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XXL-Center and Bendex open up new business segments



On their homepage, Schuetze GmbH reports that they have invested in a slitting line and a state-of-the-art XXL-Center long double folding machine. This allows them to produce and deliver profiles for roofs and walls quicker and more economically. The secret of success is, however, the organization in the background using the Bendex.professional software. Only the combination of machine and software led to this achieved efficiency.

Schuetze GmbH is a job shop producing roof and façade components. The product range includes C and Z profiles as structural building components, purlines, as well as thin light channels and steel frames for skylights.

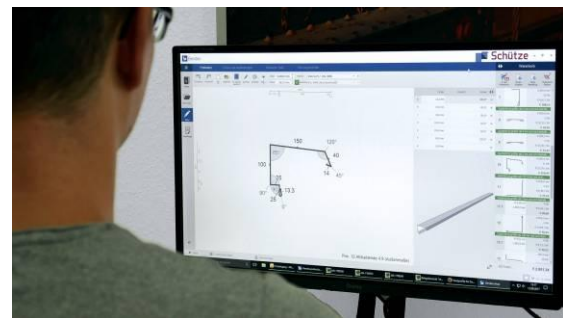


The company from Bad Salzuflen established this product range many years ago. In the middle of 2016, the management decided to open up another business. Since then, tailor-made

roof and wall profiles complement Schuetze GmbH's product range.

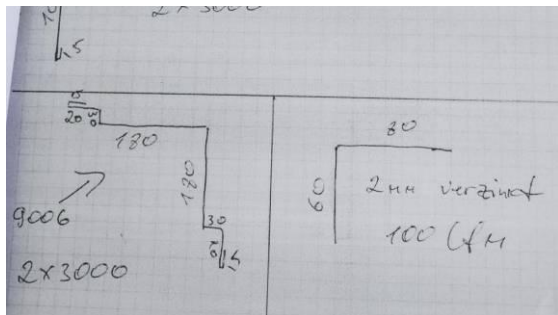
This new business was the company's first step into a whole new market segment, which was meant to be done with the existing personnel and resources. The challenge of finding customers was not very high in the currently booming construction industry. The requirements for material diversity, part lengths, different material

thicknesses, and color coatings were known to Schuetze. Since many processes had already been developed over the company's history, the management was able to focus on the most modern solutions currently available in the market. Besides high-tech machines, the most important building block was the Bendex.professional software.



Bendex.professional is an ERP software with which profiles, boxes, and cassettes can be drawn in a few simple mouse clicks. Then, in the production module, cutting optimization can be carried out; the sequence of orders can be planned and sent to the connected machines. The drawn component is shown in 2D or 3D. Holes and notches can be added, and conical parts can be easily and vividly configured. Once the material type, color, and coating side are selected, the sales department completes the request with quantity and delivery data. Thus, the profile order is completely configured and can be placed in a shopping cart with other bending parts along with standard articles such as fastening material. The calculation

formulas immediately come up with the price of the goods. Vice President Detlev Moosdorf explains: "Most likely we are more accurate in our calculation than many competitors. In our pricing calculation, we consider the width, material thickness, material type, the number of bends, and additional processes such as punching and job quantity as price parameters." Since the calculation is fully automated, there is no extra effort for Schuetze GmbH to calculate a profile using so many parameters.

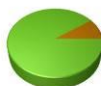


In the beginning, it was a little surprising for Schuetze GmbH how often customers were modifying the orders. "When a roofer changes the length five times and the width of a profile another six times, this results in a call to us every time. Without powerful software, we would be helplessly overwhelmed", explains Detlev Moosdorf. Each change entails not only a changed material requirement but also a modified cutting optimization. "If we had to do this manually, our scrap rate would be double," says Detlev Moosdorf..

