

# Flexibility as an approach and design principle: Bending machine manufacturer Jorns



THK linear guides move the heavyweight bending beams and the scissor system of the machines.

## Jorns AG, Lotzwil

Jorns AG is one of a small group of machine manufacturers worldwide for sheet metal processing. The family-run business develops and produces high-performance, high-precision bending and double bending machines, which has an excellent reputation among sheet metal companies across the globe. The expertise and passion of their designers and technicians, who are keen to accommodate individual customer requests, go into every machine made by Jorns.

Jorns is considered a master of flexibility among manufacturers of roof and façade profiles and lives up to this reputation time and time again through technical competence, a love for innovation and proximity to the market.

Just a handful of companies around the world have mastery over sheet metal bending technology. Bending machine manufacturer Jorns AG positions itself as a leader in terms of quality and has gained a unique standing in the market thanks to its flexible machine concept.

Roof and wall profiles made from sheet metal are immensely popular among architects, civil engineers and builders. The profiles are sustainable, durable and provide a functional aesthetic with an understated design that gives halls, factories, commercial buildings and residential buildings a distinct look. At one leading German vehicle manufacturer, the façades of the sales and service locations—which are structured with sheet metal profiles—are an important means of expressing the company's identity. Like millions of other profile elements used in construction across the globe, these were bent on a bending machine from Jorns AG

— a second-generation family-run business from Switzerland.

### With passion and a love for innovation to global excellence

In 1973, Company Founder Kurt Jorns presented the first manual bending machine of the Jorns brand. Since then, the company has continued to surprise the market with innovative ideas and is today the world leader in sheet metal bending technology. At Jorns, there is the choice between the semi-automatic JB bending machine and the high-speed, fully automatic JDB double bending machine, which enables several parallel, tapered or overlapped



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profiles to be bent simultaneously. Both machine types process sheet steel in lengths from 3.2 to 12.2 metres and sheet thicknesses from 1.25 to 3 millimetres. The machines are controlled by JC100 software, which has been specially developed by Jorns. Interfaces enable connection to third-party systems, which further support the production and management of the bent parts.

### Focus on the customer and their specific requirements

"What our machines are capable of is one thing", explains Head of Production Peter Roth, "but what makes them unique is the spirit built into them". The Jorns team not only considers technical factors — they also put strong focus on the needs and wants of customers. "Power of Flexibility" — these are no mere empty words from the machine manufacturer, but a binding guiding principle for the company. This shapes the way that the company handles customer requests as well as the modular concept of the machine: Each machine can be configured according to individual specifications. A wide range of options allow each bending system to become a tailor-made solution.

*"I keep telling people: Technically skilled supply partners such as Bachofen help us to succeed. We engage in dialogue and gain product knowledge that we can use to make our machines even better and more efficient".*

Peter Roth, Head of Production

### THK quality and collaborative partnership with Bachofen as key factors for success

Jorns bending machines perform heavy-duty work at the highest level of precision and under extremely high force. Each component of the machine must contribute to this goal. This applies in particular to the linear guides on which the heavy bending beam and the shearing system of the machines move. Products from technology partner Bachofen and global market leader THK fully satisfy the strict requirements of the designers at Jorns. Peter Roth: "With THK, we are in safe hands. In addition, Bachofen is a partner there to support us with technical expertise and competent advice in the development of our machines. As a result, they make a substantial contribution to our market success".

The long-standing relationship between Jorns and Bachofen is based on open communication, transparency and, last but not least, the

- Established**  
1973
- Number of employees**  
Approx. 75, including 10 apprentices
- Headquarters**  
Lotzwil, Switzerland
- Presence**  
Over 30 sales and service agencies worldwide
- CEO**  
Marc Jorns
- Motto**  
"Power of Flexibility"
- Bachofen customer**  
Since 1990 (with interruption)
- Website**  
www.jorns.swiss

shared belief that flexibility is the only way to overcome current and future challenges in the market. This belief is what unites the two companies. ■