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

作为专业的矿机制造企业，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真实需求，无论是在模块化的通用设计，还是在更复杂的定制设计，都确保了设备在运行时的高可靠，低能耗，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, SBM has its B6X series belt conveyors paying more attention to actual needs of market 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。在用户精益求精的产品质量、性能和投入的基础上，B6X系列带式输送机做到了方便安装、维护简单、节能环保，并采用了美国制造工艺、型材美观，安全性高，可以满足各类安装物料的标准要求，适用于矿业、冶金、煤炭、电力、建材、化工、粮油、烟草、食品机械等行业，B6X系列输送机无疑代表了当今最为先进的输送技术。

Only conveying material 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结构示意图
Typical Construction:

1. 机架：Frame
2. 支腿：Supporting legs
3. 中间架：Middle frame assembly
4. 机架：Frame
5. 机架：Middle frame assembly
6. 升降装置：Service access
7. 支腿：Supporting legs
8. 托辊架：Middle frame assembly
9. 上托辊：Upper pin roller
10. 下托辊：Lower pin roller
11. 端头：Base
12. 头架装配：Head frame assembly
13. 支腿：Supporting legs
14. 滚轮：Rolling block
15. 驱动装置：Driving device
16. 头部装置：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、快捷的到达用户现场，
BBX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，同时维护也更加方便。

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 BBX series belt conveyors has empha-
sized 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、尾架和中间支架通过高强度

   斜肩连接而成，配备模块式侧托板，安装维修方便，连接精度高。
   
   The frame adopts a modular design, whose standard head-

   stock, tailstock and intermediate frame are connected by
   bolts, and taper bevel, 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. 支撑架采用八字结构，底座紧贴地面，设备通用的连接座，采用

   卡瓦固定轴承支承，可调节安装角度支撑，整机空间小，安装
   方便。

   The supporting racks use a “tie-out” construction and are

   installed and webbed with circular pipes, equipped with a
   universal coupling base subject to started 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

机架主要采用C型梁，上下两根支撑梁，能备保护板，机

架截面尺寸大，整机到交实，整体梁间有钢丝连接，整体

受力设计合理，在复杂受力情况下均满足承载要求，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
- Conveniet maintenance

头架采用电机带动螺旋减速器带动传动滚筒，运转稳定可靠，

维护方便；尾架采用小尺寸的滚筒，优化张紧装置和驱动装

置，配套清扫器，结构紧凑，安装尺寸小，方便安装和维护。

The headstock uses a motor to drive the cycloid speed

reducer and consequently drive the driving drum, featur-

ing stable and reliable running and convenient main-

tenance; the tailstock uses small-sized turnabout drums,

optimized tensioning and material collecting devices,

and sweepers, so it can achieve a compact structure

and small installation size, able to facilitate installation

and material collection.
优化结构 设备更优良
Structure optimization – More excellent equipment

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

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.

高等防护措施 安全性能更高
High-grade protective measures – Higher safety performance

B6X防尘罩设计不仅起到安装托辊的作用，而且罩子完全封闭在皮带机内侧，头部传动部位有护栏，这样使得机架人员的安全性得到了保障。

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输送机的中问架部分采用“桁架式”结构设计，并配备加强护板，关键部件材料升级，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.
**Configurations close to users’ requirements**

**Maintenance and environmental protection configurations**

BAX系列带式输送机配置有除尘器和清扫装置，可以按照需求配置出符合和转接料斗、堆焊过渡段防偏、防偏防尘罩，以及防偏器等部件，大大提高了客户在使用及其维护便利性。

The BAX series belt conveyors are configured with quick chutes and cleaning devices and can be configured with such parts as discharging hoppers, transfer hoppers, service access and loaders, rainproof and dustproof covers, and idler and device according to the actual needs, thus to greatly improve customers’ use and maintenance convenience.

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

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

In order to ensure operational reliability of BAX 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.
### Technical parameters

<table>
<thead>
<tr>
<th>型号</th>
<th>带宽 [mm]</th>
<th>倾角</th>
<th>带速 [m/s]</th>
<th>物料粒度 [mm]</th>
<th>输送量 [t/h]</th>
<th>功率 [8≤L≤30m] [KW]</th>
</tr>
</thead>
<tbody>
<tr>
<td>B6X500</td>
<td>500</td>
<td>0-17°</td>
<td>1.5</td>
<td>≤150</td>
<td>150</td>
<td>4.11</td>
</tr>
<tr>
<td>B6X650</td>
<td>650</td>
<td>0-17°</td>
<td>1.6</td>
<td>≤200</td>
<td>250</td>
<td>4.11</td>
</tr>
<tr>
<td>B6X800</td>
<td>800</td>
<td>0-17°</td>
<td>1.4</td>
<td>≤300</td>
<td>400</td>
<td>5.5-1.5</td>
</tr>
<tr>
<td>B6X1000</td>
<td>1000</td>
<td>0-17°</td>
<td>1.4</td>
<td>≤400</td>
<td>600</td>
<td>7.5-18.5</td>
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<tr>
<td>B6X1200</td>
<td>1200</td>
<td>0-17°</td>
<td>1.4/1.5</td>
<td>≤500</td>
<td>900</td>
<td>11-22</td>
</tr>
</tbody>
</table>

注：物料为石料，堆积密度ρ=1.69m³/t；运输机倾角0-17°。

Note: For gravel material, the bulk density ρ=1.69m³/t while the inclination angle 0-17° during movement.

物料粒度值与物料有关，运输机的倾角有其限值，相关材料。