



Mobile Radial Stacker Conveyor Brochure

Advanced Stacking Solutions For Efficient Bulk Material Management

- > **Efficient Stockpiling**
- > **Custom Solutions**
- > **Low Operating Cost**
- > **Reduced Material Rehandling**
- > **Rapid Site Relocation**
- > **Telescopic Boom Extension**

Mobile Radial Stacker Conveyor Introduction

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Stacker Conveyor is an advanced bulk material handling solution designed for efficient stockpiling operations. It enables precise material placement, maximizes stockpile capacity, reduces material rehandling, and ensures reliable performance in mining, quarrying, and bulk handling applications.





Flexible Configuration

Provides stationary, radial, mobile and telescopic stacking solutions to meet different stockyard layouts, material handling requirements and operational conditions.



Efficient Stockpile Management

Designed for continuous bulk material handling, EXCT stacker conveyors enable efficient stockpile formation, material blending and optimized yard utilization while reducing material rehandling.



Customized Engineering Solutions

Each stacking system can be engineered according to site conditions, capacity requirements and project specifications, including conveyor length, stacking radius, discharge height and mobility options.



Reliable Heavy-duty Performance

With robust structures and high-quality conveyor components, EXCT stacker conveyors deliver stable performance under demanding mining and bulk material handling conditions.



Intelligent System Integration

Our stacker conveyors can be integrated with crushers, screens, feeders and overland conveyors to create efficient automated bulk material handling solutions.



Complete Stacking Conveyor Portfolio

01 Radial Stacker Conveyor

Radial Stacker Conveyor is a flexible bulk material handling solution designed for efficient stockpiling operations. With radial slewing capability, it creates wide stockpile coverage, reduces material rehandling, and improves stockyard utilization in mining, quarrying, and bulk material applications.

Advantages:

-  Radial Movement
-  Flexible Stockpiling
-  Increased Storage Capacity
-  Reduced Rehandling
-  Mobile Operation

Application

- > Aggregate stockpiling
- > Mining stockyards
- > Coal storage yards
- > Sand & gravel plants
- > Construction material



02

Telescopic Radial Stacker

Telescopic Radial Stacker combines radial slewing and telescopic boom technology to maximize stockpile capacity and optimize material placement. The extendable conveyor boom allows greater stockpile height and volume while minimizing equipment relocation and material handling costs.

Advantages:

- Telescopic Extension
- Maximum Stockpile Volume
- Precise Material Placement
- Fewer Equipment Moves
- Optimized Stockyard

Application

- > Large mining stockpiles
- > Port bulk terminals
- > Coal handling systems
- > Iron ore stockyards
- > Large-scale aggregate

