



BNYEL®

# *Hoisting Equipment European Style*

彬野 / 欧式起重设备

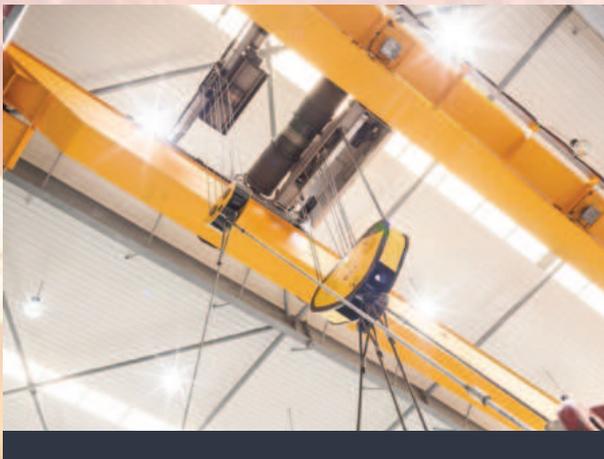


# Business enterprise brief introduction

## 企业简介

彬野起重机械(上海)有限公司是全球领先的起重机及物料智能搬运产品的专业制造和服务供应商，致力于起重机及物料搬运技术的发展和研究，采用新理念，开发新产品，不断追求工业进步。公司凭借丰富的经验、专业的设计，为客户提供自重轻、净空低、安全可靠、性能优良和运行高效的满足各种工况的起重机产品，使客户能够减少厂房投资，提高生产效率，减少日常维护，节省运营能源消耗，取得良好的投资回报。

BNYEL Cranes (Shanghai) Co., LTD. is a global leader in the crane and material handling products manufacturing and service providers, committed to the development of crane and material handling technology and research, to adopt new ideas, new product development, the pursuit to industrial progress. Companies with rich experience, professional design, to provide customers with light weight, low headroom, safe and reliable, good performance and running efficiently to meet all kinds of working condition of crane products, satisfy customers of reducing facility investment, improving the production efficiency, reducing the daily maintenance, save operation energy consumption, obtaining good return on investment.



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# Hoisting Equipment European Style

彬野 / 欧式起重设备

## Single beam bridge crane

### 单梁桥式起重机

品名称：单梁桥式起重机

型号：LD

起重量：1-10T

起升高度：6m,9m,12m,15m,18m

工作级别：A3,A4,A5

实现最佳性能和成本效益



# Single beam bridge crane

## 单梁桥式起重机

单梁桥式起重机价格诱人，技术先进。它刚性强自重轻，减少起重机轨道负荷，性价比高、设计出众、行走特点突出，是您最佳选择。它能满足您的多种要求，使工作高效可靠。最大起重量10吨，跨度最大30米，起重运行速度最大40米/分，小车行走速度最大30米/分，起升速度最大12.5米/分。

### 优势与特征

- A、以计算机优化设计的箱型梁为主承载梁。
- B、起重机端梁采用抗扭箱式结构。
- C、主梁与端梁的连接符合机械制造公差，使磨损度降低到最低。
- D、带环链葫芦或钢丝绳葫芦的自身高度小，使吊钩靠边距离小，服务区域大。
- E、使高度柔性的扁电缆向小车供电，并具有接地保护功能。

Single beam bridge crane is with attractive price, advanced technology, It is rigid and strong light weight, reducing the crane railload, high ratio of performance to price, superior design, walking characteristics, is your best choice. It can satisfy your requirement, making the work efficient and reliable. Maximum takeoff weight isto tons, the largest span is 30 meters, maximum lifting speed is 40 m/min, trolley speed is 30 m/min, the lifting speed is 12. 5 m/min.

