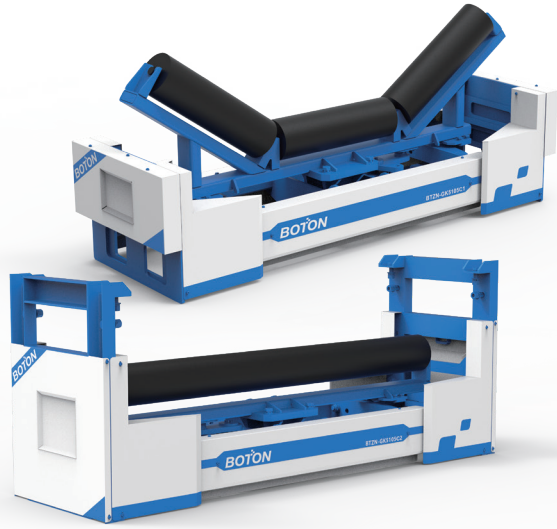


Application Scenarios:  
Steel mills / Ports / Mines / Power Plant / Cement



## Product Series: **BTZN-GK5105A**

Conveyor belt tracking product is used to solve the deviation problem of belt conveyor in the operation process. It realizes the automatic correction of the belt through different working principles and technical means to ensure the normal operation of the belt conveyor and the safe transportation of materials. Boton has developed two kinds of belt tracking products, namely AI Belt Tracking System and Belt Tracking System.

# AUTO TRACK AI Belt Tracking System

## Main Features

- Continuous monitoring of conveyor belt deviation.
- Two-way active correction.
- Deviation curve real-time display and save.
- Sound and light alarm and alarm information push.
- Emergency stop through interlock.

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## Main Technical Parameters

Category	Parameters
Applicable belt speed	0-10m/s
Applicable belt width	650-3000mm
Belt deviation measure accuracy	≤5mm
Continuous working time	7×24h

