www.boton-tech.com
WUXI BOTON TECHNOLOGY CO., LTD.

BOTON

Technology Delivers a Better Life

Contact Us

E-mail: **sales@boton-tech.com**
Address: BOTON Technology Building, 19 Zhang Road,
Xinwu District, Wuxi, Jiangsu, China

/

Hotline

400 155 8080

About Us

Founded in 2000, BOTON has been committed to continuous innovation and development across industrial and mobile solutions. Since its listing on the Growth Enterprise Market in 2009, the company has become an industry benchmark for cross-sector innovation and value creation.

Stock Code
300031

- Industrial Solutions -

Our Industrial Solutions division delivers full-lifecycle digital conveying solutions and full-stack intelligent conveying services for industries including mining, steelmaking, building materials and cement, ports and terminals, and thermal power. We lead the market in green conveyor belts and rank first in exports of our proprietary conveyor belt brand.

- Mobile Solutions -

In the mobile sector, BOTON operates as a leading mobile game publishing platform, distributing games in over **150** countries and regions and serving more than **200** million users worldwide. Committed to promoting global digital entertainment culture and ecosystem development, we continuously enhance the gaming experience through artificial intelligence and virtual reality technologies, delivering high-quality entertainment and enriching people' s lives.

Our Mission

Making Industrial Bulk Material Conveying Greener

Our Vision

To Become a Global Leader in Intelligent Conveying Services

Core Values

Benevolence & Integrity · Collaboration & Sharing · Innovation & Growth

Through the deep integration and mutual empowerment of these two business divisions, we have established a closed-loop ecosystem of **"Technology - Application - Business".** By leveraging technological innovation to break industry boundaries, we continuously create addition- al value for our customers and lead the global shift toward greener and smarter industrial practices.

Our Business

Industrial Solutions

Driven by our vision to become a global leader in intelligent conveying services, we focus on delivering full-stack smart conveying solutions, including digital conveyor belts, intelligent hardware monitoring systems, dust and material handling systems, integrated smart mine operations, digital twin technologies, embodied intelligent industrial applications, and turnkey conveying system services. Leveraging the BOTON Smart Conveying Industry Green Development & Research Institute as our innovation platform, we uphold the principles of sustainable development, maximize our industrial chain advantages, and help partners achieve innovative breakthroughs and transformative growth.

- **Full-Lifecycle Manage- ment Services for High-Performance Digital Conveyor Belts**
- **Turnkey Conveying System Integration Services**
- **Intelligent Digital Conveying Solutions**

Mobile Solutions

We specialize in providing professional services for the global expansion of mobile game products. As one of China's earliest mobile game publishers to go overseas, we have extensive experience in international game distribution. Our business is centered on four key markets—Hong Kong, Macau & Taiwan, Japan, South Korea, and Southeast Asia—while also supporting expansion into other emerging markets worldwide, including the Americas, Europe, and the Middle East, gradually establishing a global game publishing presence.

In the course of global game publishing, the company has established long-term, trusted partnerships with internationally renowned companies such as Face- book, Google, X (Formerly known as Twitter), Line, and Kakao. To date, we have published over **320** games, serving approximate- ly **224.69** million players worldwide, including around 14.88 million active users in 2024.

- **Global Digital Entertainment Content Develop- ment and Cultural Export**

10+ Years	320+	200+ million	150+
Game Developing Experience	Total Published Games	Cumulative Player Count	Country/Regions Game Published Over

Industry Exclusive

National Enterprise Technology Center

National Science and Technology Progress Award

Full-Stack Intelligent Conveying Service Solution Provider

Conveyor Belt Cover Rubber Wear Monitoring System

Conveyor Belt Splice Monitoring System

Industry First

CNAS Laboratory

Digital Twin Smart Mine System

Industry First

Growth Enterprise Market (GEM) Listed Company

NO.1

- Number of Authorized Invention Patents
- Industry Ranking by Export Volume of Independent Brands
- Industry Ranking by Group Total Revenue
- Industry Ranking by Social Contribution Per Capita
- Wind ESG Rating AA-Level

- Market Share of Green Conveyor Belts
- Market Share of Digital Conveyor Belts
- Market Share of Aramid Conveyor Belts
- Market Share of High Temperature Resistant Conveyor Belts
- Market Share of Ply Fire Resistant Conveyor Belts
- Market Share of Intelligent Online Monitoring Products

World's First

Carbon Neutral Conveyor Belt

World's First

High Bio-Based Material Conveyor Belt

World's First

Φ600mmAramid Pipe Conveyor Belt

World's First Set

Extreme Cold Environment Belt Tear Monitoring System

World's First Set

Conveyor Cleaning & Wash Water Recycling System

Industry's First

Long-Distance Energy-Saving Aramid Conveyor Belt for Mines

Industry's First

Anti-Adhesion Conveyor Belt

Industry's First

New Conveyor Belt Tear Monitoring Technology

Industry's First

Conveyor Belt Intelligent Tracking System

Industry's First

Pulley Lagging AI Video Monitoring System

16 Items

Appraisal of Achievements Reaching

33 Items

Development/Revision of Various Standards (International/Domestic, etc.)