### Advantages and characteristics

- A. computer optimization design of box girder bearing beam.
- B. crane end beam with torsion box structure.
- C. main girder and end girder is connected with the machinery manufacturing tolerances, the wear is reduced to a minimum.
- D. band chain hoist or wire rope hoist height is small, the hook to pull over distance is small, service area.
- E. enables a highly flexible flat cable to the car's power supply, and has the function of earthing protection

# Hoisting Equipment European Style

彬野 / 欧式起重设备

## Single beam suspension crane

### 单梁悬挂起重机

产品名称：单梁悬挂起重机  
型号：LDX  
起重量：0.5-5T  
起升高度：6m,9m,12m,15m,18m  
工作级别：A3,A4,A5  
最大利用空间，提升高度，解决成本



# Single beam suspension crane

## 单梁悬挂起重机

单梁悬挂起重机可以直接安装在现有厂房的屋顶结构上，因而不必再安装起重机轨道，这就可将全部厂房面积用于生产。此外，还可以根据需求只用于厂房部分区域，通过使用侧端悬臂，可使小车的行使范围超出起重机跨距。起重量最大5吨，跨度最大14米，起重机运行速度最大40米/分，小车行走速度最大30米/分，起升速度最大12.5米/分。

### 优势与特征

- A、端梁根据合理结构进行优化设计。
- B、箱型梁作为主梁。
- C、由于主梁末端的独特设计，重物可被快速吊运到离厂房墙面很近的位置。

Single beam suspension crane can be directly installed in the roof structure and the existing workshop, so it is not mounted crane rail, which can be used in the production of all plant area. In addition, can also according to the demand for plant area, through the use of side end of the cantilever, the trolley exercise beyond crane span. Maximum lifting capacity of 5 tons, the largest span is 14 meters, crane's maximum speed is 40 m/min, trolley speed is 30m/min, hoisting speed is 12.5 m/min.

### Advantages and characteristics

- A. end beam according to the reasonable structure optimization design.
- B. box beam as the main girder.
- C. due to the unique design of the main girder ends, weight can be quickly lifted from the workshop wall close to the location of.

# Hoisting Equipment European Style

彬野 / 欧式起重设备

## Double beam bridge crane

## 双梁桥式起重机

产品名称：双梁桥式起重机

型号：LH

起重量：3-50T

起升高度：6m,9m,12m,15m,18m

工作级别：A3,A4,A5

最大利用空间，提升高度，解决成本



# Double beam bridge crane

## 双梁桥式起重机

双梁桥式起重机具有极好自重/载重比。其形状设计合理，从而保证其良好的运行状态并且降低磨损。由于吊钩可以上升到两根主梁之间，故吊升使用高度大幅度提高，根据要求，我们双梁桥式起重机还可选用遥控或驾驶室控制，可作为选项，还可以加装维修走道和小车维修平台，这不仅便于起重机维修保养，还能使维修人员速速而安全地到达厂房的其他设施，如照明设备、暖气或动力管线等。起重重量最大50吨，跨度最大30米，起重机最大运行速度40米/分，小车行走速度最大25米/分，起升速度最大12.5米/分。

### 优势与特征

- A、高性能的工作来自双梁设计以及小车和起重机的高速运行。
- B、自重轻减少投资成本
- C、选装件
  - 可选的维修平台
  - 可选的驾驶室控制

Double beam bridge crane has excellent weight / load ratio. The shape design is reasonable, so as to ensure the good running condition and reduce wear. Because the hook can rise to the two main beams, so the lifting height is greatly improved, according to the requirements, we double beam bridge crane can also choose remote control or a cab, control which is available as an option with, can also be added to repair walkways and car repairing platform, which is not only convenient for crane repair maintenance, repair personnel can make quickly and safety to reach the other plant facilities, such as lighting, heating or power line etc. Maximum lifting capacity is 50 tons, the largest span is 30 meters, the maximum operating speed is 40 m/min crane, trolley speed is 25 m/min, hoisting speed is 12.5 m/min.

### Advantages and characteristics

- A. high performance work from the double beam design and trolley and crane.
- B. light weight reducing investment cost.
- C. optional
  - optional repair platform
  - optional control cab

# Hoisting Equipment European Style

彬野 / 欧式起重设备

## Protal crane

## 门式起重机

产品名称：门式起重机  
起重量：5-100t  
起升高度：6m,9m,12m,15m,18m  
工作级别：A3,A4,A5  
结构稳定，可频繁操作



# Portal crane

## 门式起重机

门式起重机适用于堆场及厂房内无牛腿支撑的场合，形式分为半龙门起重机和龙门式起重机，最大吨位可到100吨。门式起重机易于维护，具有高可靠性和安全性，安装方便，无需改变厂房结构，可以满足物流运输需求。