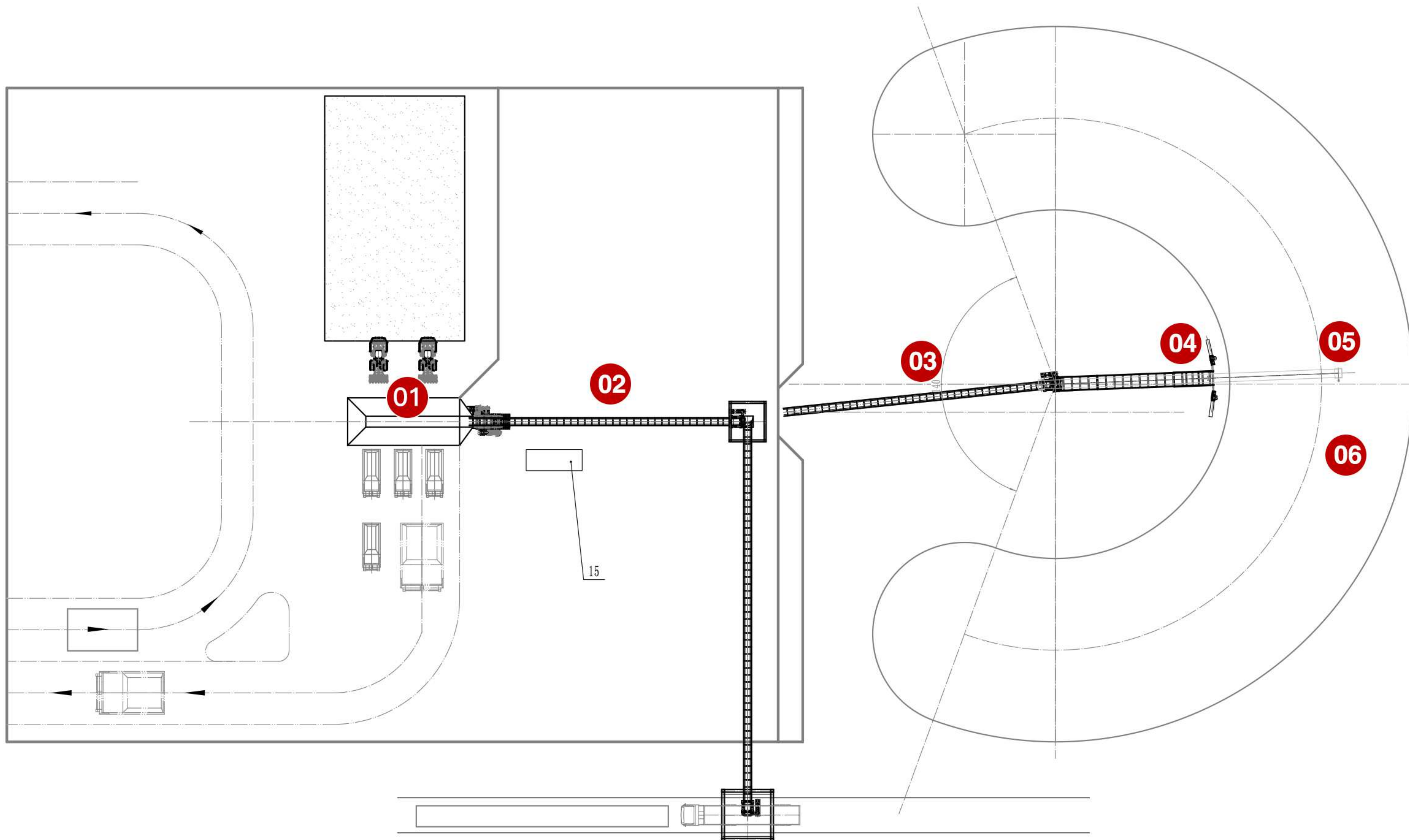
Radial Stacker

VS

Telescopic Radial Stacker

Feature	Radial Stacker Conveyor	Telescopic Radial Stacker
Radial Slewing Capability	✓	✓
Telescopic Boom Extension	✗	✓
Stockpiling Coverage	Wide	Extended
Stockpile Volume	High	Maximum
System Complexity	Simplified Design	Advanced Design
Capital Investment	Lower	Higher
Typical Applications	Aggregate plants, medium-scale stockyards	Large mining operations, ports and bulk terminals

