

CORTEN-specialist bends on Schröder folder

Thumm Technologie GmbH relies on Schröder folding machine



Customer

Thumm Technologie GmbH is a company headquartered in Nürtingen with round about 100 employees. The company is contract manufacturer for sheet metal working and laser welding. The company founder Dr. Ing. Claus Thumm had his biggest success with patina: Under the brand name gartenmetal® and in an 500 page catalogue the company presents an extensive portfolio of garden objects and street furniture out of sheet metal, primarily corten steel. The new machine from Schröder has been very well accepted from the sheet metal workers: a CNC- folding machine from Hans Schröder Maschinenbau. (www.thumm-tec.de)

Success

For folding tasks the company used to work with classic press brakes for many years. At an exhibition the engineer Claus Thumm got the chance to learn more about modern folding machines – and he was quite interested immediately. In the headoffice in Nürtingen a regional sales partner of Schröder then explained the machine to him in detail. The presentation convinced him to visit the Schröder factory in Wessobrunn-Forst. On-site Claus Thumm decided to buy a PowerBend Professional UD with a working length of 3200 mm for up to 3 mm thick steel sheet.

Applied machine

PowerBend Professional UD

- Folding machine up to 3 mm thick sheets (400 N/mm²)
- 3240 mm working length
- Up-and-Down-folding beam
- Clamping beam stroke 350 mm
- Motorized central crowning
- 2 pneumatically lowerable angle gauges mounted aisle side
- Radius function
- Suction plates in gauge table
- POS 2000 Professional software control on swivelling arm

The folding machine including an software control developed inhouse allows semi-automated sheet metal working. For Thumm, the new bending process demanded some minor changes in the construction. The gartenmetall®-team was happy to accept the adjustments to the new machine as well as the new mode of operation – the advantages of a swivel folding machine versus a press brake was abundantly clear. Whereas previously always two machine operators were necessary to handle and fold big sheets, all products up to huge screening walls can now be processed by only one operator.

Once the sheet has been lifted on the table of the sheet metal working machine with a pneumatic lifting device, they can be moved very smoothly and ergonomic on the integrated ball rollers. „You do not only produce more – it is also much more healthy for the employees“, says Claus Thumm. What everyone gets excited about, are the precision and the repeat accuracy that you can achieve with the Schröder folding machine.



Schröder Group

The Schröder Group consists of Hans Schröder Maschinenbau GmbH, located in Wessobrunn, Germany, and SCHRÖDER-FASTI Technologie GmbH, located in Wermelskirchen, Germany.

Founded in 1949, Hans Schröder Maschinenbau GmbH combines traditional and modern aspects in mechanical engineering. Successfully managed as a quality and customer-oriented family company, Hans Schröder Maschinenbau specialises in the development of modern machine concepts for folding and cutting sheet metal.

Thanks to the 2006 integration of the Fasti Company and its workshops and a global presence, the Schröder Group is now a leading provider of machines for folding, cutting, crimping, beading, and circular bending sheets of all kinds. The diversity of the range of precision machines ranges from proven solutions for trade to innovative, high-performance machines for automated industrial production. The Schröder Group now employs more than 270 workers at various domestic and international locations.

„What everyone finds impressing is the high precision and the repeat accuracy of this Schröder machine. Meanwhile we process all kinds of big and heavy sheets with the PowerBend Professional. Machine and support from the Hans Schröder Maschinenbau really convinced us.“

Dr. Ing. Claus Thumm
company owner

Radius bending as new technique

Apart from the increase in efficiency in sheet metal working, the higher repeat accuracy and the improved ergonomics Thumm Technologie GmbH also profits from an unexpected gain thanks to its investment in the PowerBend Professional: The procedure of radius bending proved to be very useful and is an often integrated manufacturing option. Thereby the sheet is pressed with the upper beam against the lower beam and the folding beam which is set at an angle – a slight radius is created. This is now repeated as often as desired in many fine steps. The result is a perfectly bend sheet with a precise radius. „We love this procededure and that everything happens automatically thanks to the movable

back gauge with suction cups“, confesses Claus Thumm. „We process all kinds of big and heavy sheets with the PowerBend Professional. Machine and support from Hans Schröder Maschinenbau really convinced us.“

Personal relationship convinces

The agile entrepreneur Thumm, who has close ties to his home region, had actually already decided in favour of a provider from the region when he came across the machines of Hans Schröder Maschinenbau GmbH during the evaluation of comparative offers. Having worked in mechanical engineering for a long time, Claus Thumm liked very much what he saw there in terms of technologies and processes in manufacturing.

The personal conversation with owner Franz Schröder confirmed his impression of a competent and at the same time familiar atmosphere. „I also chat with almost every visitor personally. Companies should simply do this“, says the engineer and states: „I liked the fact that Mr. Schröder has a similar understanding of service orientation as I do. The machine that was offered to me to suit our requirements immediately impressed me technically. The service package including remote support could convince me completely.“

SCHRÖDER
GROUP

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