Aluminium - 0.80mm



Verschnitt:		10 %
Fläche:	9,21 m ²	0,9 m ²
Gewicht:	19,899 kg	1,941 kg
Gesamtgröße:	6.500 mm x 1.250 mm	



Tafeln

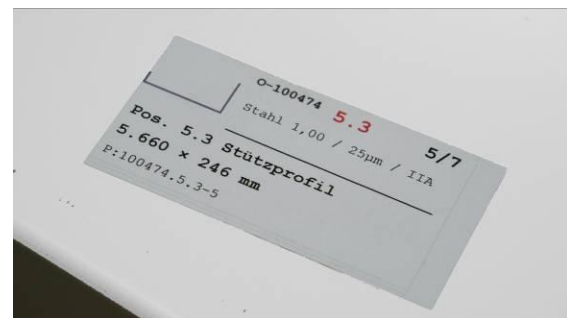
1. 3.000 mm x 1.250 mm
2. 2.000 mm x 1.250 mm
3. 1.500 mm x 1.250 mm

Currently, Schuetze only uses the Bendex.professional software in-house. The customers are currently not connected directly to the system. Therefore Schuetze's sales department receives the job and profile sketches through a typical email or fax. Sales manager Marco Berninger adds the requested profiles into Bendex. As the software automatically

programs the profile for the RAS XXL-Center, Marco Berninger can view a 3D simulation of the bending sequence. This allows him to decide immediately if complex profiles can be bent or need to be modified. "An evaluation of 150 profile geometries a day is quite normal," emphasizes Berninger.

Pos.	Stück	Länge	Material	Beschreibung / Zeichnung
9	32	5000	Stahl 0,75 Zusatz: Feinblech 105 / 3K RAL 9006	Abdeckung / unter Rinne [Zeichnung]
10	3	5000	Stahl 0,15 Zusatz: Feinblech 95 / 4K RAL 9002	Abdeckung innen / Übergang PUR-MiWo [Zeichnung]
11	3	5000	Stahl 0,75 Zusatz: Feinblech 95 / 4K	Abdeckung außen / Übergang PUR-MiWo [Zeichnung]

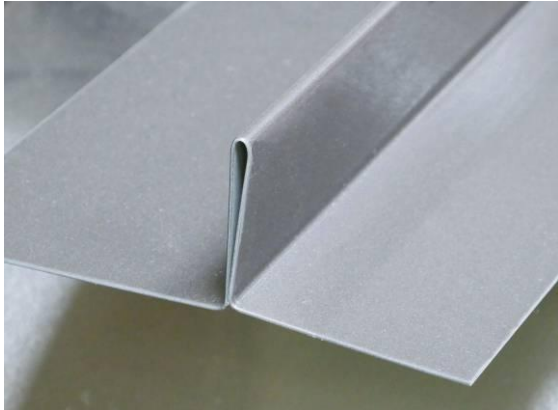
The software calculates the material requirement for every part. The automatically created cut plans are sent to the slitting line on paper. After cutting the coiled material to the correct length and width, the employees place a label onto each blank in order to unambiguously identify them for further work processes as well as for assembly on the construction site.



The bending programs are transmitted directly and digitally via the network to the RAS XXL-Center. Up to 6400mm long profiles can be bent up and down along the working length.

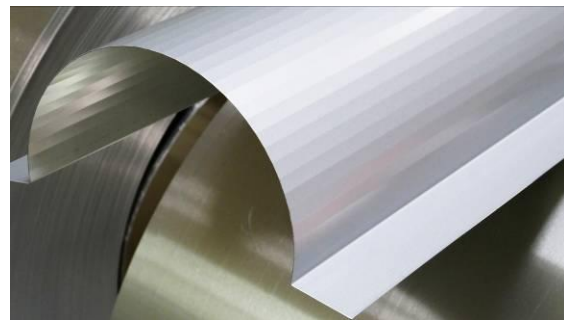


However, it is also possible to load two blanks next to one another, bending two profiles at a time, doubling the throughput of the machine. If there are leftover blanks from a previous job, the slitter on the XXL-Center can cut the blanks to the correct width and the long bending center can bend the profile in the same sequence.



Efficient production of roof and wall profiles was the starting point for a new business sector. With 50 employees, only seven of them in the office, the Schuetze GmbH has very lean processes in sales and production planning.

Speed in order processing is the top priority for Schuetze GmbH and its customers. Detlev Moosdorf is proud of an almost one hundred percent on-time delivery rate. "The entire new business is handled by a single additional employee in the office," says Detlev Moosdorf, adding: "Without the Bendex software, the slitting line and the RAS XXL-Center, we could not have achieved this efficiency".



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