



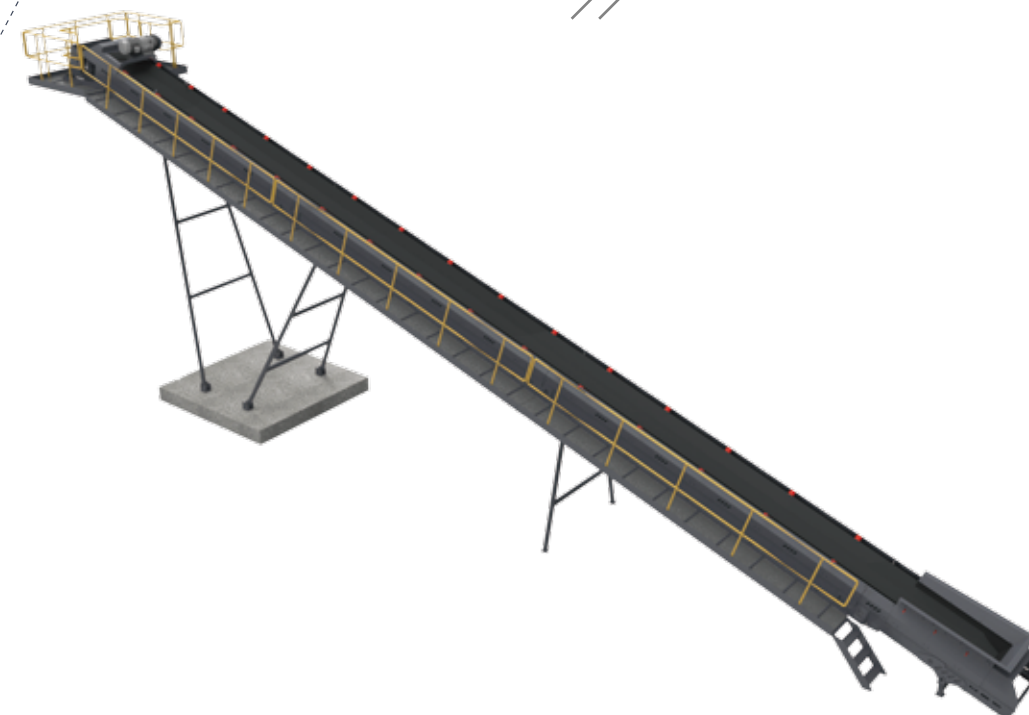
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B6X 系列带式输送机

B6X series belt conveyors

最贴近用户需求的带式输送机

Belt Conveyors Closest To Users' Requirements



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在分析了以往皮带机大量现场应用情况、在保证产品性能以及质量的前提下，上海西芝矿山工程机械有限公司本着既能为客户节省投入又能为客户提供性能稳定的产品的理念，潜心打造出了一款最贴近用户需求的B6X系列带式输送机。