### 优势与特征

- A、紧凑设计
- B、快速平稳装载
- C、更安全，可靠，采用免维护设计
- D、性能更优良

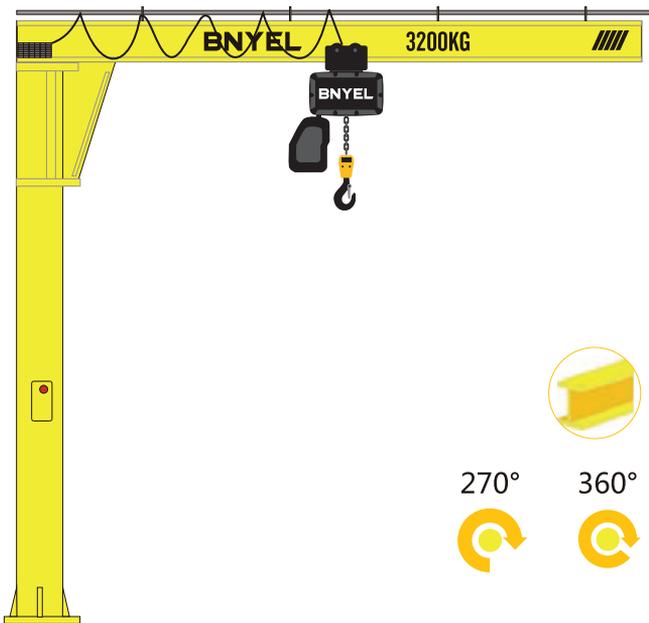
Gantry crane is suitable for the occasions without bracket support yard and workshop, forms is divided into half Longmen crane and Longmen crane, the largest tonnage is 100 tons. Gantry crane is easy to maintain, with high safety and reliability, convenient installation, it is no need to change the plant structure, can meet the demand of logistics delivery.

### Advantages and characteristics

- A. compact design
- B. fast and stable loading
- C. more secure, reliable, the maintenance free design
- D. better performance

# Hoisting Equipment European Style

彬野 / 欧式起重设备



◀ 最大起重量：5,000kg  
The Max Weight：5,000kg  
回转方式：电动  
Rotary Way：Motorized



# Electric jib crane

## 电动悬臂吊起重机

产品名称：电动悬臂吊起重机  
型号：BZD  
起重量：0.5-5T  
旋转角度：180°，270°，360°  
工作级别：A3,A4,A5,A6  
安装简易，移装轻便，小空间操作

### 产品介绍：

电动悬臂吊式旋转采用电动旋转，这样省力、快捷、效率实现产品定位。为了某种工序以及灵活性，悬臂吊的臂可以采用工字钢形式或KBK轨道形式。安装悬臂吊的地面一般为混凝土C20结构，在1T和臂长超过3米，我们一般都采用预埋件方式连接。悬臂起重机提供了对圆形工作区域内良好的工作覆盖，并支持工具平衡器、气动平衡器、真空提升工具和葫芦等，具有高效、节能、省事、占地面积小，易于操作与维修等特点。尤其适用于短距离，使用频繁，密集性吊运作业，它可被安装在任何你能想到的场合，是一种实用的轻型工位吊装设备。

Product name: electric cantilever crane  
Model: BZD

Elevating capacity: 0.5-5T

Rotation angle: 180°，270°，360°

Working classification: A3, A4, A5, A6

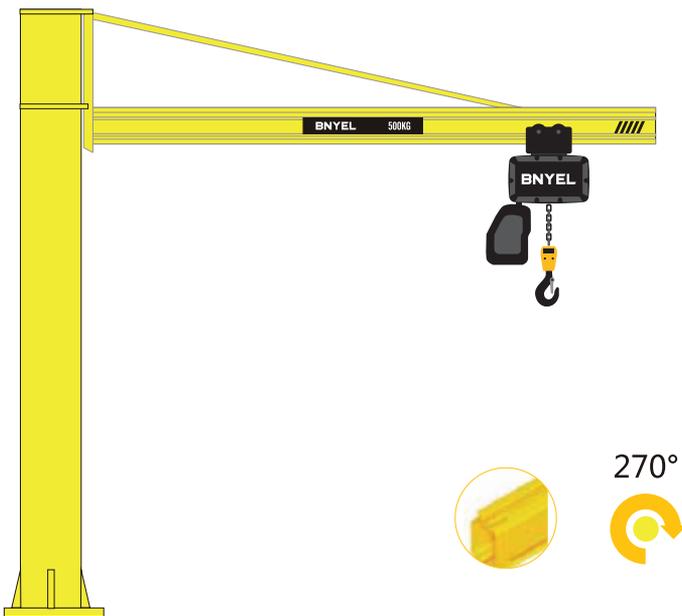
Advantage: easy to install and remove, available in small space operation