## Software Platform

### Equipment details

### AI belt tracking system

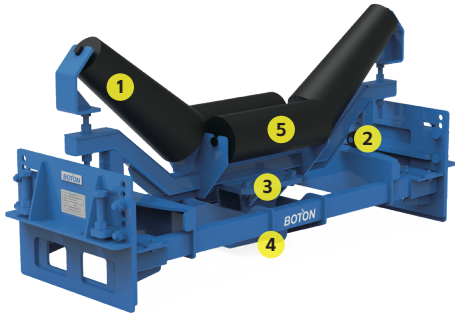
# BELT TRACK

## Belt Tracking System



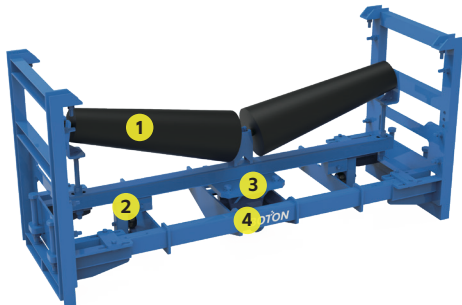
### Carry Belt Tracking System

Product Series: **BTZN-TT5105A**



### Return Belt Tracking System

Product Series: **BTZN-TV5105A**



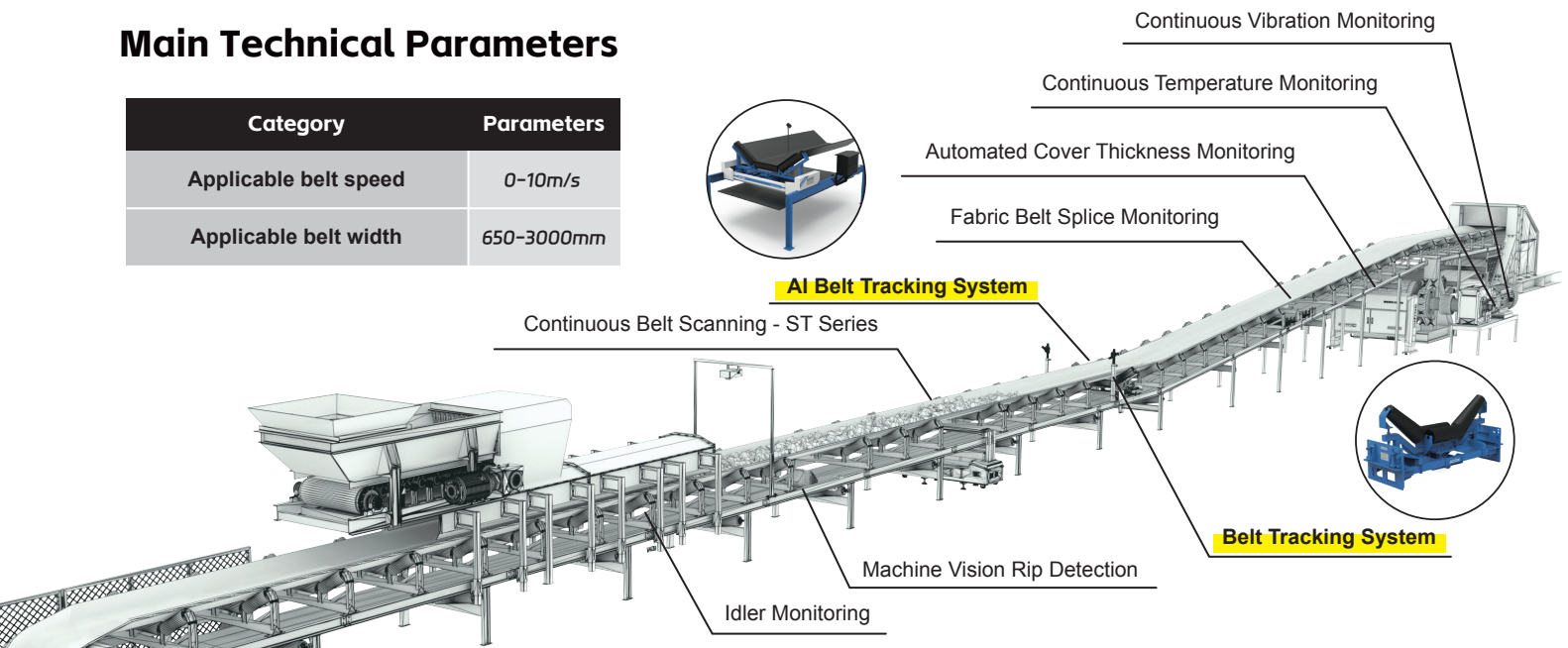
<p>1</p>	<p>The cone roller adopts different shaft diameter design at both ends, which can realize the function of rotation differential. By adjusting the contact area and contact pressure with the conveyor belt up and down through the support bracket, the conveyor belt can be effectively corrected.</p>
<p>2</p>	<p>The "two-wheel scheme" is adopted on both sides of the rotating part, which makes the corrective action after the deviation of the conveyor belt more powerful and more stable.</p>
<p>3</p>	<p>The SKF radial spherical plain bearing is used as the center support, which is durable and maintenance-free, especially suitable for occasions where supplementary lubrication is difficult.</p>
<p>4</p>	<p>The rotating part adopts the "horizontal axis", the force is more balanced, different from the vertical axis of the ordinary aligning roller, its service life is doubled, and maintenance free.</p>
<p>5</p>	<p>The straight roller adopts two sets of supporting grooves in the middle of the belt, and the conveyor belt has a gathering effect toward the center when passing through the straight roller.</p>

### Main Features

- Does not damage the belt edge.
- Two-way passive correction.
- Rubber cone roller for greater friction.
- Special construction for longer life.

### Main Technical Parameters

Category	Parameters
Applicable belt speed	0-10m/s
Applicable belt width	650-3000mm



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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.