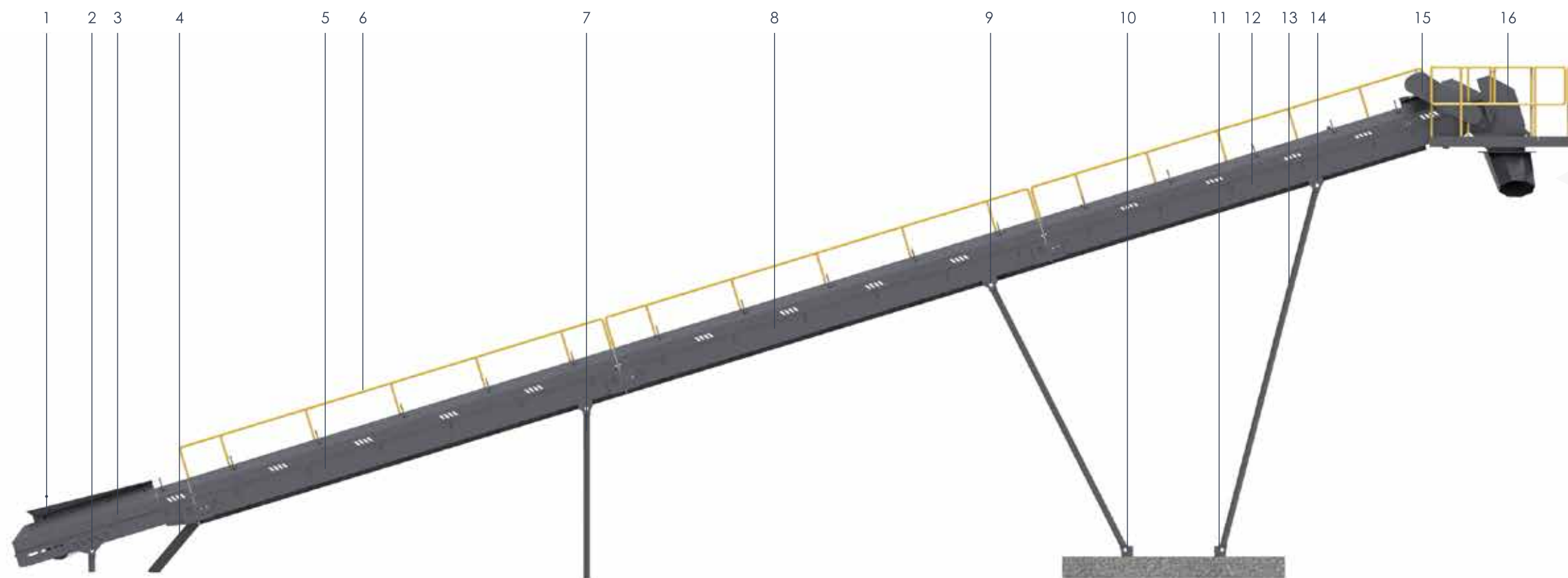
On the analysis of massive field applications of belt conveyors and on the premise of guaranteeing the product performance and quality, Shanghai Zenith Mining and Construction Machinery Co., Ltd.. (hereinafter referred to as ZENITH) has devoted itself to creating the B6X series belt conveyors closest to the user demands in line with the concept of both saving customer's investment and providing customers with products stable in performance.

作为专业的矿山机械制造企业，B6X系列带式输送机相较于传统的输送机更加关注市场及用户的实际需求，无论是在模块化的通用设计、还是头架尾架的创新性设计，都保障了设备在运行时的高产、高效、低成本，成为传统带式输送机的理想升级替代产品。

As a professional mining machinery manufacturing enterprise, ZENITH has its B6X series belt conveyors paying more attention to actual needs of markets and users compared with the traditional belt conveyors, with both its modular general design and its innovative design of the headstock and tailstock able to guarantee the equipment high yield, high efficiency and low costs during operation, so such conveyors can act as the ideal and upgraded substitutes of the traditional belt conveyors.

仅仅输送物料并不复杂，在用户普遍关心的产品质量、性能和投入的基础上，B6X系列带式输送机还做到了方便安装、维护简单、节能环保、并采用高端制造工艺、造型美观、安全性高，可以满足各类散装物料的高标准输送。当用于矿山、冶金、煤炭、交通、电力、建材、化工、轻工、粮食和机械等行业，B6X带式输送机无疑代表了当今最为先进的输送技术。

Only conveying materials is not complicated because when users are universally concerned about the product quality, performance and investment, B6X series belt conveyors have also achieved convenient installation, simple maintenance, energy conservation and environmental protection, as well as the high-end manufacturing technology, attractive appearance and high safety, which can satisfy the requirements for high standard transportation of all kinds of bulk materials. When used in mining, metallurgy, coal, transportation, electric power, building material, chemical industry and light industry as well as food, machinery and other industries, the B6X belt conveyors are no doubt representing today's most advanced technology.



主要结构： B6X系列带式输送机 典型整机结构如下图

Typical Construction:

- 1—导料槽；Feed channels
- 2—支腿；Supporting racks
- 3—机尾架总成；Middle frame assembly
- 4—扶梯；Ladder
- 5—中间架总成；Middle frame assembly
- 6—维修走道；Service access
- 7—支腿；Supporting racks
- 8—中间架总成；Middle frame assembly
- 9—上销轴；Upper pin roll
- 10—下销轴；Lower pin roll
- 11—底座；Base
- 12—头架总成；Head frame assembly
- 13—支腿；Supporting racks
- 14—滑块；Sliding block
- 15—驱动装置；Driving device
- 16—头部漏斗；Head hopper

模块化通用设计 维护安装方便

Modular universal design

- Convenient maintenance and installation

为了降低用户现场安装和使用的难度，缩短安装维护周期，同时确保设备完整、快速的到达用户现场，B6X系列带式输送机的设计着重强调了高通用性以及互换性，安装更简单，同时维护点也非常少。