9 Items

Undertaking Key National and Provincial Scientific and Technological Projects

11 Items

National/Provincial and Ministerial Level Science and Technology Progress Awards

BOTON Intelligent Conveying Industry Green Development & Research Institute

National Virtual Reality Innovation Center

National Engineering Laboratory for New Materials and Advanced Manufacturing of High-Performance Conveyor Belts in the Petroleum and Chemical Industry

Academician Innovation Center for Green and Intelligent Conveying Technology

Jiangsu Provincial Engineering Technology Research Center for Conveyor Belts in Coal Mines

Jiangsu Provincial Postdoctoral Research Workstation

Global Clients

Domestic

Mining
- China Energy
- Shandong Energy
- Pingmei Group
- Huainan Mining
- Yitai Coal
- Jinmei Group

Steel
- Baowu Steel
- HBIS Group
- Shandong Iron and Steel Group
- TISCO
- Hunan Valin Steel
- Shougang Group

Building Materials
- CNBM
- Conch Cement
- Power China
- BBMG
- Hongshi Hongshi Group
- Shangfeng Group

Power
- China Energy
- China Datang Power
- China Huadian Group
- China Huaneng Power
- SPIC
- China Resources Power

Ports
- Zhejiang Hebei Seaport Group
- Hebei Port Group
- Shandong Port Group
- Jiangxi Provincial Port Group
- Qingdao Port
- Zhuhai Port

Overseas

Mining
- RioTinto
- BHP
- VALE
- Fortescue
- HANCOCK IRON ORE
- IOC
- Codelco
- Antofagasta Minerals
- Glencore
- Minmetals Overseas
- Oyu Tolgoi Mine
- Zijin Mining Overseas
- Alcoa
- SOUTH 32
- CHALCO
- Newmont
- CITIC PACIFIC MINING
- KPC

Steel
- ArcelorMittal
- TATA Steel
- POSCO
- Formosa Plastics
- H2GREEN Steel
- Tsingshan Group

Building Materials
- HOLCIM
- Heidelberg Cement
- CEMEX
- YTL Cement
- Anhui Conch Cement
- CNBM

Power
- Vattenfall
- EGAT
- AGL
- Stanmore Resources
- Mibrag Mining
- China Datang

Engineering
- TAKRAF
- Worley
- Bedeschi
- NEPEAN
- BAOSTEEL
- DHHI

Full-Stack EPC Service for Intelligent Conveying

BOTON is dedicated to delivering integrated, end-to-end solutions that cover the entire lifecycle of conveying systems. From initial engineering design and component selection to seamless installation, commissioning, and ongoing maintenance—extending through to system retrofitting, intelligent upgrades, and sustainable recycling—we leverage our professional expertise to guarantee the long-term operational stability of your infrastructure.

Supported by a robust global service network and deep technical expertise, BOTON provides customized turnkey solutions that balance safety, cost-efficiency, and sustainability across diverse regions. We offer 24/7 technical support and a 24-hour rapid on-site response guarantee, ensuring that critical challenges are addressed promptly and effectively, no matter where our customers operate.

Our mission transcends simple product delivery; we utilize systematic, intelligent O&M and upgrades to keep conveying systems at peak performance, creating long-term value that exceeds expectations. Guided by our PREE (Professional, Reliable, Excellence, Efficient) service philosophy, we strive for excellence in every phase of our smart solutions. Beyond immediate performance, we focus on enhancing total lifecycle value—helping clients lower O&M costs, extend asset life, and achieve energy-reduction goals to maintain a decisive market edge.

01 Challenges and Solutions

PREE
Professional, Reliable, Efficient, Excellent

How to achieve high efficiency while maintaining long-term stability?

✓ Addressing Complex System and Reliability Challenges

High speed, long distance, continuous start-stop, multi-material delivery (e.g., bulk transport, heavy load, and various materials) easily cause wear and tear of the conveyor belt, coupling failure, and damage to key components like rollers and idlers, increasing the cost of unplanned shutdowns and maintenance.

