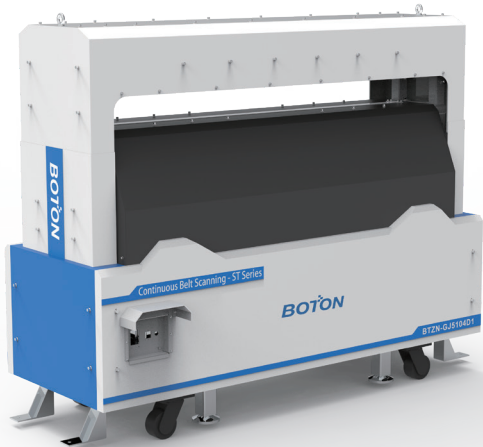


Application Scenarios:
Steel mills / Ports / Mines / Power Plant / Cement



Product Series: **BTZN-GJ5104A1**

Steel cord core conveyor belts are among the primary conveyance solutions for bulk material handling in modern industries. Owing to complex operating environments, they may suffer from accidents such as breakages, leading to substantial economic losses. Our system safely, reliably, and continuously monitors the structural integrity of steel cord conveyor belts online. In the event of cable breaks, splice displacements, corrosion, or other defects, it swiftly identifies these issues and triggers alarm notifications, pinpointing the exact location of the defects for prompt action.

AUTO SCAN

Continuous Belt Scanning - ST Series

Main Features

- Comprehensive monitoring of steel cord core conveyor belts, coupled with digital chip positioning devices, enables precise localization of defects within the conveyor belt.
- Real-time scanning, real-time imaging, and real-time intelligent identification of all defect hazards.
- Automatically categorizes detected defects, facilitating traceability of abnormal defects, query of defect alarms, and review of inspection videos.
- Relevant data can be integrated into the conveyor belt health diagnosis system, ensuring an all-round assessment of the conveyor belt's condition.

BOTON

Automatic identification

Comprehensive inspection, automatic identification of defects

High precision

Minimum identification defect **0.8 × 0.8**
(mm)

Safe and reliable

Ray leakage $\leq 5\mu\text{Sv/h}$

Health diagnosis


Automatically generate conveyor belt health diagnosis report

Main Technical Parameters

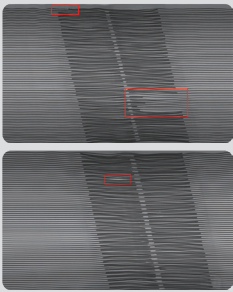
Category	Parameters	Category	Parameters
Applicable belt speed	0-10m/s	Applicable belt thickness	80mm
Applicable belt width	650-3000mm	Working temperature	-20 - 60℃
Detection accuracy	0.8 × 0.8 (mm)	Storage temperature	-40 - 80℃
Atmospheric pressure	80-106Kpa	Relative humidity	≤ 95%RH (without condensation)
Working power supply	85-264VAC (customized)		

Software Platform

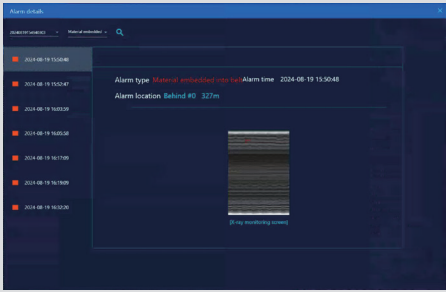
Normal operation

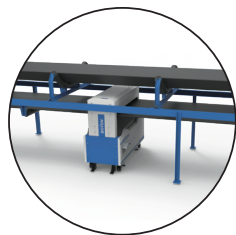


Defect anomaly

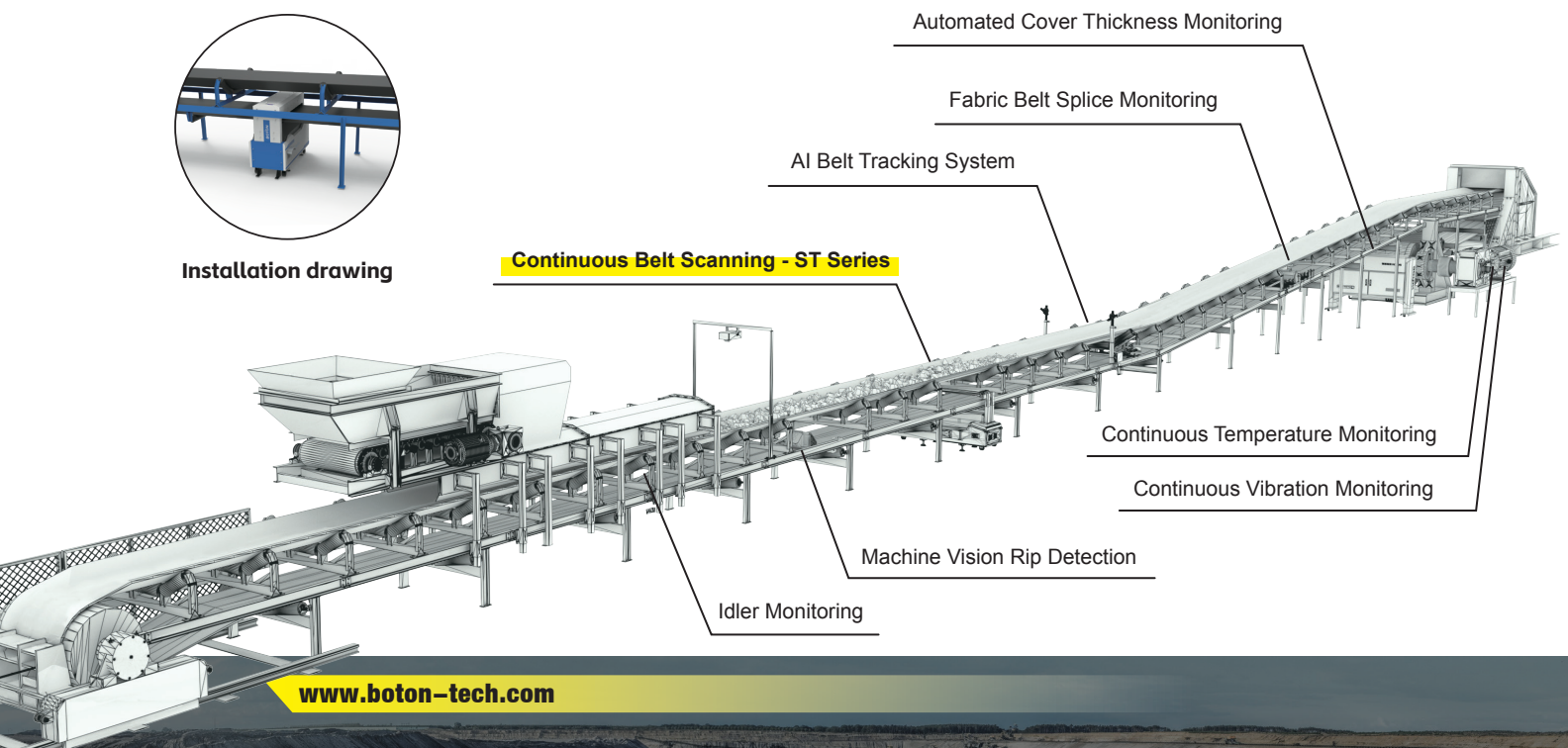


Alarm query





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.