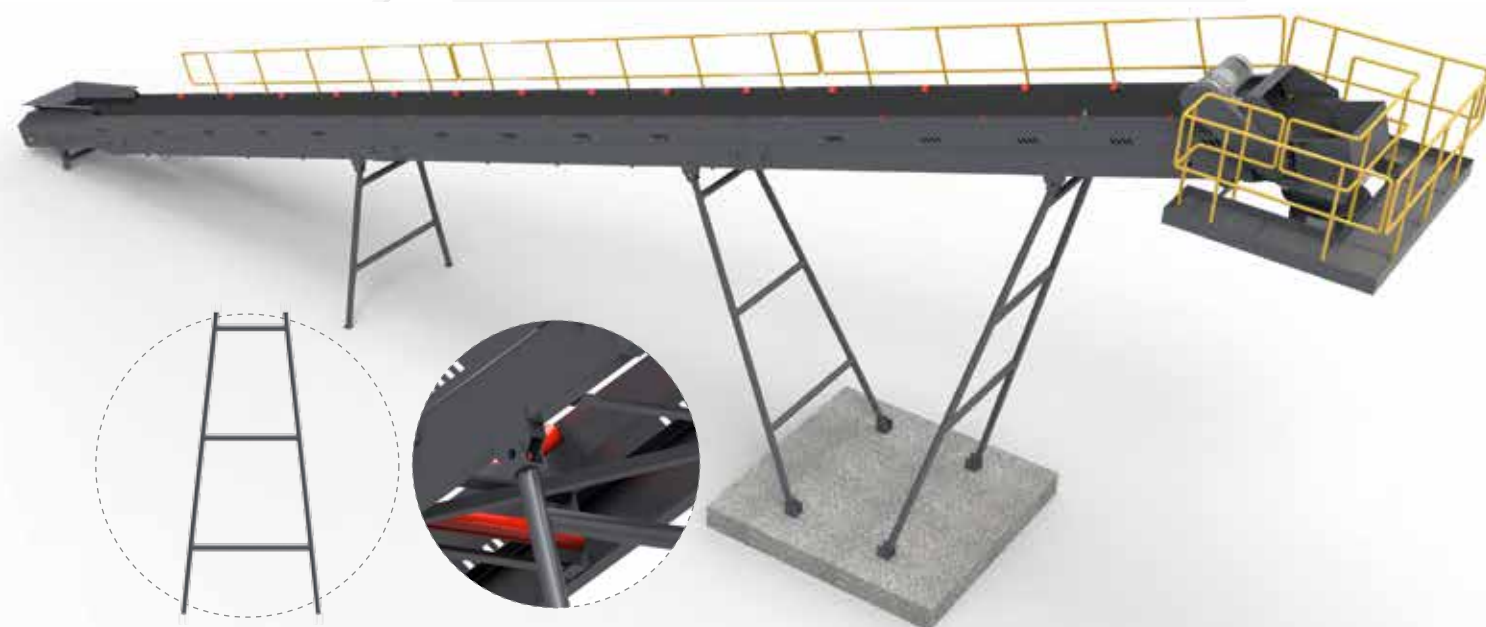
In order to reduce the difficulty of users' on-site installation and operation, shorten the period of installation and maintenance, and at the same time ensure that the equipment reach the scene in a fast and complete manner, the design of the B6X series belt conveyors has emphasized the high universality and interchangeability as well as more simple installation and fewer maintenance points.

1、机架为模块式设计，由标准的头架、尾架和中间架由螺栓加锥度斜面连接而成，配备模块式侧护板，安装运输方便，连接简单可靠。

1.The frame adopts a modular design, whose standard headstock, tailstock and intermediate frame are connected by bolts, and taper bevels and a modular side guard is also equipped, so the equipment can be conveniently installed and transported, as well as simply and reliably connected.

2、支腿采用八字结构，由圆管组焊而成，配备通用的连接座，采用卡位固定销轴连接，可根据安装角度调节支腿，落料空间大，安装方便。

2.The supporting racks use a "toe-out" construction and are installed and welded with circular pipes, equipped with a universal coupling base subject to slotted dowel pin shaft connection, and the legs can be adjusted according to the installation angles, so it can achieve large blanking space and convenient installation.