PREE Solution : Provide full-service solutions covering installation, coupling, roller/idler replacement, and belt repair. Simultaneously, offer finite element analysis and simulation design support to optimize the selection and structural design.

✓ Precision Design and Craftsmanship Matching

Different material properties, production pace, and environmental conditions impose higher requirements on the conveyor system design.

PREE Solution: Utilize advanced technical flows, on-site observation, and professional design software to optimize the conveyor belt strength, tension, trough layout, and circuit configuration, ensuring safety, reliability, and cost-effectiveness.

✓ Production Delivery and Supply Chain Pressure

Strict requirements for project cycles and delivery dates, where traditional production and logistics cannot guarantee timely supply.

PREE Solution : Implement an intelligent factory and ERP system for production planning, taking into account customer priorities and production capacity to ensure high-quality, on-schedule delivery. Simultaneously, strengthen raw material inventory management to reduce the risk of supply disruptions.

✓ System Operation and Lifespan Management Challenges

Lack of quantifiable belt performance data and health monitoring, making it difficult to accurately predict lifespan and reduce maintenance costs.

PREE Solution : Leverage IoT-based diagnostic systems, including abrasion monitoring, steel cord monitoring, and X-ray flaw detection, to conduct regular diagnosis and lifespan assessment of the conveyor belt. Provide technical guidance, training, and on-site support to achieve full life-cycle management.

✓ Digital Upgrade and Sustainable Development Requirements

Customers require enhanced transparency and intelligence to realize energy saving, emission reduction, green production, and resource recycling.

PREE Solution: Provide integrated platforms, intelligent operation and maintenance systems, energy-saving, clean production solutions, and cover the entire life cycle of conveyor belts and components, including recovery and reuse, to achieve digital, automated, and sustainable solutions for green logistics

Global Layout

Global Technical Service Outlets

13

Domestic

- South Center
- North Center
- Northwest Center
- Southwest Center

Overseas

- Australia
- Guinea
- Brazil
- Chile
- Peru
- Thailand
- Malaysia
- Mongolia
- Canada

Global Demonstration Center for Recycling of Failed Rubber

1

- Australia

02 Design and Selection Services

BOTON is committed to providing customers with scientific, precise, and customized conveyor belt design and selection services. Focusing on the entire lifecycle of the conveying system, we tailor efficient and reliable solutions to help customers optimize system performance, extend equipment lifespan, and reduce comprehensive operating costs.

Service Goals

✓ Focus on working conditions, guided by performance

We consistently adhere to the principle of "focus on working conditions, guided by performance." Our service goals focus on:

- Integrating with the overall layout of the production line to design highly efficient and reasonable conveying paths, and matching auxiliary devices like tensioning and belt drifts correction systems.
- Reducing unplanned shutdowns, extending service life, improving operational efficiency, and lowering maintenance costs through scientific selection.
- Providing conveyor belt selection solutions with special properties such as high-temperature resistance, oil resistance, anti-static, and food grade.

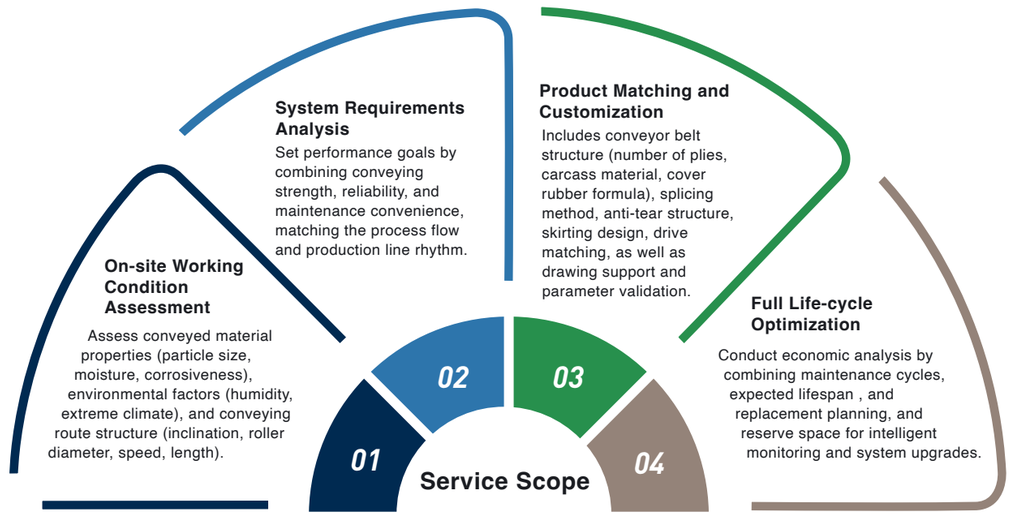
Professional Pre-sales Team

We have a professional pre-sales team led by a chief engineer, possessing extensive project experience, capable of in-depth analysis of complex route conditions, material properties, and environmental factors.