### Product introduction:

Rotated by electricity, it can carry out product positioning easily, instantly and high-efficiently. The girdles of it can adopt I-beam steel type or KBK rail type for certain process and flexibility in its use. The ground on which it is to be installed normally adopts C20 concrete structure. We usually adopt pre-embedded connection where the length of 1T and the boom exceed 3 meters. It provides good working coverage in the round working area and supports tool balancer, pneumatic balancer, vacuum lifting tools and hoist. It is characterized by high-efficiency, energy economy, trouble-free, small floor space and easy to operate and maintenance. Especially suitable for short-distance, frequent-use and intensive lifting work, it may be installed wherever you can think of; therefore, it is very useful lightweight lifting equipment.

# Hoisting Equipment European Style

彬野 / 欧式起重设备



270°



◀ 最大起重量：1,000kg  
The Max Weight：1,000kg  
回转方式：手动  
Rotary Way：Manually



# Manual jib crane

## 手动悬臂吊起重机

产品名称：手动悬臂吊起重机  
型号：BZ  
起重量：0.125-1T  
旋转角度：180°，270°  
工作级别：A3,A4,A5  
安装简易，移装轻便，操作灵活

### 产品介绍：

手动悬臂吊是旋转采用手动旋转，通过手拉实现旋转可以更精准定位且操作灵活。为了某种工序以及灵活性，悬臂吊的臂可以采用工字钢形式或KBK轨道形式。安装悬臂吊的地面一般为混凝土C20结构，悬臂起重机提供了对圆形工作区域内良好的工作覆盖，并支持工具平衡器、气动平衡器、真空提升工具和葫芦等，具有高效、节能、省事、占地面积小，易于操作与维修等特点。尤其适用于短距离，使用频繁，密集性吊运作业，它可被安装在任何你能想到的场合，是一种实用的轻型工位吊装设备。