优化结构 设备更优良

Structure optimization

-More excellent equipment

机架优化 结构可靠

Frame optimization Reliable structure

机架主梁采用C型钢，上下两层支撑梁，配备侧护板，机架截面尺寸大，整体强度高；整机采用有限元分析，整体受力设计合理，在复杂受力情况下均满足负载要求，使用更加可靠。

The chassis main beam uses a C type steel structure including the upper and lower support beams and equipped with side guard plates, so the chassis features a large section size and high overall strength; the complete machine adopts finite element analysis and the overall stress design is reasonable, able to meet the load requirement under complex stress conditions and achieve more reliable operation.



传动优化 维护方便

Drive optimization Convenient maintenance

头架采用电机带动摆线减速器驱动传动滚筒，运行稳定可靠，维护方便；尾架采用小尺寸改向滚筒，优化张紧装置和接料装置，配备清扫器，结构紧凑，安装尺寸小，方便安装和接料。

The headstock uses a motor to drive the cycloid speed reducer and consequently drive the driving drum, featuring stable and reliable running and convenient maintenance; the tailstock uses small-sized turnabout drums, optimized tensioning and material collecting devices, and sweepers, so it can achieve a compact structure and a small installation size, able to facilitate installation and material collection.



顶尖设计 细节完美处理

Top design - Perfect treatment of details

B6X系列带式输送机的优秀源于其设计和制造工艺，即使是最微小的细节也做到了尽善尽美，以保证设备功能最强、可靠性及安全性最高。

The excellence of B6X series belt conveyors comes from its design and manufacturing technology and even the smallest details have been perfected, to ensure the strongest function and the highest reliability and security of the equipment.



有限元动态分析 提高设备强度

Finite element dynamic analysis

- Improve equipment strength

B6X带式输送机采用有限元动态模拟分析，整体受力设计合理，在复杂受力情况下均满足负载要求，使用更加可靠。

The B6X belt conveyors adopt finite element dynamic simulation analysis and the overall stress design is reasonable, able to satisfy the load requirements under complex stress conditions and achieve more reliable operation.



高等级防护措施 安全性能更高

High-grade protective measures

- Higher safety performance

B6X的侧护板设计不仅起到安装托辊的作用，另外，旋转辊子完全封闭在皮带机内侧。头部链传动配有护罩，这使得维护人员的安全性得到了很大的提高。

The side guard plate design of B6X can not only have the effect of an installation roller, but also have the rotating roller completely closed inside the belt conveyor. The head chain drive is equipped with a shield, which has greatly improved the safety of the maintenance staff.

桁架式”结构设计 抗弯能力好

"Truss" structure design

- Good resistance to bending

B6X带式输送机中间架部分采用“桁架式”结构设计，并配备加强护板，关键部位材料升级，使得机架刚性与抗弯能力显著提高，并提高了设备的安全性。

The intermediate frame of the B6X belt conveyor adopts a "truss" structure design, strengthened guard plates and upgraded materials at the key parts, so that the frame rigidity and bending resistance as well as the equipment safety has been increased significantly.



超强系列升级能力

Superstrong capacity for series upgrading

传统的带式输送机由于受到工艺技术的影响，设备不能够进行升级，而B6X系列带式输送机可根据用户需求升级为半移动和移动式输送机，满足客户不同输送需求。

The traditional belt conveyors can't be upgraded due to limitation to the technology while B6X series belt conveyors can be upgraded to semi-mobile and mobile conveyors according to users' requirements to satisfy their variable demands for conveying.