- When customers encounter selection challenges, professional technical personnel can be arranged for on-site surveys.
- Provide optimized design solutions based on site conditions and customer requirements.
- Ensure that the selected conveyor belt achieves the highest cost-effectiveness while satisfying safety prerequisites.

Service Scope

Our service is not limited to selection; it is the delivery of system-level solutions.



Systematized Design Tools

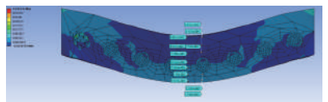
We apply internationally advanced engineering software to the design and verification of conveying systems, ensuring the scientific reliability of the solution:

Modeling Design

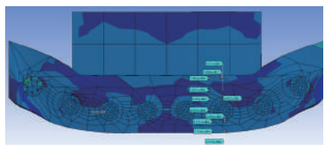
We use professional software for simulation design, capable of providing specialized analysis on layout design, tension calculation, take-up method, sag verification, and other aspects. It generates material trajectory curves, providing a theoretical basis for the reasonable design of chutes.

Route Simulation

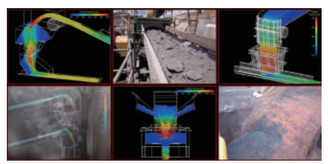
We utilize professional Finite Element Analysis (FEA) software for comprehensive mechanical simulation and damage analysis of the conveyor belt. Through CAD data sharing, structural optimization and working condition verification can be performed on complex routes, helping customers achieve optimal selection.



Stress condition of empty conveyor belt



Stress analysis simulating heavy-load conditions

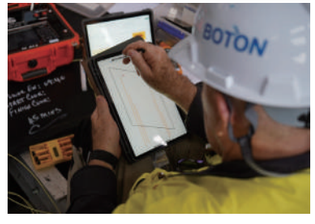


Optimization design of material drop abrasion using Finite Element Analysis

Optimization Suggestion Mechanism

We integrate the optimization process into every service we provide. Based on the BOTON Global Project Database, we can offer:

- Selection of Benchmark Cases from the same industry.
- Common Fault Prediction and Prevention (e.g., over-configuration, model selection, etc.).
- Cost-Benefit Suggestion Reports supporting project review.



Communication Channels

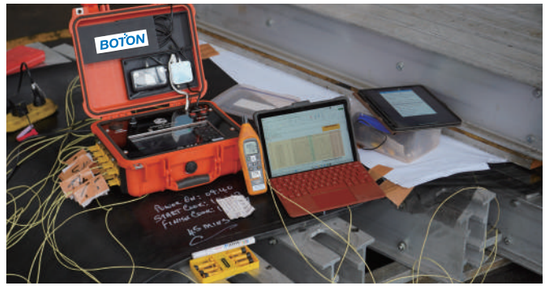
- Direct communication with the engineer or customer, reducing information distortion.
- Providing3Ddrawings/digitalmodelreviews.
- Typical scenario initial model selection report completed within 48 hours.

03 Installation and Commissioning Services

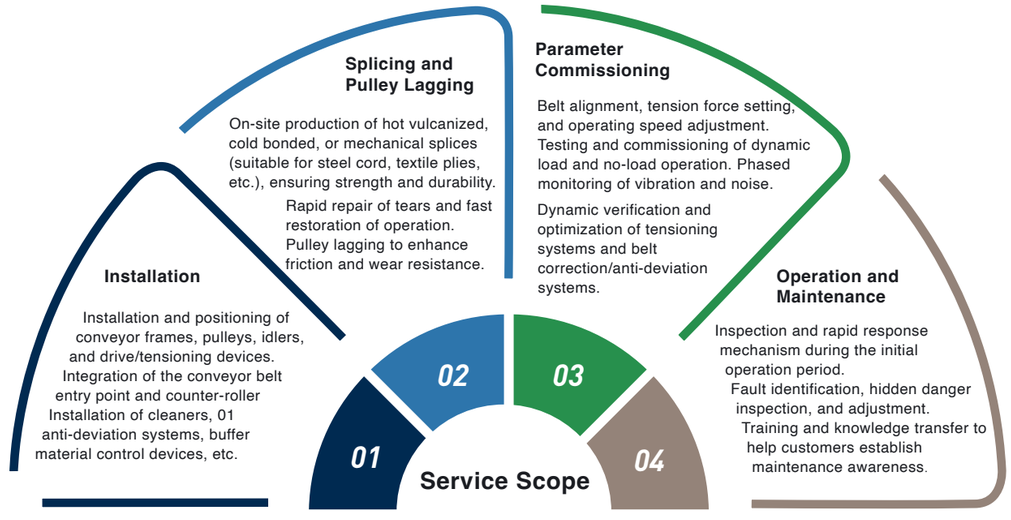
BOTON provides one-stop installation and splicing services, ensuring the system conveying capacity is quickly, efficiently, and safely put into use, maximizing performance and maximizing customer value. Our installation and commissioning service is more than just "getting the equipment installed"; it is the ultimate goal of system-optimized operation, executed and verified according to international standards for the entire belt system operation, from every single pulley, idler, and tensioning system.

