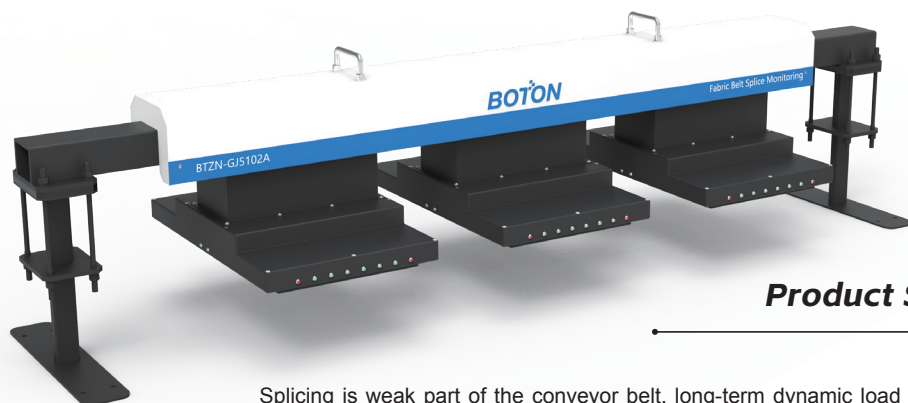


Application Scenarios:
Steel mills / Ports / Mines / Power Plant / Cement



Product Series: **BTZN-GJ5102**

Splicing is weak part of the conveyor belt, long-term dynamic load running will easily damage splicing, affect the safety of on-site production and operation. This system achieves non-contact, dynamic, real-time, and high-precision monitoring of belt splicing. It can monitor every splicing online while belt is running, timely identify whether there are risks, defects or damages at splicing, and predict health status of each splicing.

SPLICE PROTECT

Fabric Belt Splice Monitoring

Main Features

- Continuously non-contact high-precision measurement for the length of conveyor belt splicing.
- Monitor splicing's internal structural changes and display splicing's status in real-time.
- The system automatically records monitoring data and predicts the status of conveyor belt splicing through AI diagnostic algorithms.
- Automatic monitoring, identification, and alarm.

**BOTON**

High monitoring accuracy

Measurement error **$\pm 2\%$**

Unattended

Automatic monitoring, identification, and alarm

Convenient installation

Modular design, easy installation

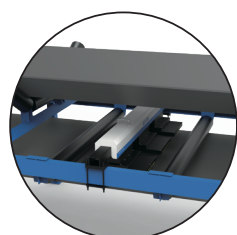
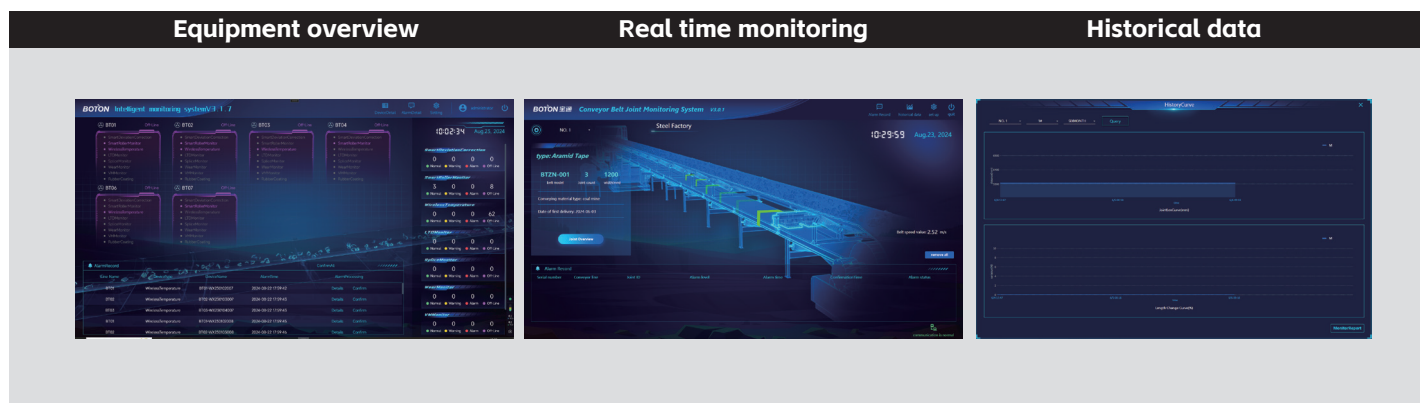
Intelligent reminder