贴近用户需求的配置

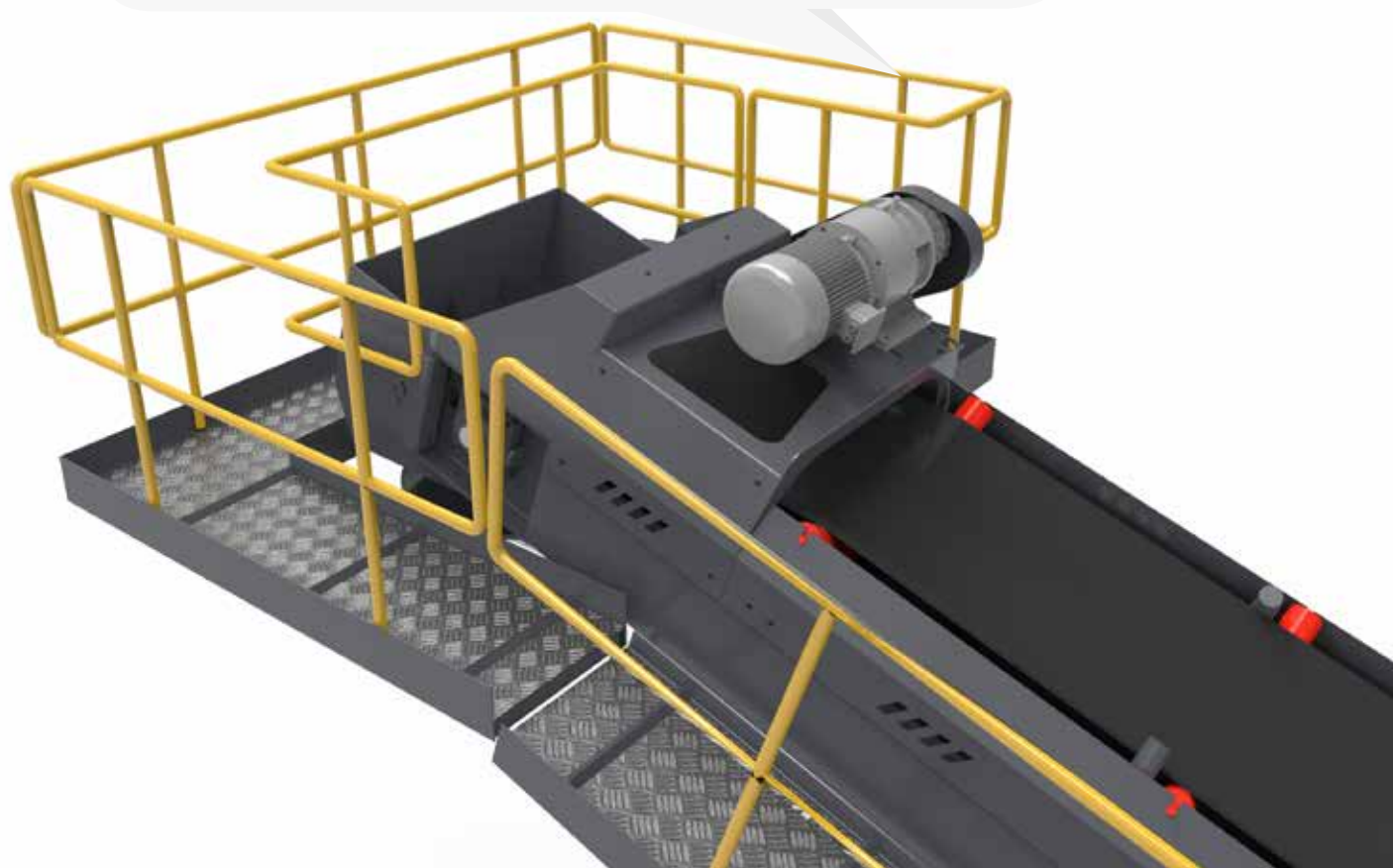
Configurations close to users' requirements

维护及环保配置

Maintenance and environmental protection configurations

B6X系列带式输送机配置导料槽和清扫装置，可以根据需求配置出料斗和转接料斗、维修走道和爬梯、防雨防尘罩、以及逆止器等部件，大大提高了客户在使用及维护便利性。

The B6X series belt conveyors are configured with guide chutes and cleaning devices and can be configured with such parts as discharging hoppers, transfer hoppers, service access and ladders, rainproof and dustproof covers, and holdback device according to the actual needs, thus to greatly improve customers' use and maintenance convenience.



特殊用户需求配置

Configurations for special users' needs

B6X系列带式输送机还可以根据用户需求及使用环境定制特殊输送设备，如耐寒输送机、耐腐蚀、耐高温、移动式输送机等。

The B6X series belt conveyors can also customize such special conveying equipment as cold-resistant conveyors as well as corrosion and high temperature-resistant and mobile conveyors according to users' requirements and working environment.