Product name: manual jib crane

Model: BZ

Elevating capacity: 0.125-1T

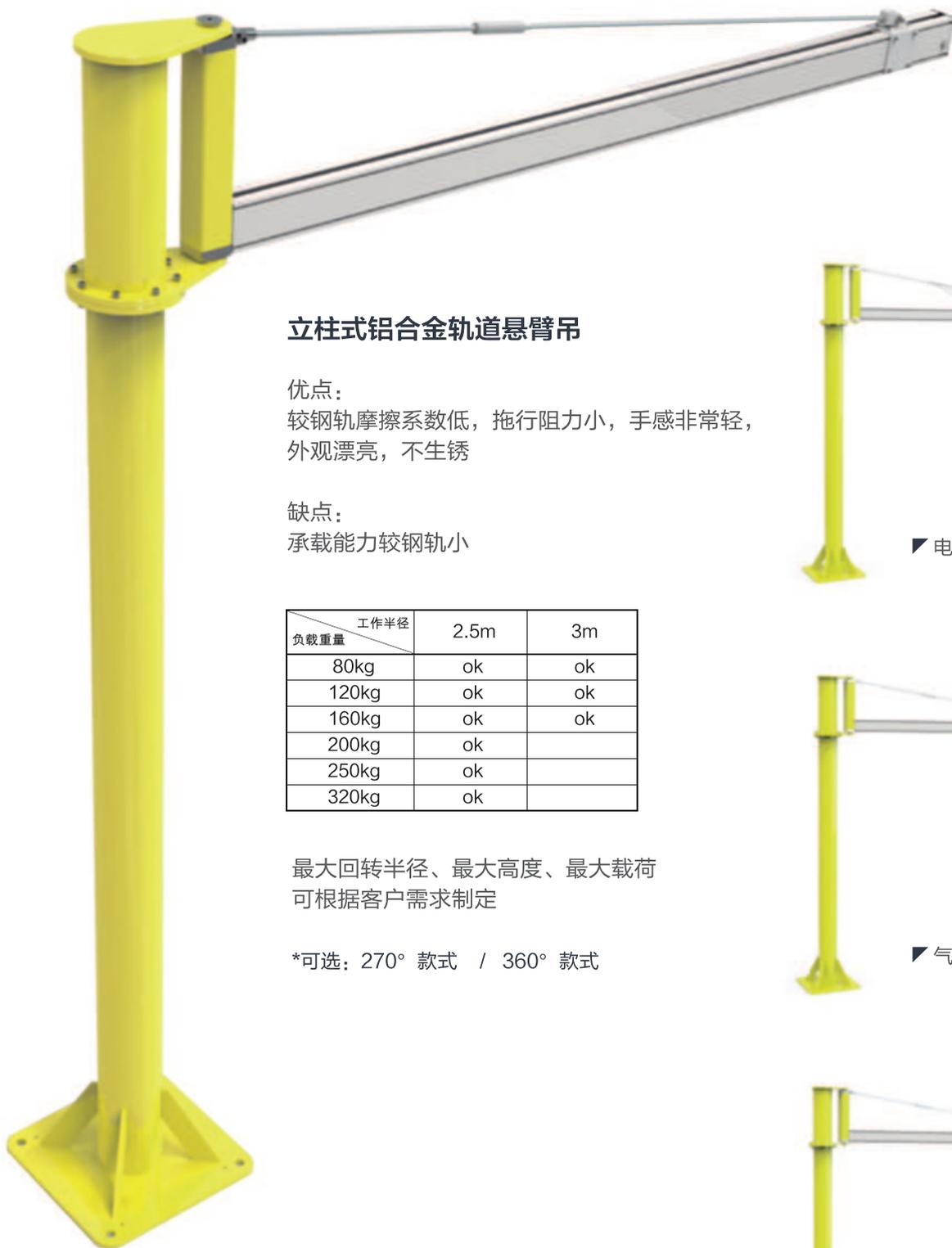
Rotation angle: 180°, 270°

Working classification: A3, A4, A5

Advantage: easy to install and remove, flexible in operation

### Product introduction:

With manual rotation, it can be rotated with hand to allow exact position and flexible operation. The girdles of it can adopt I-beam steel type or KBK rail type for certain process and flexibility in its use. It provides good working coverage in the round working area and supports tool balancer, pneumatic balancer, vacuum lifting tools and hoist. It is characterized by high-efficiency, energy economy, trouble-free, small floor space and easy to operate and maintenance. Especially suitable for short-distance, frequent-use and intensive lifting work, it may be installed wherever you can think of; therefore, it is very useful lightweight lifting equipment.



## 立柱式铝合金轨道悬臂吊

优点：

较钢轨摩擦系数低，拖行阻力小，手感非常轻，外观漂亮，不生锈

缺点：

承载能力较钢轨小

工作半径 负载重量	2.5m	3m
80kg	ok	ok
120kg	ok	ok
160kg	ok	ok
200kg	ok	
250kg	ok	
320kg	ok	

最大回转半径、最大高度、最大载荷  
可根据客户需求制定

\*可选：270° 款式 / 360° 款式



电动助力悬臂吊（软索）



气动助力悬臂吊（软索）



电葫芦悬臂吊（软索）

### 电动助力悬臂吊（软索）

负载范围：0~500kg  
高精度伺服电机驱动  
可全程零重力悬浮  
尤其适应高节拍搬运场合及工件重量变化场合  
节拍：★★★★★  
价位：★★★★



### 气动助力悬臂吊（软索）

负载范围：0~227kg  
只需压缩气源即可工作  
手柄模式可任意位置475mm行程零重力悬浮  
可适应高节拍搬运场合  
可适应工件重量变化场合  
节拍：★★★★★  
价格：★★★★

\*可选配全程零重力悬浮



### 电葫芦悬臂吊（软索）

负载可选范围：0~500kg  
德国进口双速环连葫芦  
广泛应用于普通搬运场合  
免维护质量稳定  
优质低摩擦铝合金导轨替代传统KBK钢轨  
节拍：★★★  
价位：★★



# KBK 单梁和双梁悬挂式起重机

## 1、钢结构承载架构

通用悬臂支撑件

- 也可用于车间房顶和屋顶结构无法承载之处的承载系统
- 规划和结构高度灵活
- 安装特别便捷

## 1、STEEL SUPPORT SUPERSTRUCTURE

Cantilever supports for universal applications:

- Support system can also be used wherever workshop ceilings and roof structures cannot bear loads
- High flexibility for planning and configuration
- Particularly easy assembly

## 3、拖拽电缆

可靠的动力传输：

- 高度灵活且耐寒的扁电缆
- 多种电缆架：
  - 窄小兼顾的塑料滑块
  - 电缆小车顺畅运行

## 3、TRAILING CABLE

Reliable power supply:

- Highly flexible and cold-resistant flat cables
- Various cable carriers:
  - Narrow cable sliders made of tough plastic
  - Smooth-running cable trolleys

## 2、型材

KBK型材提供宽泛、智能分级的选择，大的设计回旋余地：

- 9种KBK钢轨型材，6个型号大小
- 6种KBK铝轨型材，4个型号大小

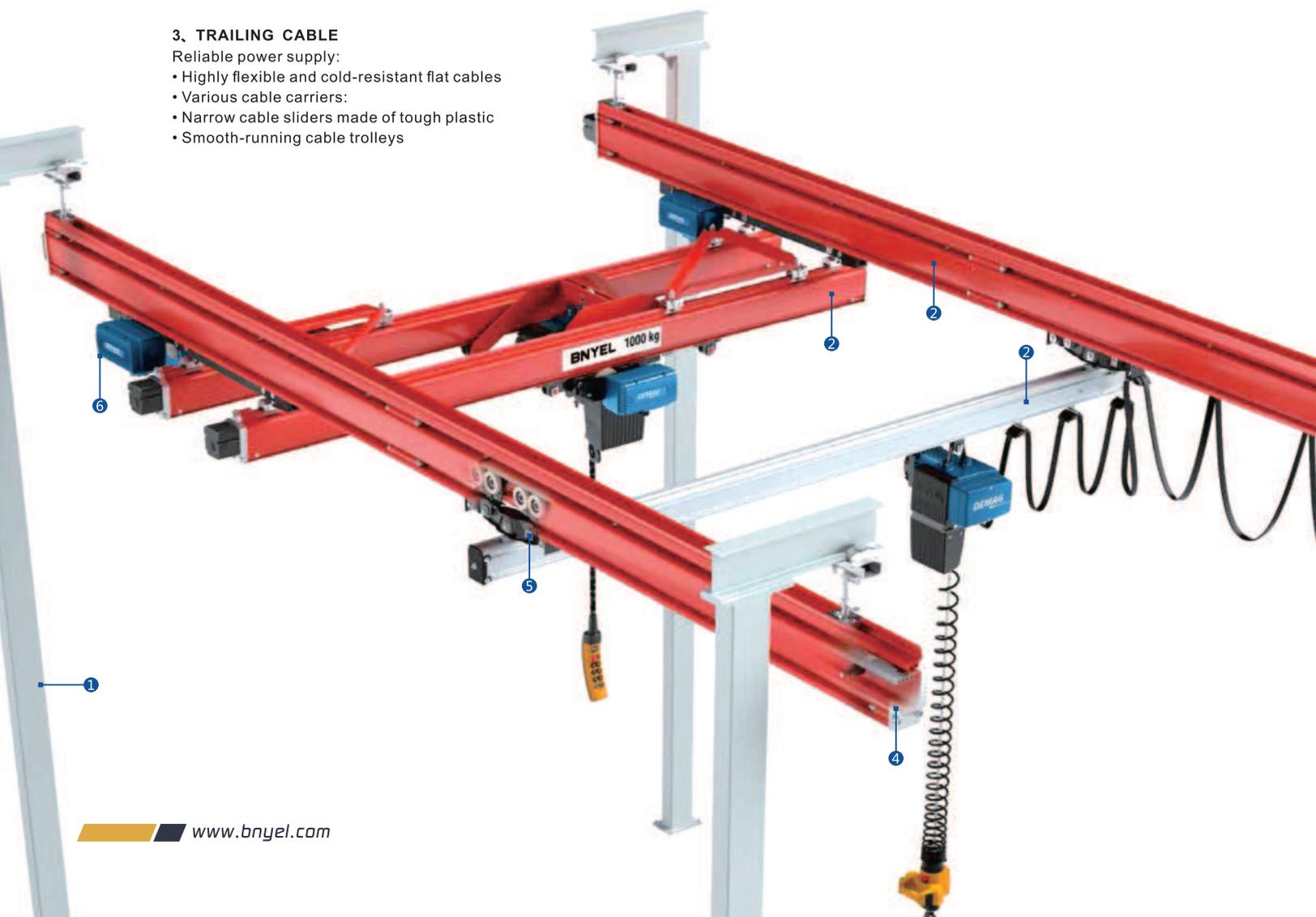
KBK型材坚固耐用，防腐蚀、耐冲击。KBK模块化系统可在一台设备内组合多种轨道。