Trend analysis and early warning

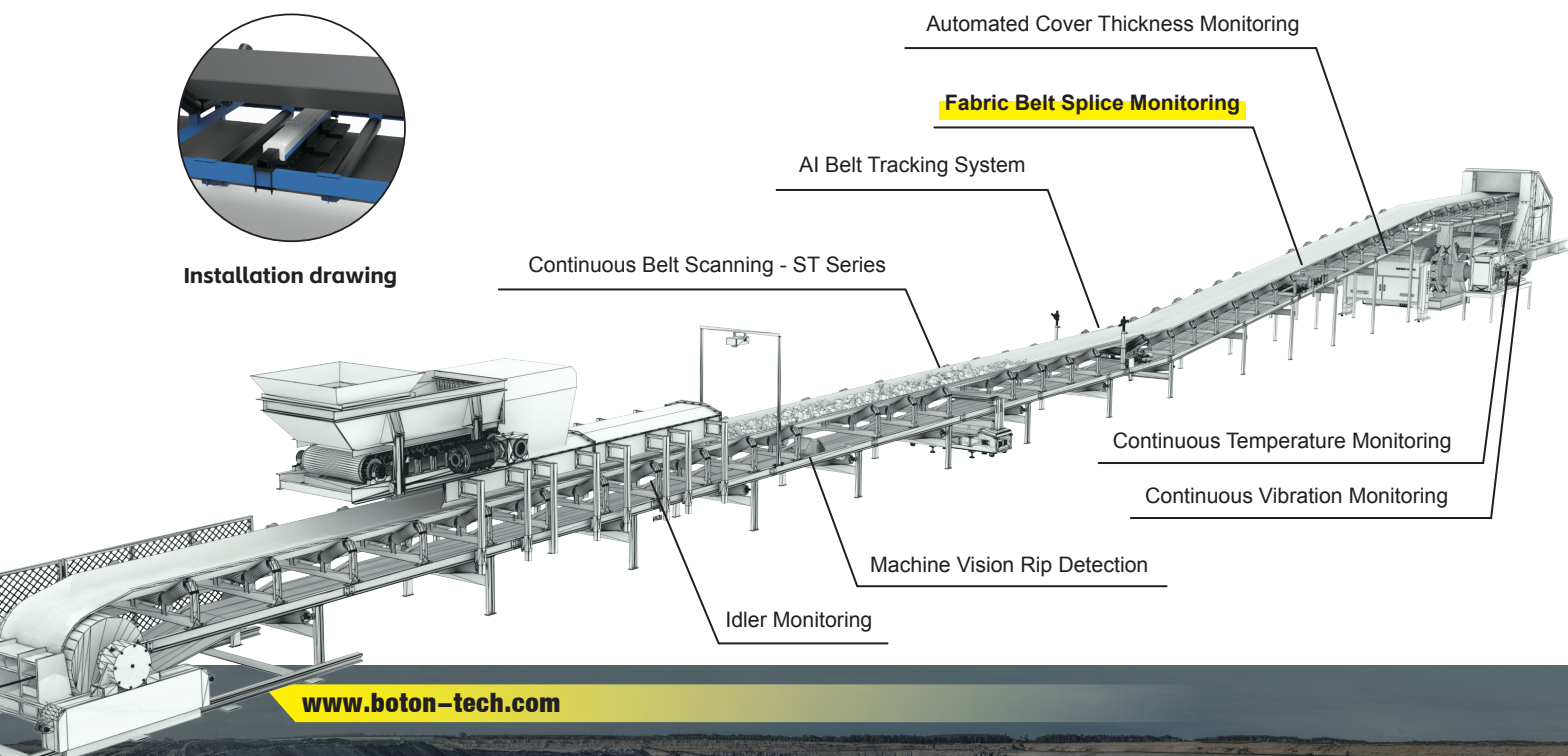
Main Technical Parameters

Category	Parameters	Category	Parameters
Applicable belt speed	0-10m/s	Working temperature	-30 - 60°C
Applicable belt width	650-3000mm	Storage temperature	-40 - 80°C
Atmospheric pressure	80-106Kpa	Relative humidity	≤ 95%RH (without condensation)
Working power supply	85-264VAC (customized)	Continuous working time	7×24h
System communication interface	RJ45 Ethernet		

Software Platform



Installation drawing



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Boton focuses on providing intelligent service solutions for industrial bulk material handling. Our main business includes intelligent turnkey service, overall solutions for intelligent conveying, aim for energy saving, environmental protection and green transformation etc. Boton takes the lead in launching a new model of "integrated general contracting services for conveying systems" in China which changed the situation of different value orientations in the traditional product sales model. This new model speeds up marketization of new technology & new products and has been recognized by many clients domestically and globally.