



Product Series: **BTZN-GJ5106**

This system can monitor roller's surface and inter temperature, vibration, and rotational speed data online, accurately determine the health status of the roller based on real-time data collection, analysis, and combined with historical data. Once roller operates abnormally, the system can detect it and locate its position timely.

SMART ROLLER Idler Monitoring

Main Features

- Real time monitor roller's temperature, vibration, and speed status, can transmit data remotely and wireless.
- Use various parameters and algorithms to monitor roller operational data and diagnose roller status through data analysis.
- Generate roller health data curves and predict their remaining service life.
- Equipped with automatic monitoring, recognition, alarm functions.

Multidimensional monitoring

Real-time monitoring and accurate prediction

ID recognition

Roller ID recognition, precise positioning

Easy to use

The roller generates electricity without the need of batteries

Strong transmission signal

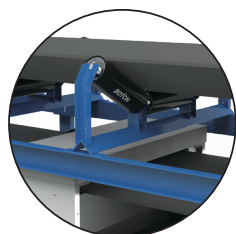
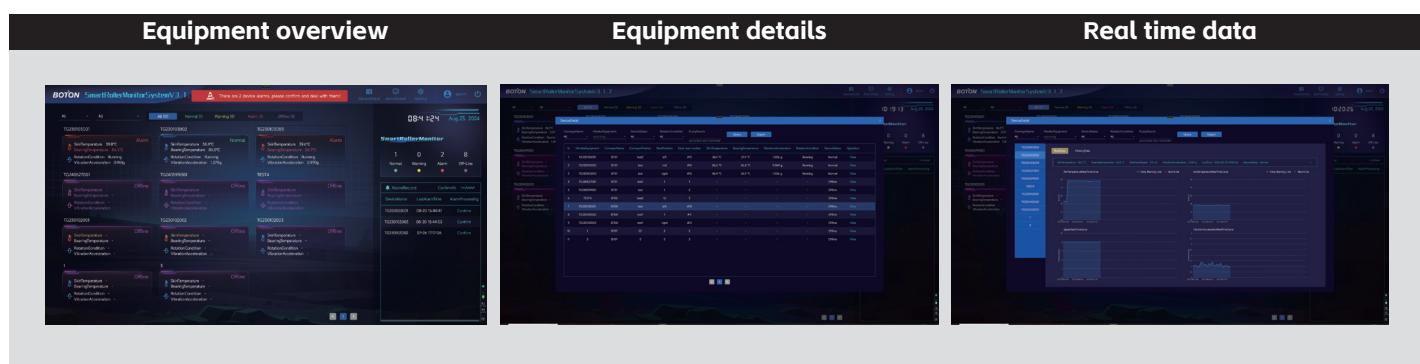
Effectively avoiding potential wireless signal interference



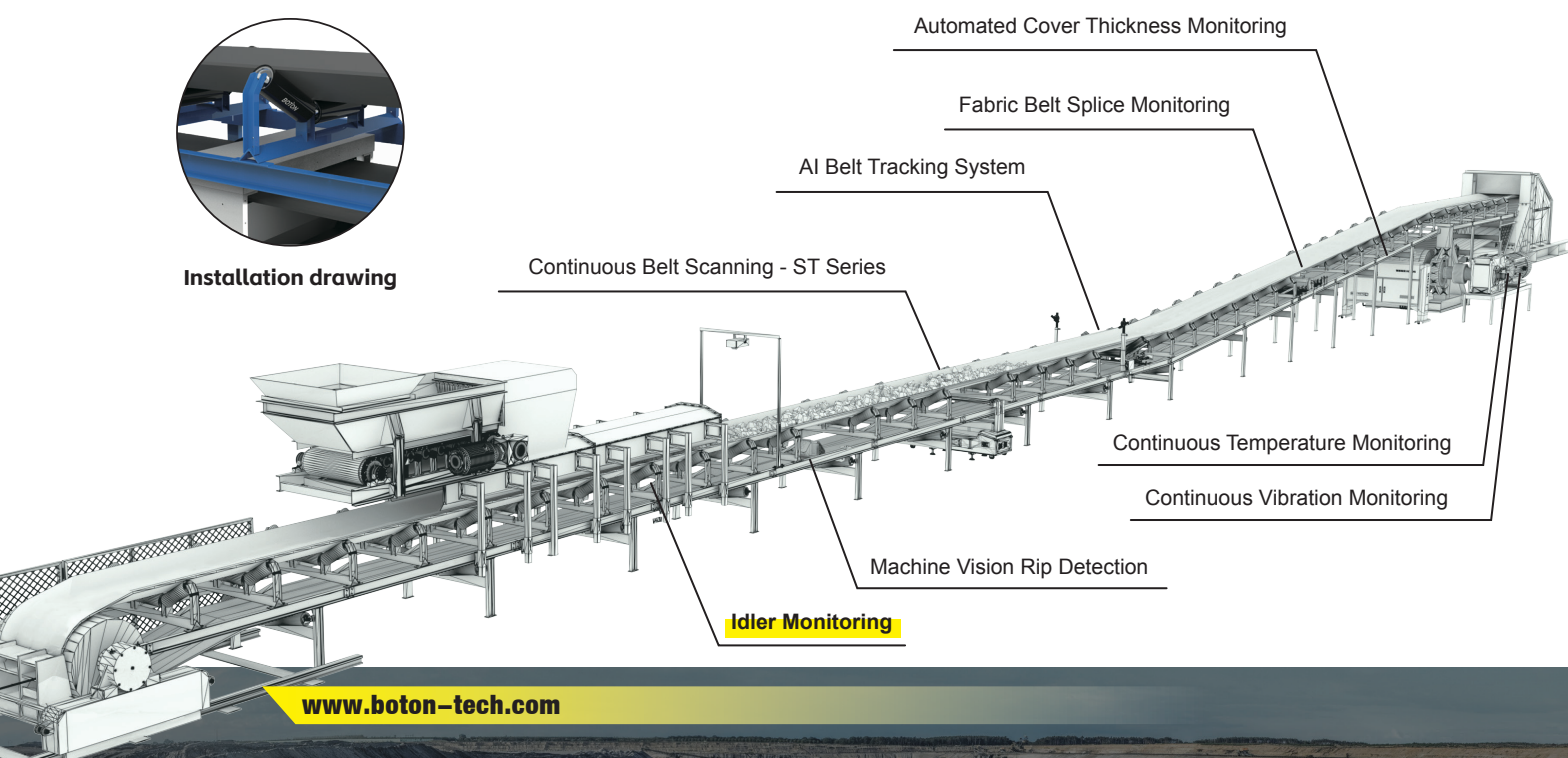
Main Technical Parameters

Category	Parameters	Category	Parameters
Applicable belt speed	0-10m/s	Temperature measure range	-40 - 125℃
Applicable belt width	650-3000mm	Temperature error	≤ 1℃
Atmospheric pressure	80-106Kpa	Working temperature	-40 - 60℃
Speed error	≤ 1%FS	Storage temperature	-40 - 80℃
Vibration error	≤ 1%FS	Relative humidity	≤ 95%RH (without condensation)
Wireless communication distance	sight distance ≤ 500m	Continuous working time	7×24h

Software Platform



Installation drawing



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