Working Process



01 Feed Conveyor

02 Material Receiving

03 Belt Conveying

04 Boom Rotation / Extension

05 Controlled Discharge

06 Stockpile Formation



Application Industries



Mining



Coal



Iron ore



Copper ore



Gold ore



Nickel ore



Quarry & Aggregates



Limestone



Granite



Basalt



Sand



Gravel



Ports & Terminals



Coal



Minerals



Grain



Fertilizer



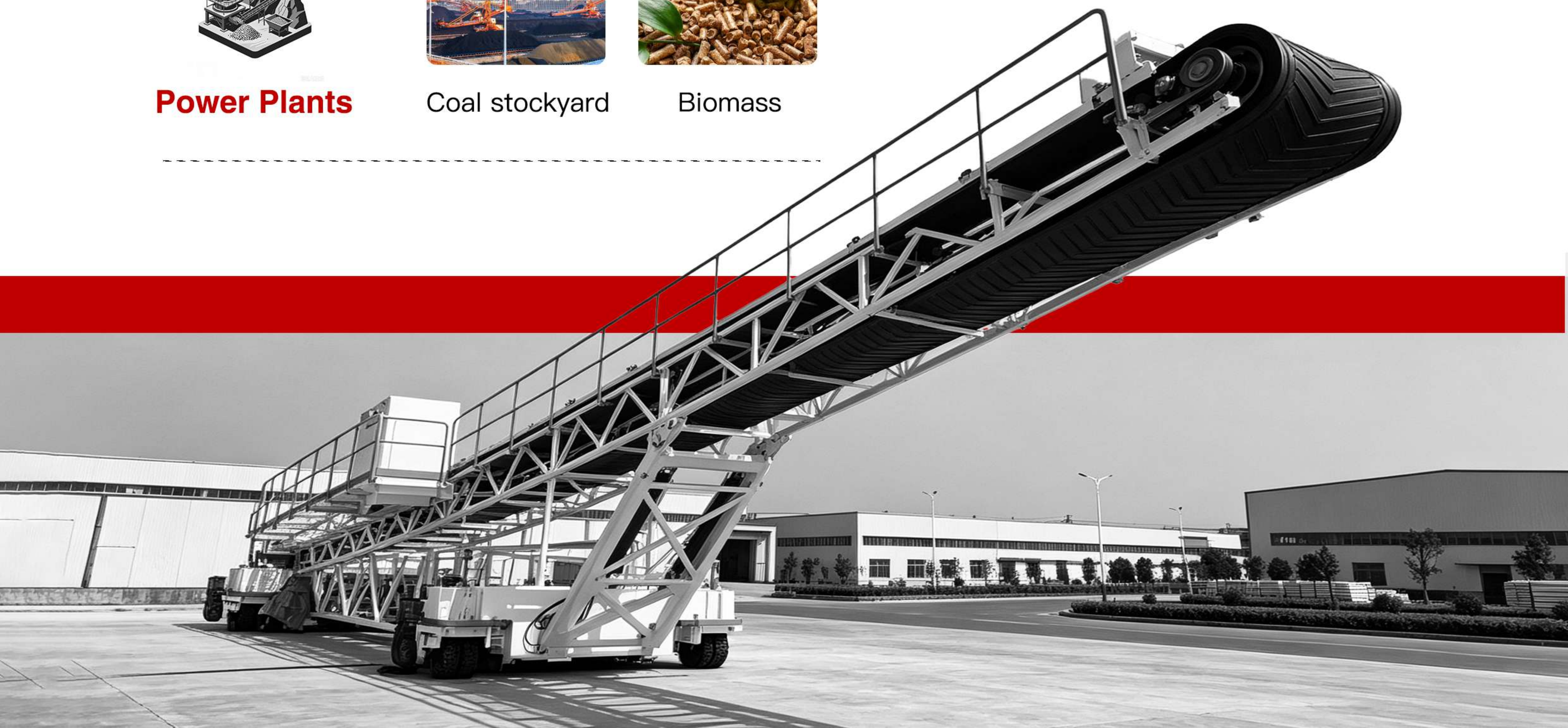
Power Plants



Coal stockyard



Biomass



Components

Boom Conveyor

The boom conveyor is the main material conveying structure of the stacker, consisting of a robust truss frame, conveyor belt, and supporting components. It delivers material to the designated stockpiling area with adjustable discharge height and reach.



Conveyor Belt

The conveyor belt system is designed for continuous bulk material transfer, including heavy-duty rubber belts, impact idlers, rollers, and belt cleaning devices to ensure stable material flow.

Slewing System

The slewing system enables the boom conveyor to rotate around the pivot point, allowing radial movement and flexible stockpile formation through controlled rotation.