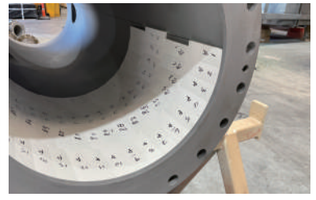
Professional Implementation Team

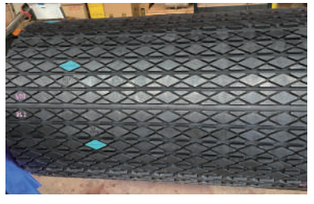
- Equipped with experienced and technically proficient engineers, familiar with various complex operating conditions, capable of rapid problem locating and problem solving.
- Possessing crane, testing and inspection equipment, as well as advanced facilities, to fully ensure the strength and efficiency of the installation and connections.
- Establishing a sound service response mechanism, dispatching to the site within 24 hours (emergencies) and 48-72 hours (non-emergencies).



Service Scope







Guarantee Mechanism

Quality Assurance

Strict adherence to engineering standards throughout the entire process, ensuring the long-term stable operation of the system.

Rapid Response

Full-cycle services covering installation, commissioning, maintenance, and training.

Customer Value

Reducing downtime risk, lowering maintenance costs, and extending conveyor belt lifespan.

04 Conveyor Belt Splicing Service

In the entire conveying system, the splice is a critical factor determining the stability and lifespan of the conveyor belt. Splice quality directly affects operating efficiency, equipment stability, and maintenance costs. Especially under complex conditions such as heavy load, long distance, high temperature, or humidity, the structural strength and bonding process requirements for the splice are even more stringent. BOTON provides multiple types of conveyor belt splicing services, including hot vulcanized splices, mechanical splices, and cold bonded splices, covering various belt types such as Aramid core, steel cord, and textile plies. Leveraging excellent technology, equipment, and experience, our splicing service effectively extends the service life of the conveyor belt and significantly reduces the risk of sudden shutdowns.

Finger Splice

Pre-Splice

Special-shaped Splice

Quick Mechanical Splice

Finger Splicing Technology

Applicable to Aramid Conveyor Belts & BTW Dual-Layer Belts

Although traditional stepped splices or mechanical fasteners are easy to install, their static tensile strength is usually only about 50% to 60% of the original belt. We use advanced Finger Splice method, combined with hot vulcanization technology and matched material design, allowing the static tensile strength to be retained at 80%~85%.

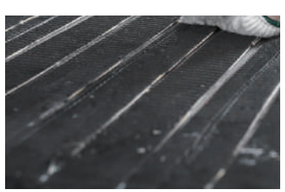
50-60%

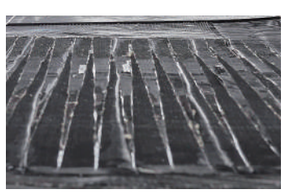
↑ **80-85%**

Static Tensile Strength

- Splicing is vulcanized under appropriate temperature and pressure, ensuring excellent splice integrity and high bonding strength.
- Used for bonding the fingers and the reinforcing material's overlapping belt structure, ensuring firm bonding between the cover layer and the belt core.
- Symmetrical cutting and template matching ensure consistent alignmentof each "finger" and distributed cross-section.
- Cleaning without damaging the fibers; avoiding strength loss due to initial over-stressing or unevenness.
- Crucial material matching: Providing special splicing glue for finger bonding and reinforcing materials; ensuring consistency between the core layer structure, fiber properties of the belt body, and the finger splice materials.

Under dynamic load and repeated cycles in actual operation, the fatigue life is significantly higher than that of stepped splices/mechanical splices; maintenance frequency is extremely low, and overall operating costs and downtime risks are greatly reduced.





