

Press release

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Brückner builds bridge between mechanical and electrical systems

New engineering system links and optimizes design processes

With the Brückner Group company Brückner Maschinenbau GmbH & Co. KG, the Hanover-based Aucotec AG has succeeded in convincing the global market leader in film stretching technology to opt for its software system Engineering Base (EB). The decisive factor in this case was the film experts' desire to optimize their various design processes across disciplines. "Merely replacing the electrical CAD was too short-sighted as far as we were concerned," explained Werner Bamberger, Head of Electrical Engineering and Automation at Brückner's southern Bavarian site in Siegsdorf.

Universal efficiency

"It is this approach that can raise optimization in engineering to a considerably higher level, where improvements in individual disciplines, which are of course always possible, lead to really significant universal increases in efficiency," said Uwe Vogt, Executive Officer for Engineering at Aucotec AG. "We are delighted that we were able to impress a modern company like Brückner with the expertise of our solution in this area."

However, the mechanical engineering professionals are also impressed by Aucotec itself. "The mindset there, the networking philosophy and also the company's size are a perfect match for us, this is more than a business relationship," said Bamberger.

Standardization

In recent years, Brückner has strongly driven the standardization of machines. "In light of the above, we wanted to optimize the interface between electrical and mechanical systems," said the head. It was intended that the new CAE system would not only provide the relevant capabilities, but also support the function-oriented mechatronic approach from the outset. Another prerequisite was the easy and clear implementation of the internationally binding standard IEC 81346.

Networking disciplines, also easily integrating external data, unique, i.e. central data input, clear and consistent device designations in various documents such as machine overviews, P&IDs, circuit diagrams or plant documentation and - essentially - comprehensive versioning and release management: all of these were as decisive in choosing the new engineering system as the simple and consistent link to SAP.

All prerequisites

SAP integration has already taken place and Brückner has just gone live with EB in its mechanical design process. "The EB platform satisfies all prerequisites for making our processes more productive, and for improving our quality at the same time," said Werner Bamberger and added: "We have a lot planned for EB. It's good to know that future requirements will also be in good hands with this system."

Links to the images:

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[Overview of film stretching line](#) (© Brückner Group)



[Werner Bamberger, Head of Electrical Engineering and Automation](#) at Brückner (© Brückner Group)



"Optimized interface between electrical and mechanical systems" [Film stretching line in detail](#), © Brückner Group)



[Uwe Vogt, Executive Officer for Engineering at Aucotec AG](#) (© AUCOTEC AG)



"The EB platform satisfies all prerequisites for making our processes more productive." [Film stretching line](#), © Brückner Group)

Brückner Maschinenbau GmbH & Co. KG is part of the Brückner Group and is the global market leader in film stretching technology. The lines of the company, which was founded in 1960 and has more than 600 highly qualified employees, produce a variety of film types that are used in technical application areas (e.g. capacitor and high-tech screen films) and as high-quality packaging material. The Brückner Group has a global presence via its sales and service network, local representatives, sales partners and coordinators as well as a network of platform companies.

Aucotec AG has over 30 years of experience in developing engineering software for the entire life cycle of machines, plants and mobile systems. The solutions range from flow diagrams via control and electrical engineering for large-scale plants to modular harness design in the automotive industry. Aucotec software is in use all over the world. In addition to its headquarters in Hanover, Aucotec operates six further sites in Germany as well as subsidiaries in China, South Korea, France, the United Kingdom, Italy, Austria, Poland, Sweden and the US. A global network of partners ensures local support throughout the world.

If printed, we would appreciate receiving a copy. Thank you very much!

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