

Field report



TEXLON International specializes in fabric structures and architecture based on ETFE foil (a Teflon derivative) and other synthetic membrane materials used for roof structures, coverings, building shells, and more. The company relies on a Zünd cutter for processing these materials.



S. Ming, A. Imfeld

The company is active throughout Europe.

TEXLON

is a premier manufacturer of foil, hangar, and membrane structures. The durability, elegance, and light weight of this type of construction makes it equally attractive to architects and engineers.

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prestigious showcase project in Sölden involved the construction of building shells for the lower, middle, and upper stations of the new Gaislachkogelbahn gondola. All foil panels for this project were cut on the Zünd PN cutter, a total of approximately 10,000 m of ETFE foil cut with utmost precision.

Maximizing material usage

As a derivative of Teflon, ETFE foil is expensive (approx. 20-25 EUR/m). This makes the need for precise and reliable cutting, with minimal waste, all the more important

Benefits and Savings

With the elimination of outsourcing, significant savings can be realized in planning and logistics, not to mention vastly improved quality control. The cutter also provides tremendous flexibility in accommodating change orders. Repairs on individual foil elements can be carried out immediately. New products or samples can be generated in a very short time. It is now also much easier for the company to maintain high standards for quality and cleanliness, since in-house production takes place in an environment that approximates a cleanroom.

Adrian Imfeld, Director of Marketing:

"Thanks to the quick and timely delivery of the cutter, the prompt installation and thorough onsite training provided by Zünd, and then, of course, the reliable, user-friendly, and trouble-free operation of the machine, we were able to complete the project within the specified time and quality parameters. It is only by putting in place an automated production line for ETFE foil and being able to complete such a high-visibility project in Sölden, that we were able to successfully and decisively enter into this market."

Simon Ming, Director of Technology:

"Because we worked so closely with Zünd and were able to get such great assistance, our production capacity went from 0 to 100% in no time. It was truly a pinpoint landing! Besides the capabilities and attractive price-performance ratio of the cutter, what truly convinced us was the expert advice, the in-depth demonstration, and successful test-cutting performed with our own materials at Zünd in Altstätten."

www.texlon.ch

A Zünd cutter in action

The need to purchase a Zünd Cutter PN LR-1600 for cutting and marking ETFE foil arose primarily because of a major construction project in Sölden, Austria. Prior to acquiring a Zünd, the company outsourced most of its cutting. Welding is done in-house on equipment specifically designed for seaming ETFE panels. Today The Zünd cutter converts ETFE endlessly from rolls into panels up to 35 meters long, which are then welded and assembled into entire roof structures. Besides cutting operations, the Zünd also handles the task of drawing reference lines and text which are removed later on, after welding and assembly. The



Factbox	
Equipment	Zünd PN LR-1600
Objective	Completion of major project Timely launch of automated production
Benefits	Highly accurate cutting of Teflon foil Minimal waste Increase in quality and consistency Timely order fulfillment

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