Travel System

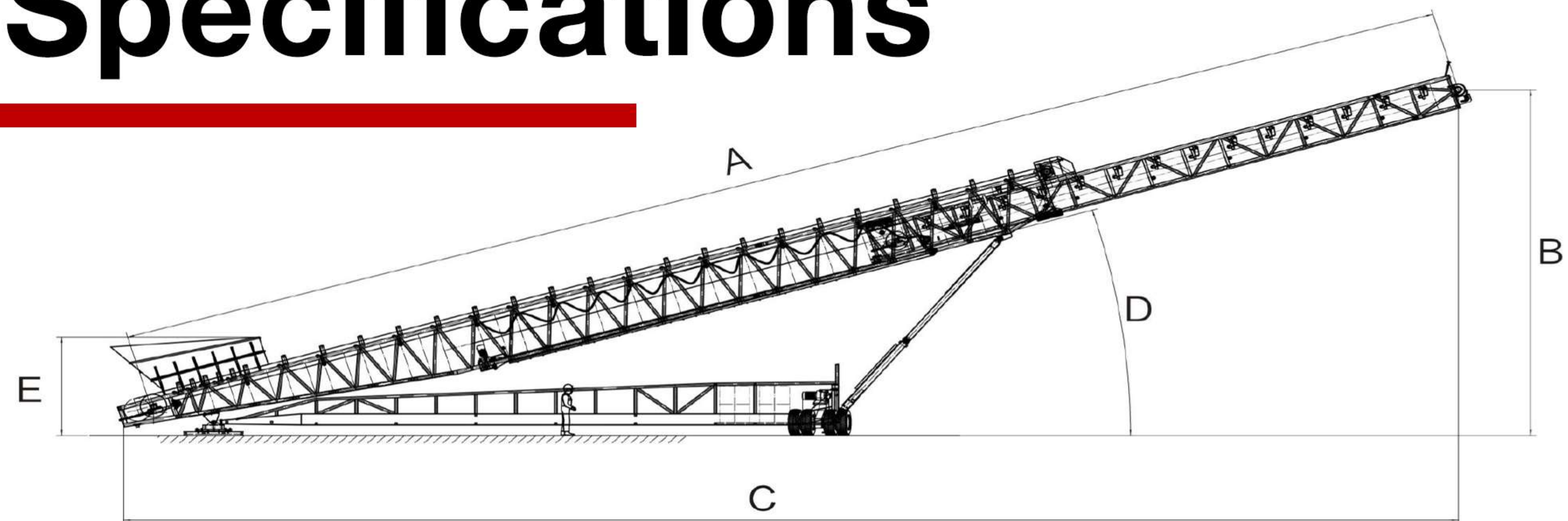
The travel system provides mobility for the stacker conveyor. Wheel-mounted configurations are suitable for easy relocation, while crawler-mounted systems provide enhanced mobility on uneven or soft ground conditions.

Electrical Control

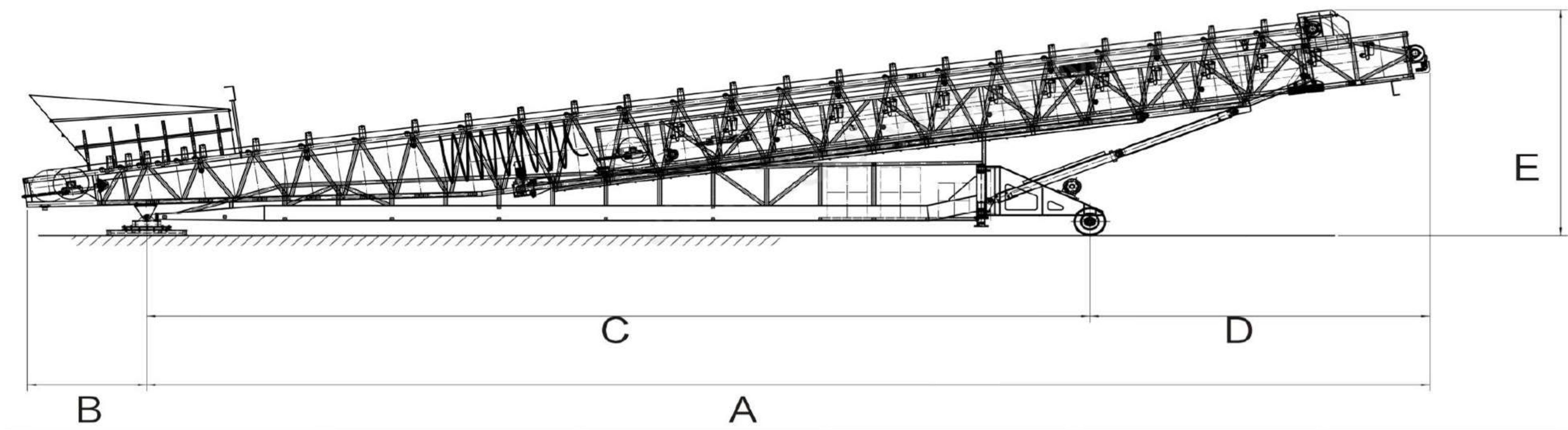
The electrical control system integrates PLC control, drive units, and monitoring devices to manage equipment operation, safety interlocks, and automated control functions.



