



Q-Line digital cutter

Overview

The Zünd Q-Line represents a new generation of industrial, high-performance cutting systems. Its unique performance characteristics are based on a completely new machine concept and seamless integration with industrial applications.

Developed for demanding tasks and materials: Top-notch cutting for board and roll materials

The Zünd Q-Line represents a new generation of industrial, high-performance cutting systems. It offers outstanding cut quality, high process reliability, future-proof data integration, and seamless integration into industrial, highly automated production processes.

- ✓ Automatic tool changes for uninterrupted production
- ✓ Future-proof, industrial data integration
- ✓ Linear drive: maintenance-free, fast, powerful, and extremely precise
- ✓ Industrial cutting and creasing power
- ✓ With one or two beams made of CFRP



[Watch video](#)

Digital cutting of packaging and board materials in multi-shift operation

Paired with the Board Handling System – BHS180, the Q-Line enables flexible, cost-effective, and highly automated processing of large volumes of corrugated cardboard, carton and honeycomb materials, foam, and more. Whether you produce many small batches or generally work with larger ones, the highly automated Q-Line offers benefits that will lower cost per unit in both use cases.

The revolutionary cut quality delivers results similar to die-cutting but without the need for dies. In comparison to other cutters, this gives you greater flexibility, faster processing of cut parts, and the opportunity to offer your customers significantly lower prices and higher-quality end products.

The Q-Line's shorter cycle times deliver maximum throughput and profitability. The UNDERCAM, which can be integrated into the loading table, enables the capture and job recognition of printed substrates from below. This ensures process reliability and stability.

Revolutionary cutting technology combined with robotics

With its advanced, innovative cutting technology, Q-Line can easily cut very challenging materials, such as composites, with ultimate precision and process reliability. Thanks to its seamless integration into industrial production environments (M2M interface), the Q-Line, in conjunction with industrial robots, opens up new opportunities in the aerospace industry, automotive sector, wind-turbine production, and other high-performance applications.

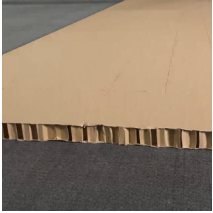
The Q-Line offers consistently high quality at an industrial level, with revolutionary speed and highly automated production workflows. True to Zünd modularity, the Q-Line can be extended as an "Aero Q-Line" from 5.5 m/18 ft to 21.4 m /70 ft in length, which enables producing cut parts up to 21 m/70 ft long.

Whether for highly automated/robotic setups or automating volume-driven packaging/display production, the Zünd Q-Line integrates seamlessly into industrial production environments.

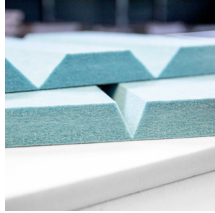
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Overview

Made in Switzerland: designed for peak performance and challenging materials



Protective packaging/cardboard



Acoustic panels



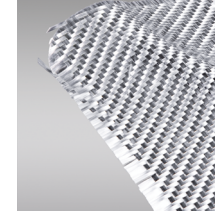
Reboard/honeycomb
cardboard



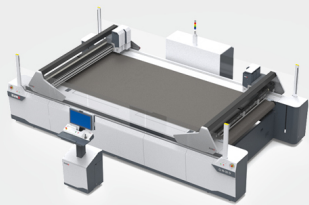
Corrugated cardboard



Foam

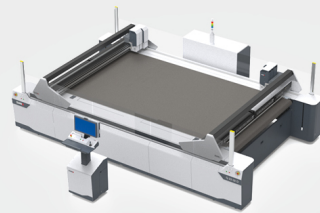


Composites – carbon fiber



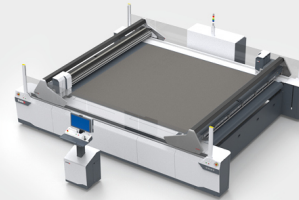
Q 18-32
1800 x 3200 mm

Single beam
Dual beam



Q 22-32
2270 x 3200 mm

Single beam
Dual beam



Q 32-32
3210 x 3200 mm

Single beam
Dual beam

Thanks to its modular design, the Q-Line can be extended
from **5.5 m** up to a length of **21.4 m / 18 ft to 70 ft**.

ZÜND
swiss cutting systems

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