Conveyor Belt Splicing Service

Applicable to Steel Cord Conveyor Belts

The pre-splice is a high-performance splice prefabricated at the production end. It uses precision cutting and hot vulcanization technology, allowing for high-strength connections immediately upon installation. It combines material matching and process optimization, designed specifically for high-load, continuously operating conveying systems. It is suitable for scenarios requiring fast, high-quality splice installation while ensuring long-term reliable operation.

High-Strength Bearing Capacity

The splice tensile strength under static conditions can reach 95%-100% of the original belt, achieving near-original belt performance.

Consistent Materials

Splice materials fully match the belt structure, ensuring long-term wear resistance and reliable operation.

Pre-formed

The factory prefabricated structure significantly shortens the splicing operation time.

Hot Vulcanization

The splice is completed through hot vulcanization during installation, curing and ensuring firm bonding between the cover layer and the core.

Special-shaped Splice Technology

Applicable to Splicing Steel Cord and Aramid Conveyor Belts

BOTON has innovatively developed the Special-shaped Splice Technology for steel cord conveyor belts and Aramid conveyor belts. This technology solves the technical challenges of manufacturing splices for belts with different frame layers by utilizing a special structural design of Aramid fabric, developing overlapping methods for Aramid and steel cord (different carcass materials), and researching composite adhesives for conveyor belt splices that balance the adhesion performance of steel cord and Aramid.

This technology passed the scientific and technological achievement appraisal by the China Coal Industry Association on May 12, 2024. The expert opinion was that it "has reached an international leading level".

Did you know?

According to multiple industry studies and practical data (such as the CEMA Technical Handbook and certain international mining O&M reports), approximately 80% of conveyor belt failures are related to splicing issues.

05 Operation and Maintenance Service

The company relies on its professional service team and advanced management platform to provide full-cycle operation and maintenance support to customers, helping to reduce operating costs, extend the conveyor belt lifespan, and ensure the long-term stable and efficient operation of the system, assisting customers in building a more efficient, safer, and more reliable conveying system.

Service Goals

✓ Focusing on guaranteeing system safety, stability, reduction, and extension.

- Through scientific operation and maintenance management, realizing the optimal operating efficiency and lowest integrated cost throughout the entire lifecycle of the conveyor belt.
- By providing comprehensive O&M services, assisting customers to extend the equipment's service life, reduce failure risks, and improve equipment uptime.

Service Scope

Daily Management

- Cleaning, lubrication, tension, and alignment status inspections, ensuring optimal equipment performance.
- Component replacement, including idlers, pulleys, and belt body, preventing continuous failure.
- On-site production of splices and pulley lagging, ensuring splice strength and physical durability.
- Conveyor belt operation status monitoring and management, conveying system daily inspection, and spot checking of key points.

Preventive Maintenance

- **Regular Inspection and Screening:** Inspection of belt wear and damage status, checking the quality of splices, pulleys, and idler conditions, and identifying potential hidden dangers.
- **Performance Testing:** Utilizing thickness gauges, ultrasonic testing, electric spark detection, detection of the vulcanization quality of the belt and steel cord carcass integrity, providing data support for replacement and maintenance.
- **Customized Maintenance Plans:** Combining different production cycles to create maintenance plans, improving early warning against risks.

Emergency Response

- 7x24-hour rapid response mechanism with engineers dispatched immediately to handle sudden failures on-site, minimizing downtime loss.
- Flexible arrangement of special inspections to record anomalies and hidden dangers and propose suggestions for improvement.
- Detailed reports provided after each inspection to establish complete archives for customers, facilitating historical tracking and maintenance planning optimization.

Customer Capability Enhancement

- Providing modular training for installation, splicing, running maintenance, daily inspection, and fault diagnosis.
- Training combines theory with practical operation, equipped with operation manuals, training materials, and demonstration videos, ensuring knowledge implementation.
- Customizable re-training program and quick start courses for new employees are provided for key customers, continuously improving team maintenance capability.

06 System Upgrades and Intelligent Transformation Services

Service Goals

Building on O&M services, we utilize further technical upgrades and intelligent transformation to improve the automation level of the conveying system, enhance equipment reliability, reduce maintenance workload, and decrease unplanned downtime. Simultaneously, we extend the service life of conveyor belts and reduce lifecycle costs, creating a smart, efficient, and green conveying operation system.

