

**BTU
TECH**



ONLINE SLITTING SYSTEMS

DESCRIPTION & FEATURES

Online slitting systems give the opportunity of manufacturing different widths of fabric on the line of the textile process. This saves a great amount of time and cost.

BTU-TECH offers all components of an "**online slitting system**", either as individual components or as a complete system including upper and lower blades, blade shafts, blade rail, drive, frame and platform to be designed and produced according to customers' specific needs.

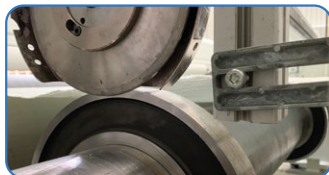
BTU-TECH "**Online Slitting Systems**" offer following components;



Speed Controlled Shaft: A steel shaft with manual/automatic speed control synchronised with start/stop/speed reference signals from the textile machine.



Edge Tracking: Laser edge detecting sensor with a linear actuator makes sure the fabric edge is perfectly aligned.



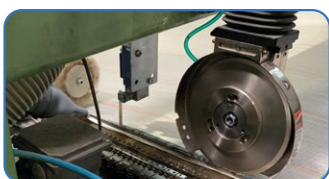
Blade Rings: Lower blades mounted on steel shaft can easily be shifted on the shaft.



Upper Blades: Pneumatic upper blades. The upper blade frame assembly with slide rail can be shifted up/down or forward/reverse for best overlap distance and position between upper and lower blades.



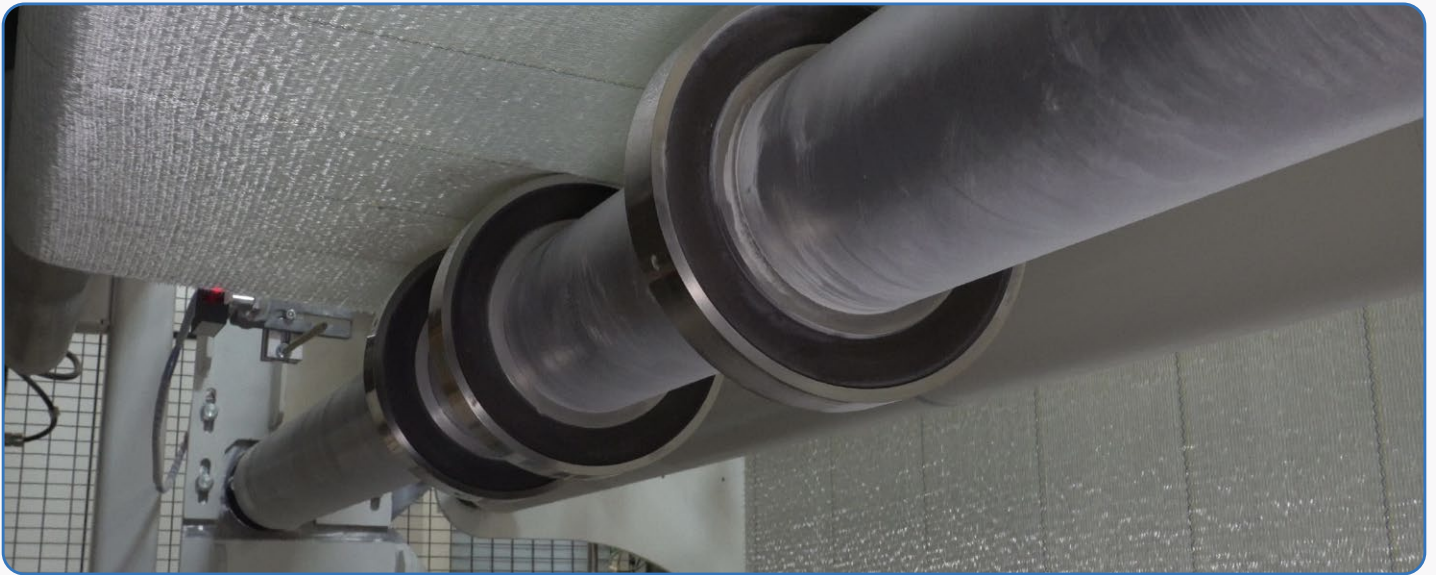
Operator Platform: For easy maintenance and blades' position adjustment, a metal platform is optionally supplied.



Fabric Switches: For each blade a mechanical limit switch, which detects unslitted fabric, is supplied.

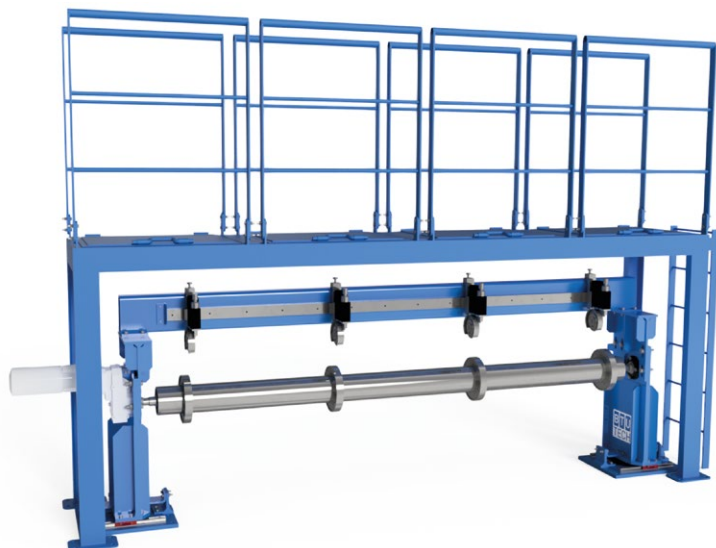
ONLINE SLITTING SYSTEMS SPECIFICATIONS

Cutting Linear Speed	10m/min
Shaft Speed Control	VFD speed controlled
Shaft Diameter	150mm
Blade Ring Diameter	160mm
Edge Tracking Limits	±50mm
Edge Tracking Resolution	±0.5mm
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)
- Edge Tracking
- Platform
- HMI



ABOUT BTU

BTU-TECH-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-TECH is aiming to serve customers globally both by direct contact and via technical partners.

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www.btu-tech.com

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