Technical Specifications



Specification					
Parameter	33(23+10)m	40(28+12)m	46(31+15)m	52(33+18)m	60(40+20)m
A: Length(m)	33	40	46	52	60
B: Discharge height(m)	10.3	12	14.6	15.2	17.5
C: Horizontallength(m)	32.6	41	46.4	47.8	57.4
D: Maximum angle(°)	17	17	18	17	17
E: Tall feeding height(m)	3.6	3.6	3.6	4	4



Specification					
Parameter	A	B	C	D	E
33(23+10)m	20.3	2.9	16	4.3	5.5
40(28+12)m	28.8	2.8	21.1	7.7	5.7
46(31+15)m	29.3	6.4	19	10.2	6.9
52(33+18)m	38.1	6	26.1	12	8.1
60(40+20)m	47.8	6	30	17.8	10

Success Project



- Indonesia Mifa





- Russian Crushing Station Project

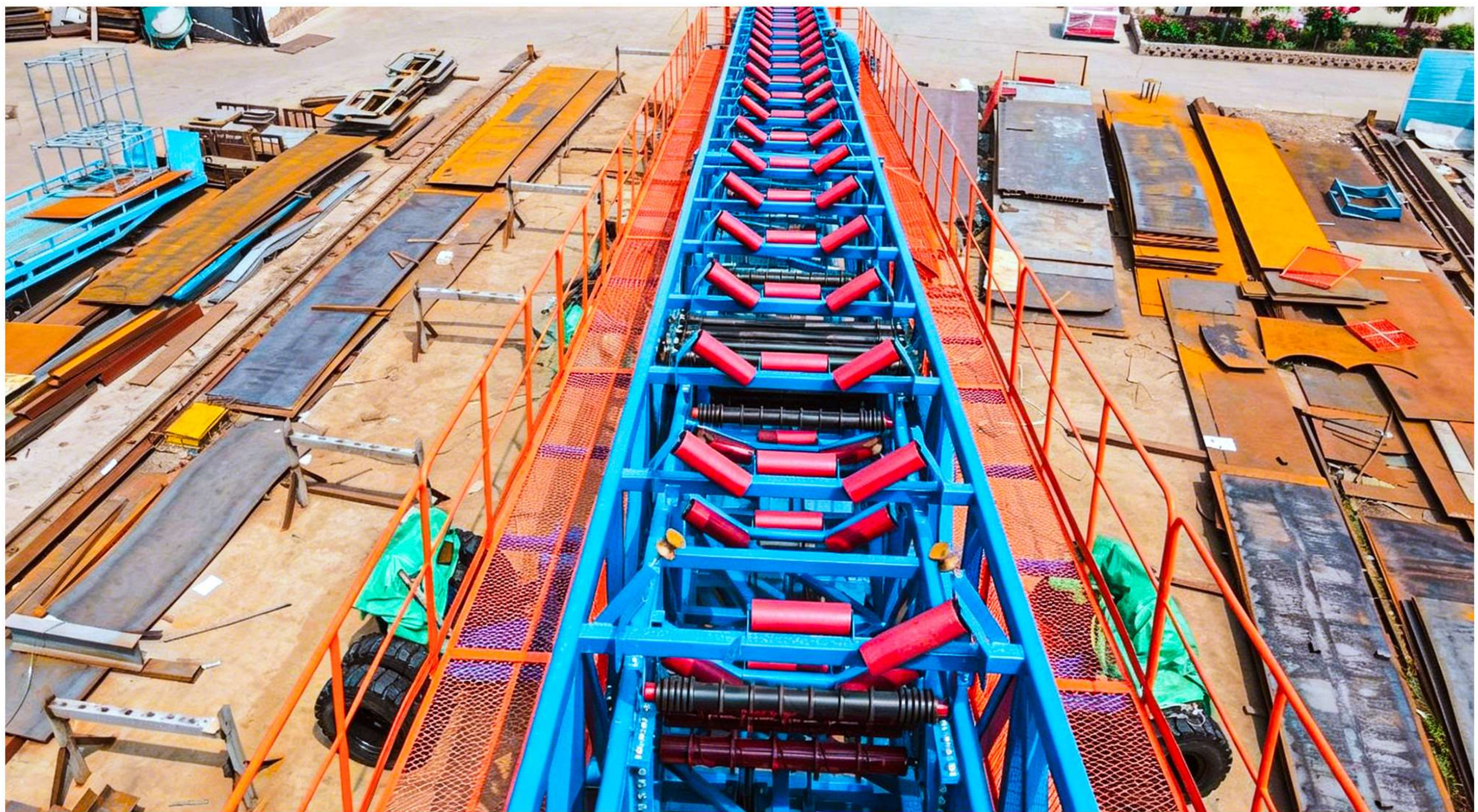


- Indonesia Zhanbi Wharf Project



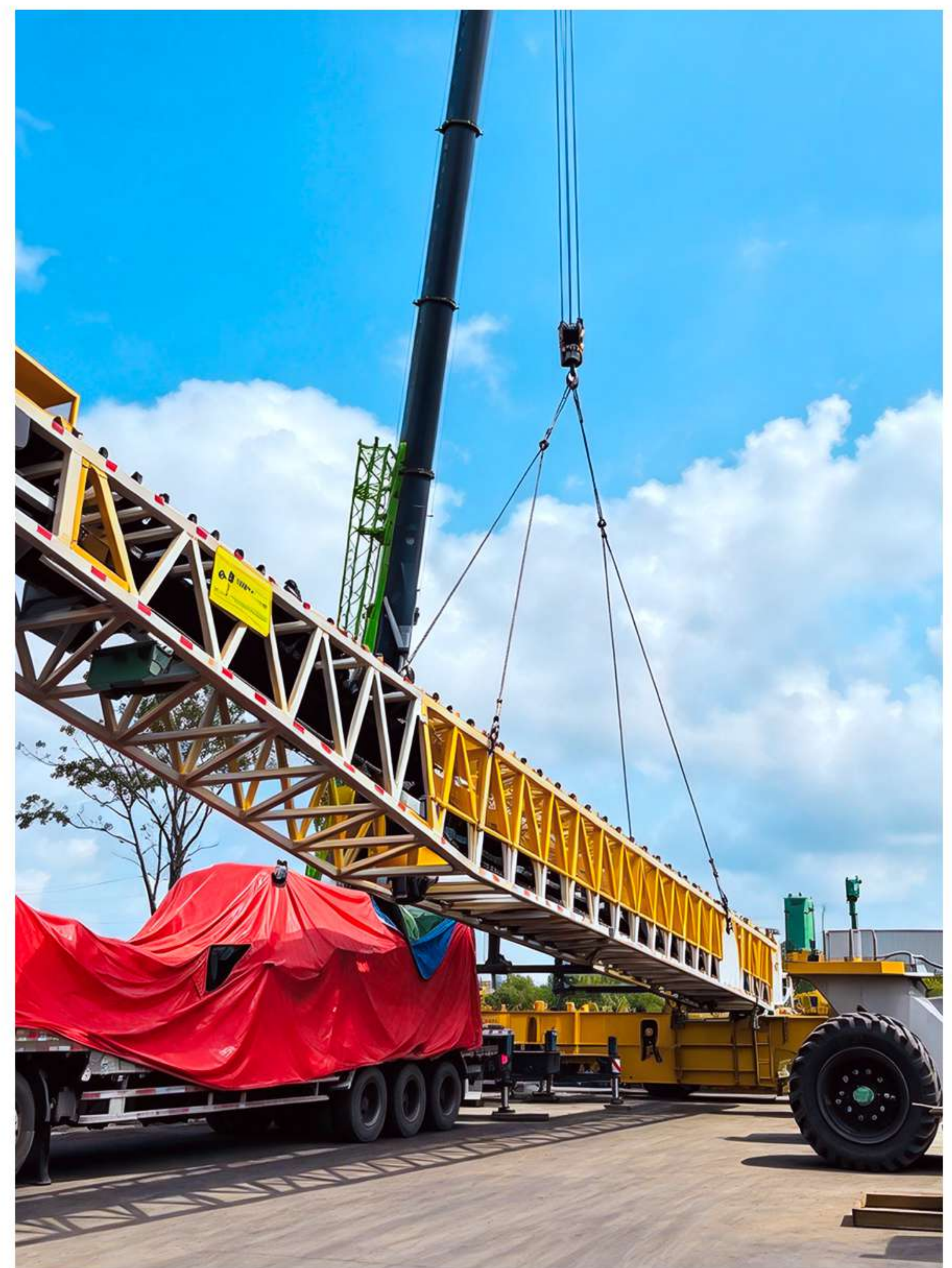


- **Akonit Conveyor Project in Russia**



- Barge telescopic conveyor system project





- Zhini Conveying Project



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