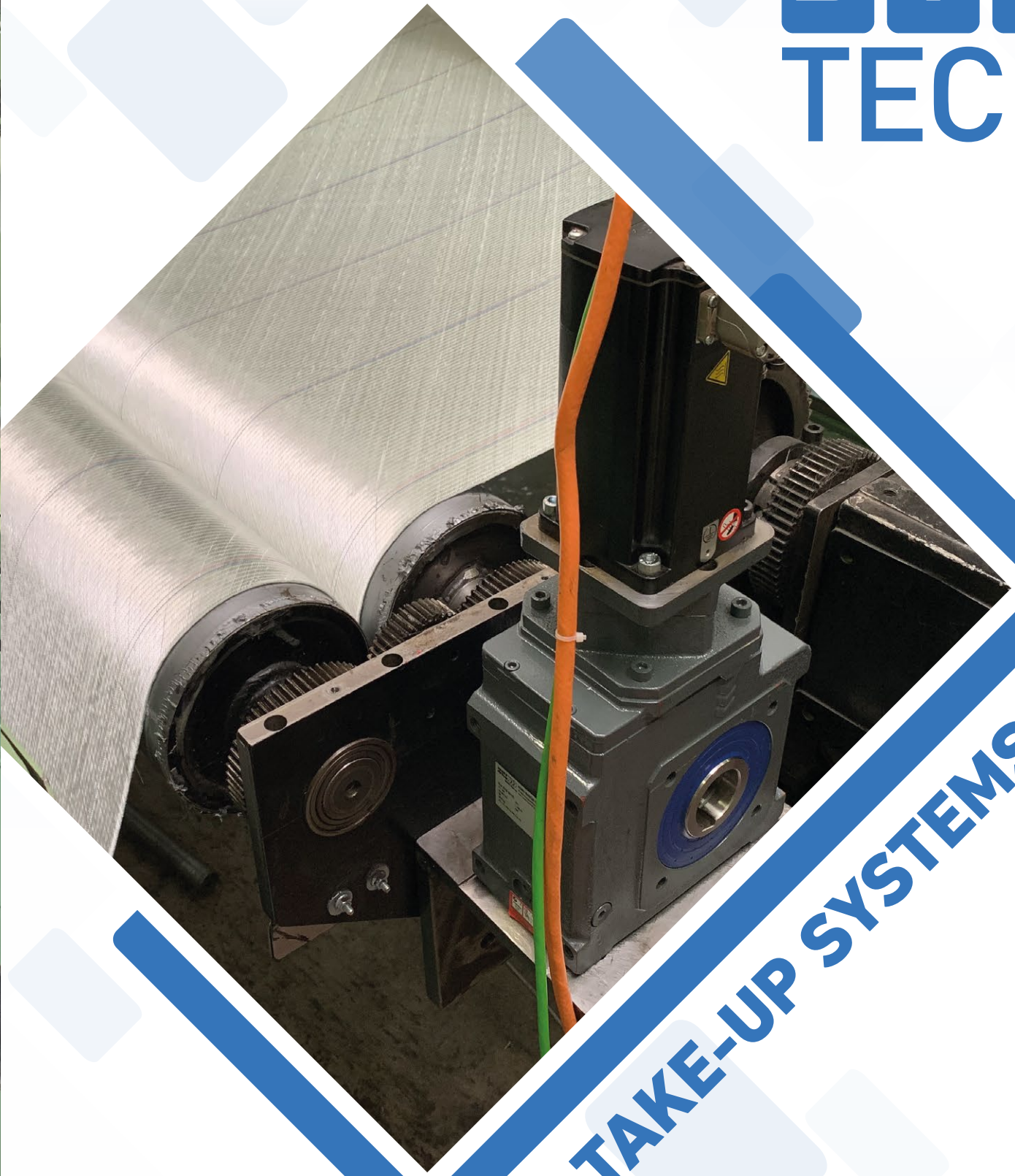


**BTU
TECH**



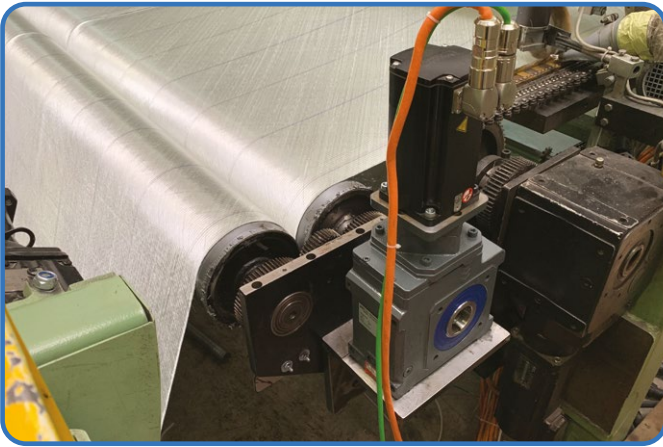
TAKE-UP SYSTEMS

DESCRIPTION & FEATURES

Multiaxial knitting machines require a take-up device before the winder. Take-up device pulls the fabric with constant tension which is critical for multiaxial knitting head stitching operation. This device needs to operate in synchronization with the multiaxial chain conveyor with extreme accuracy, especially during ramp up and ramp downs.

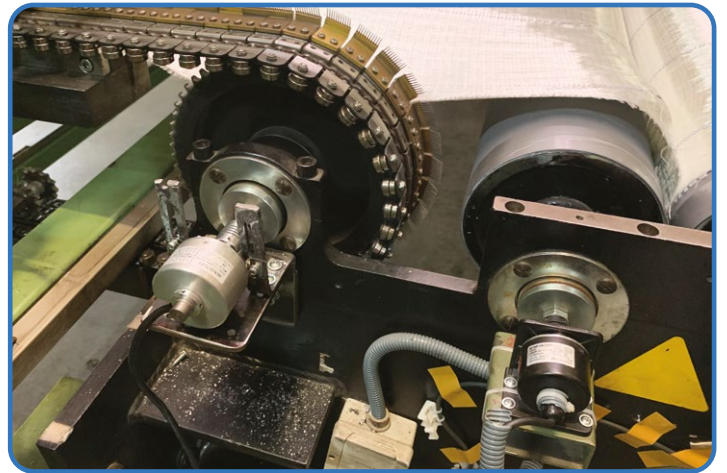
BTU-TECH offers a **"take-up system"** that does not require any speed reference from the multiaxial software and can set the tension with very finite increments.

BTU-TECH **"Take-Up System"** offers following features;



Speed Control: Using an encoder, the linear fabric speed is measured from the multiaxial conveyor and the take-up speed follows with extreme accuracy using servo pulse control.

Tension Control: With fine adjustment of encoder pulses, the fabric tension can be adjusted without using a loadcell or pneumatic dancer.



HMI: A touch panel is supplied with the take-up device to adjust all the settings.

TAKE-UP SYSTEMS SPECIFICATIONS

Speed	10m/min
Motorized and Free Rotating Rolls	All surface treated and balanced
Width	Up to 150"
Power	20kW
Supply	50-60Hz, 380-480V, 3 Phase
Electric Panel Protection Level	IP54
Motor Protection	IP54
HMI	Touch-panel with fabric database
Total Weight	1000 kg
Dimensions (WxHxL)	3000mm x 2500mm x 5000mm
Certifications	CE



MACHINE UPGRADE OPTIONS

- IP65 Motors
- IP65 Carbon Safe Electric Panel
- Laser Barriers



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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