

Straight components for curved projects

Krehle uses Schröder folding machine



Customer

Krehle GmbH was founded in 1983 as a roofing and plumbing company in Landsberg am Lech and initially focused primarily on the renovation of historic buildings. Over the years, the company has consistently specialized in curved metal profiles, for example for round dormers, facade and roof details. To this end, Krehle has developed a wide range of its own machines, tools and manufacturing processes with which curved and curved metal profiles are manufactured to the highest quality and precision. (www.krehle.de)

Success

At a trade exhibition, Michele Dal Ponte, a technician at Krehle, became aware of the Schröder Group—in particular, a folding machine with a rotating clamping beam: „We looked at various manufacturers, arranged on-site appointments, and compared the machines with identical folding tests. One factor was decisive for us in choosing Schröder: repeat accuracy. This is extremely important to us, as we rely on reproducible dimensions. This allows components to be assembled without additional adjustments.“

Installed machine

PowerBend Professional

- Folding machine up to 2.5 mm sheet thickness
- 4,040 mm working length
- Graphic control POS 3000 3D
- Folding beam adjustment 150 mm
- Clamping beam stroke 450 mm
- Up-and-Down folding beam
- Rotating clamping beam for 2 tool stations incl. hydraulic tool clamping
- Suction plates in gauge table
- Remote maintenance

When Krehle employees were introduced to the PowerBend Professional at Hans Schröder Maschinenbau in Wessobrunn-Forst, some things took some getting used to, such as the pneumatic clamping of the folding beam tools. In practice, however, this concept proved its worth, as did the other technical details. Krehle had its own requirements for the back gauge fingers, for which Schröder implemented a suitable special solution.

Opportunities recognized and exploited

Krehle uses the PowerBend Professional model, which can fold up to 2.5 mm thick steel sheets with a working length of 4000 mm. In addition, materials such as aluminum, copper, and zinc in thicknesses from 0.5 to 3 mm are processed. The machine produces all straight connecting parts, butt connectors, brackets, and special components to complement the curved profiles. But that's not all: increasingly, complete assemblies consisting of curved and straight components are being delivered together. „Originally, many customers had the attitude that Krehle manufactures the curved profiles, and they produce the straight components themselves,” explains Managing Director Eva Krehle. “However, since we can produce very quickly and with high precision on the Schröder machine, customers are happy to take advantage of our offer to also purchase the straight components

from us. Thanks to the high efficiency, this can be implemented in an economically attractive way.”

Customers receive complete, ready-to-install deliveries directly to the construction site and benefit from shorter installation times, less effort, and reduced costs.

Advantages of powerful control

Today, Krehle supplies not only curved and straight wall copings, facade profiles, and window flashings, but also increasingly complex special solutions. “We first had to

familiarize ourselves thoroughly with the extensive control system of the PowerBend Professional,” reports Krehle specialist Michael Muth. “But it's worth the effort. It's fun to program components that you wouldn't have thought possible before.”

The segmented clamping beam tools are particularly helpful here, for example when setting up different stations. Thanks to the rotating clamping beam, complex profiles can be produced without constantly having to retool the machine. Another process improvement is that data from round profile production can be easily transferred and matching connecting parts can be created directly in the software of the folding machine. The programs remain stored. There is no need for time-consuming searches for drawings.

“The accuracy of the PowerBend Professional is an important prerequisite for ensuring that we can consistently meet our high quality standards for straight components today,” says Managing Director Eva Krehle. “Dimensional accuracy is crucial, especially in combination with our round profiles. Schröder is at the cutting edge with its technology. The investment has clearly paid off for us.”

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Eva Krehle
CEO
Krehle GmbH



Schröder Group

The Schröder Group consists of Hans Schröder Maschinenbau GmbH, which is located in Wessobrunn, Germany, SCHRÖDER-FASTI Technologie GmbH, located in Wermelskirchen, Germany and the SMU GmbH, located in Leinburg-Weißenbrunn.

Founded in 1949, Hans Schröder Maschinenbau GmbH unifies traditional and modern approaches in machine building: Successfully managed as a quality and customer-oriented, family-owned company, Hans Schröder Maschinenbau is specialized in the development of modern machine concepts for bending and cutting sheet metal.

The successful integration of the Fasti Company in 2006 and its worldwide presence make the Schröder Group one of today's leading providers of machines for bending, cutting, beading, flanging, and circular bending all types of sheet metal. The company's precision machines range from proven solutions for craftsmen to innovative, high-performance machines for automatic industrial production processes. 2021 the Schröder Group was expanded by the tool manufacturer SMU GmbH. Overall, the Schröder Group currently employs more than 300 people at various locations at home and abroad.

SCHRÖDER
GROUP

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