

**BTU
TECH**



CROSS CUTTER

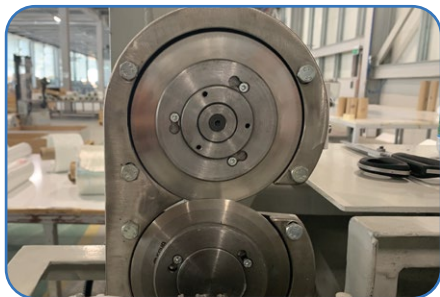
DESCRIPTION & FEATURES

BTU-TECH "**Cross Cutters**" offers following features;

In fabric production, cross cutters that transversally cuts the fabric after each finished roll on the line, are critical. High speed cutters with diamond blades are not suitable for this operation because they either bring out fibers inside the fabric or they create too much dust. Thus, low speed dust-free shear cutters are preferred.

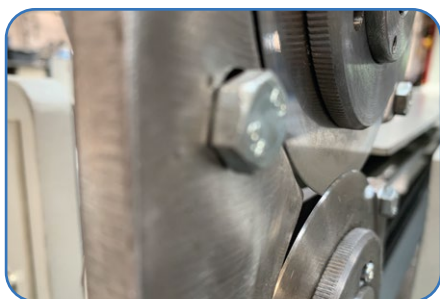
Adjusting the overlap and pressure between lower and upper blades is a key technical challenge for cross cutters.

BTU-TECH "**Cross Cutter**" design simplifies adjustments and a single drive controls the travel and cutting speed.



Speed Control: The single motor design controls not only the linear traveling speed but also the rotational blade speed.

Pressure Knob: A rotational knob adjusts the pressure in between the upper and lower blades.



Overlapping Control: Blades overlapping distance can be set mechanically.

Roll Tray: The system is delivered with a table or a tray that can be mounted to customers' equipment.



CROSS CUTTER SPECIFICATIONS

Cutting Linear Speed	10m/min
Cutting Rotational Speed	75rpm
Power	20kW
Supply	50-60Hz, 380-480V, 3 Phase
Electric Panel Protection Level	IP54
Motor Protection	IP54
Safety	Laser pointer ESTOP
Total Weight	250 kg
Dimensions (WxHxL)	3000mm x 2500mm x 5000mm
Certifications	CE



MACHINE UPGRADE OPTIONS

- IP65 Motors (Carbon-Proof)
- HMI

ABOUT BTU

BTU-TECH was founded in 2020 as a start-up company for engineering, design and manufacturing of machines and technologies for variety of industries, such as textile and composites.

As the main shareholder and CEO of the company, Burçin Pak received investment for the company. In addition to his 20+ years in microelectronics, communication and machinery which includes many patents and awards for the developed technologies, together with its investors, the company has a total of 60 years of experience, covering industries such as heavy duty machinery & transport equipments, robotics, microelectronics, IOT, industrial textiles.

The company has a talented core team for analysis, engineering, design, quick prototyping and serial production. The inhouse capabilities and skills are 3D modelling, FEA, programming and industrial automation.

Based in Istanbul, Turkey, BTU-TECH is aiming to serve customers globally both by direct contact and via technical partners.

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www.btu-tech.com

BTU Makine ve Teknoloji Sanayi Ticaret A.S.

Kaya Sultan Sk. H. Bagdatlioglu Is Mrkz. No:81 A

34742 Kozyatagi, Kadikoy / Istanbul / TURKIYE

P: +90 216 410 40 10

E: info@btu-tech.com



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