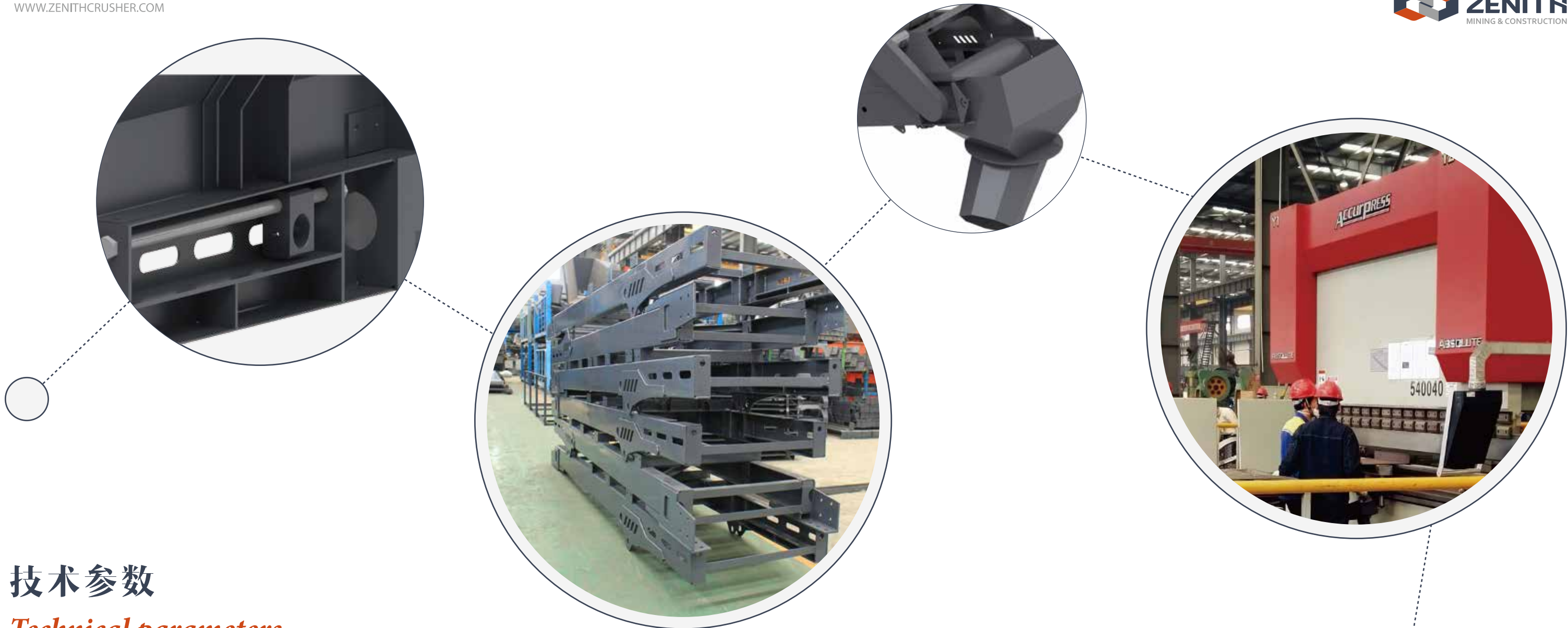
联合国际品牌 共同打造精品输送设备

Cooperate with international brands to jointly create high-quality conveying equipment

为了最大限度确保B6X系列带式输送机的使用可靠性，设备配套件如皮带、托辊、电机和减速机，全部配套具有国际认证标准的国内外知名品牌产品，确保设备使用更可靠更稳定。

In order to ensure operational reliability of B6X series belt conveyors to the utmost, such equipment fittings as belts, rollers, motors and reduction gears etc. are all well-known brand products with international certification standards at both home and abroad.





技术参数

Technical parameters

型号	带宽	倾角	带速	物料粒度		输送量	功率(8≤L≤30m)
Model	Belt width (mm)	Angle (°)	Belt speed (m/s)	Product granularity(mm)		Capacity(t/h)	Power (8≤L≤30m) (kW)
B6X500	500	0-17°	1.5	≤150		150	4-11
B6X650	650	0-17°	1.6	≤200		250	4-11
B6X800	800	0-17°	1.4	≤300		400	5.5-15
B6X1000	1000	0-17°	1.4	≤400		600	7.5-18.5
B6X1200	1200	0-17°	1.4/1.5	≤500		900	11-22

注：物料碎石，堆积密度ρ=1.6t/m3,运行堆积角θ=20°
Note: For gravel materials, the bulk density ρ=1.6t/m3 while the accumulation angle θ=20° during movement.
倾斜角度极限值与物料有关 The inclination angle has its limit value related to materials.