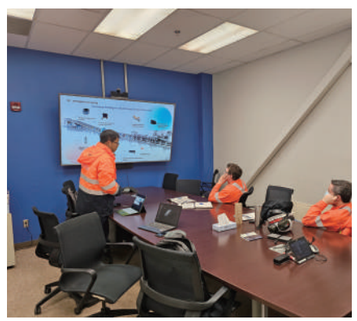
Service Scope

Conveyor System Optimization

- Optimize conveyor system structure: such as chute improvements, and upgrades to cleaners and tensioning systems, to reduce equipment failure frequency and improve continuous operation efficiency.
- Introduce intelligent hardware and control devices: to increase automation levels, reducing manual intervention and maintenance workload.

Conveyor Belt Lifespan Enhancement

- Provide optimized belt type solutions: including wear-resistant, tear-resistant, and heat-resistant types, selecting the most suitable materials and structures for different working conditions.
- Local cold repair, hot repair, and splice repair: to quickly restore operations and extend the service cycle of the belt body.



Intelligent Monitoring & Predictive Maintenance

- AI-based real-time health monitoring and intelligent cleaning robots: Achieve precise monitoring of conditions such as wear, tears, and misalignment (belt deviation).
- Utilize remote data analysis and early warning platforms: Enable predictive maintenance to reduce the risk of sudden failures and optimize O&M decisions.

Green Production & Recycling

- System energy efficiency assessment and energy-saving retrofits: Reduce energy consumption and environmental impact.
- Promote low-carbon, eco-friendly materials: And harmless rubber treatment processes.
- Establish a closed loop for recycling and remanufacturing: For used conveyor belts, achieving closed-loop resource utilization.

Implementation Approach

Customized Modification Solution

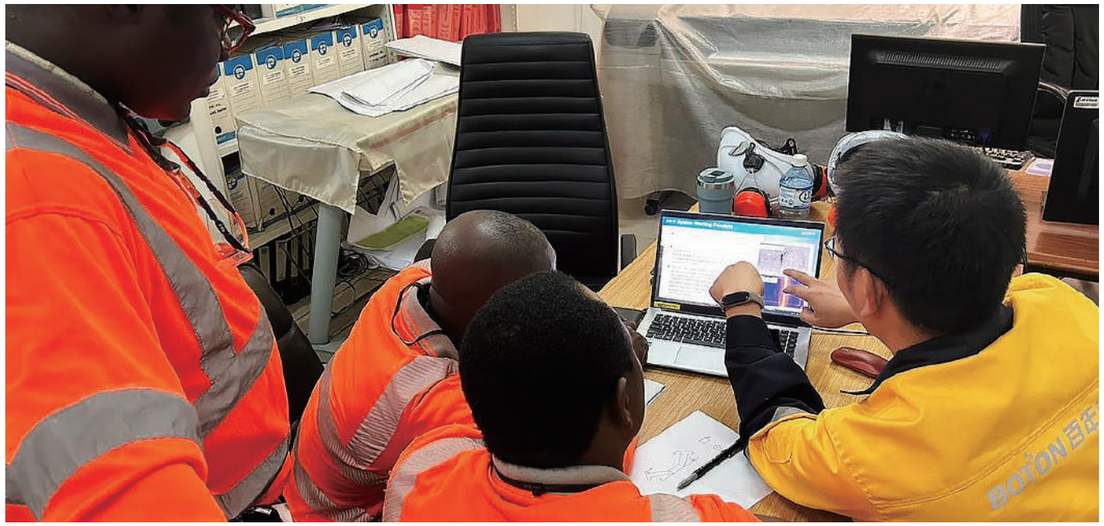
Formulate exclusive upgrade, maintenance, and optimization plans based on conveyor line working conditions, load characteristics, and equipment status.

Intelligent Tools & Equipment

Utilize AI monitoring platforms, intelligent cleaning robots, and structural optimization tools to achieve data-driven O&M and transformation.

Data Analysis & Trend Management

Combine inspection archives and monitoring data to provide operational trend analysis and decision support, guiding predictive maintenance and optimization retrofits.



Full-stack EPC Service Case

Case Study / Central SOE Group Overseas Australian Iron Ore Project

Project Background

BOTON has provided general contracting (EPC) services for this project since 2015. Over the past decade, we have continuously delivered comprehensive maintenance and technical upgrade solutions for the mining area. Through the implementation of technical reforms in key areas such as the conveying system, chute structures, and maintenance methods, we have significantly extended equipment service life, reduced maintenance frequency and labor costs, effectively improved the overall production efficiency and safety levels of the mining area, and helped the owner achieve the goals of cost reduction and efficiency enhancement.

