees share responsibility with Management for product development according to the latest scientific findings. Minimum manufacturing tolerances and first-class materials result in optimum economic efficiency and reliability. For ever-increasing success.

The problem

Thanks to systematic branding, intelligent engineering and a focused internationalisation strategy, BOGE enjoys growth that is well above average in the mechanical engineering sector on a yearly basis.

In addition to its standard products BOGE has made a deliberate choice to also offer customised solutions. This simultaneously makes greater requirements on procurement and internal logistics. Böllhoff's 2-bin supply system which had been in use for over eight years, had proved itself a reliable solution. Manual intervention was rarely needed. It was only necessary when there was exceptional peak demand in procurement. A project was carried out to identify additional fasteners and other C-parts which were also to be incorporated in the new supply system.



“RFID technology from Böllhoff is simply more high-tech than scanning the barcodes of empty bins.”

Markus Hahn, Purchasing
Otto Boge GmbH & Co. KG



Picture 1
ECOSIT® RFID technology



Picture 2
Markus Hahn, Purchasing



Picture 3
RFID Bin shelf at BOGE

Böllhoff's solution

Following presentation of RFID technology and the registration of BOGE's requirements the MultiBin system at the Bielefeld production site was replaced with the RFID Bin system. From the start of the project to its realisation, it only took four weeks.

Replacement of the bins including new RFID labels, installation of the RFID antenna (Picture 1) and commissioning itself was carried out by Böllhoff in close cooperation with BOGE. The entire process was completed in a single day. The existing shelf systems were left in place.

All relevant data are now stored on the RFID tags of the container labels to ensure prompt delivery. Once a bin is empty, it is placed in a collection box next to it on the shelf. The data is automatically read from the RFID tags and transmitted to Böllhoff's ERP system. This process only takes a few seconds and does not involve manual intervention.

This makes supply significantly faster and more flexible. Even empty bins that were only read on the day before supply can be delivered the next day.

The ECOSIT® RFID Bin system, which already offered excellent parts availability according to BOGE, has thus been improved even further. In the event of unforeseeable exceptional demand the risk of fasteners being unavailable is now all but ruled out. It has also been possible to cut process costs on a lasting basis thanks to the reduction in suppliers and the inclusion of new articles.

About Böllhoff

Böllhoff is an international enterprise with its own manufacturing and development facilities, a leading supplier of fastening and assembly technology. Our product range includes more than 100,000 items, ranging from standard screw fasteners right through to fully automated assembly machines. The company has eight facilities in Germany, wholly-owned subsidiaries in 21 countries and agencies worldwide in all major markets.

About ECOSIT®

Böllhoff has established a supply and stocking system that goes by the name of ECOSIT® (**E**conomic **S**upply **I**n **T**ime). Böllhoff takes charge of the entire supply chain for its customers: material planning, procurement, quality assurance, storage and the internal supply of goods right through to the production and maintenance area. ECOSIT® permanently makes processes more simple and reliable – by reducing the number of suppliers and ensuring 100 % supply capability.

Böllhoff Group

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