Operating Results

Chute Technical Modification

Through R&D improvement and technical plan execution for the chutes in the pit, the original maintenance frequency of once every 2 weeks was extended to once every 8 weeks. This chute modification drastically reduced maintenance frequency, saved a large amount of labor resources, and significantly lowered maintenance costs.

4x Increase
Maintenance Cycle

Conveyor Belt Lifespan Enhancement Retrofit

The new conveyor belts introduced by BOTON achieved a service life of 6 months, achieving a 3-fold increase compared to the 2-month lifespan prior to the 2016 retrofit. This effectively reduced belt replacement frequency and expenses.

3x Increase
Service Life

Conveyor Tail Structure Optimization

Through retrofit design, the service life of the 21X05 belt was increased from the original 12 months to 18 months, improving equipment utilization rates and overall operational stability.

12months → 18months
Service Life

Conveyor Tail Structure Optimization

Targeting the innovative transformation of the 21X07 belt tail structure, conveyor belt replacement was completed in only 4 shifts. Compared to traditional methods, this significantly shortened operation time, reduced labor input, and improved maintenance efficiency.

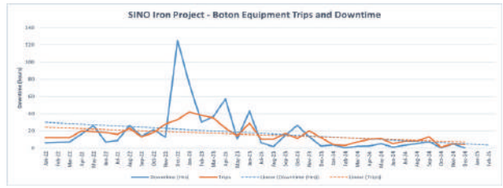
Only 4 shifts required
Conveyor Belt Replacement

Application of Advanced Splice Technology

Adopting new splice technology for steel cord belts, the belt replacement time was shortened by 12 hours, saving significant labor and equipment downtime costs.

Shortened by 12 hours
Jointing Time

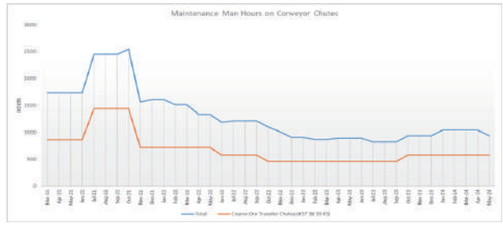
Trips and Downtime



Management of **6** downstream production lines Ensuring coverage of conveying system and maintenance

100%

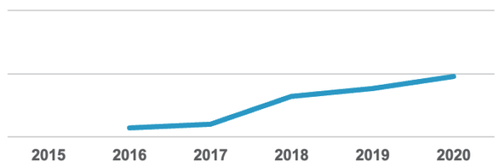
Maintenance Man Hours



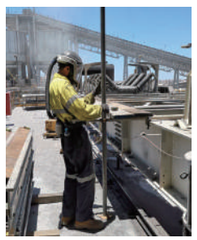
-38%
Reduction in maintenance costs

20-22million tons
Annual production **(2021–2023)**

Cumulative Production Increase (Tons)

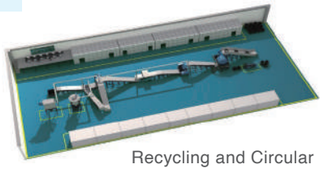


2016-2020
Continuous production growth



07 Waste Conveyor Belt Recycling and Circular Utilization

BOTON is actively advancing its business of advanced recycling and circular utilization of failed rubber. We have a rubber recycling plant designed in Australia with an annual processing capacity of 44,000 tons, planned to increase to 56,000 tons by 2026.This plant primarily processes steel cord conveyor belts, employing multi-stage sorting and fine processing technology to transform waste rubber materials into reusable resources.



Recycling and Circular Utilization Plant Model

Scrap Disposal and Recycling/Circular Utilization

✓ Green and Sustainable Concept Running Through the Conveyor Belt Lifecycle

- Provide scientific scrap testing and performance assessment for conveyor belts and tires.
- Separate and dismantle scrapped conveyor belts and tires to maximize the recycling and utilization of materials.
- Cooperate with clients to promote the eco-friendly regeneration of residual rubber, steel cord, and fabric layers from conveyor belts.
- Reduce corporate carbon footprint and environmental costs, contributing to sustainable development.

Product Name	Particle Size Specification	Main Application
Rubber Lumps/Blocks	Approx. 50mm	Used for pyrolysis treatment or as alternative fuel
Coarse Rubber Granules without Steel Cord	Approx. 15mm	Used for protective cushioning layers in playgrounds and sports fields
Rubber Granules	Approx. 5mm	Used for artificial turf base, rubber mats, etc.
Fine Rubber Powder	Less than 1mm	Raw material for asphalt modifiers and reclaimed rubber products
Removed Steel Cord	—	Recycled and reused for steel smelting or industrial sandblasting applications, etc.

Creating Value for Customers

BOTON