## 2、PROFILE SECTIONS

Freedom for planning with a broad range of KBK profile sections to meet differing needs:

- 9 KBK steel profile sections in 6 sizes
- 6 KBK aluminium profile sections in 4 sizes

KBK profile sections are tough and highly resistant to corrosion and impacts. The modular KBK system allows different profile sections to be combined in one installation.



# KBK single and double-girder suspension cranes

## 4. 内置滑触线

通过带内置滑触线的轨道进行安全又节省空间的能量传输

- 额外改善了净空尺寸
- 无电缆的设计免去碰撞危险(如与叉车)
- 无需外部额外安装馈电, 使安装时间和费用最小化

## 4. INTEGRATED CONDUCTOR LINE

Safe and space-saving power supply via profile sections with integrated conductor line:

- Additional headroom gain
- No risk of collisions (e.g. with forklifts) thanks to lack of cables
- Additional external power supply fittings not required, which minimises assembly times and costs

## 5. KBK小车

小车能在整个使用寿命期间顺畅运行, 并确保最小的滚动阻力

- 配备滚动轴承、持久润滑的尼龙行走轮降低了噪音, 使运行安静顺畅。
- 极为有效的缓冲作用使滚轮免保养
- 自重轻, 设计紧凑。

## 5. KBK TROLLEYS

Excellent smooth-running performance and minimum rolling resistance over their entire service life:

- Quiet and smooth operation thanks to plastic wheels that are mounted in anti-friction bearings and lubricated for life
- Maintenance-free travel wheels with effective shock absorption
- Compact design with low deadweight

## 6. 行走驱动

推荐用于高载荷和复杂的设备:

- 电动和气动设计
- 通过高摩擦系数的大摩擦轮安全传递驱动扭矩
- 牵引力大: 行走驱动和轨道之间的动力啮合与载荷的位置和重量无关
- 驱动具有噪声低的行走特性

## 6. TRAVEL DRIVES

Recommended for use with heavy loads and complex installations:

- Electric and pneumatic variants
- Large friction wheels that have a high friction coefficient ensure reliable transmission of drive torque
- High traction: connection between travel drive and track does not depend on position and weight of the load
- Quiet-running drives



KBK 钢轨型号 / KBK steel profile sections



KBK 铝轨型号 / KBK Aluline profile sections



# KBK 挂式单轨吊

## 1、钢结构承载架构

带龙门钢结构的造型：

- 也可用于车间房顶和屋顶结构无法承载之处的承载系统
- 规划和结构高度灵活

## 1、STEEL SUPPORT SUPERSTRUCTURE

Portal steel superstructure:

- Support system can also be used wherever workshop ceilings and roof structures cannot bear loads
- High flexibility for planning and configuration

## 2、弯轨

适合载荷转弯运输、设计精确的解决方案

- 角度可在10°到90°之间

## 2、CURVED SECTION

Precisely engineered solutions for transporting loads through curves

- Angles between 10° and 90° possible

## 3、转盘

适合方向变换90°的紧凑型设计：

- 内置机械保护装置，防止小车在转向过程中驶入或驶出
- 可选择手动或通电调整运输方向
- 可接入半自动或全自动控制系统

## 3、TURNTABLE

Compact design for changing direction through 90°:

- Integrated mechanical locking devices prevent trolleys from entering or leaving the turntable section while it is turning
- Manual or electric options to change the direction of travel
- Can be integrated into semi- or fully automatic control systems

## 4、道岔

用于分开和合并轨道：

- 封闭紧凑的结构
- 可选择手动、电动或启动调节输送方向
- 可接入半自动或全自动控制系统

## 4、TRACK SWITCH

For separating and merging tracks:

- Enclosed, compact design
- Manual, electric or pneumatic options to change the direction of travel
- Can be integrated into semi- or fully automatic control systems

## 5、小车

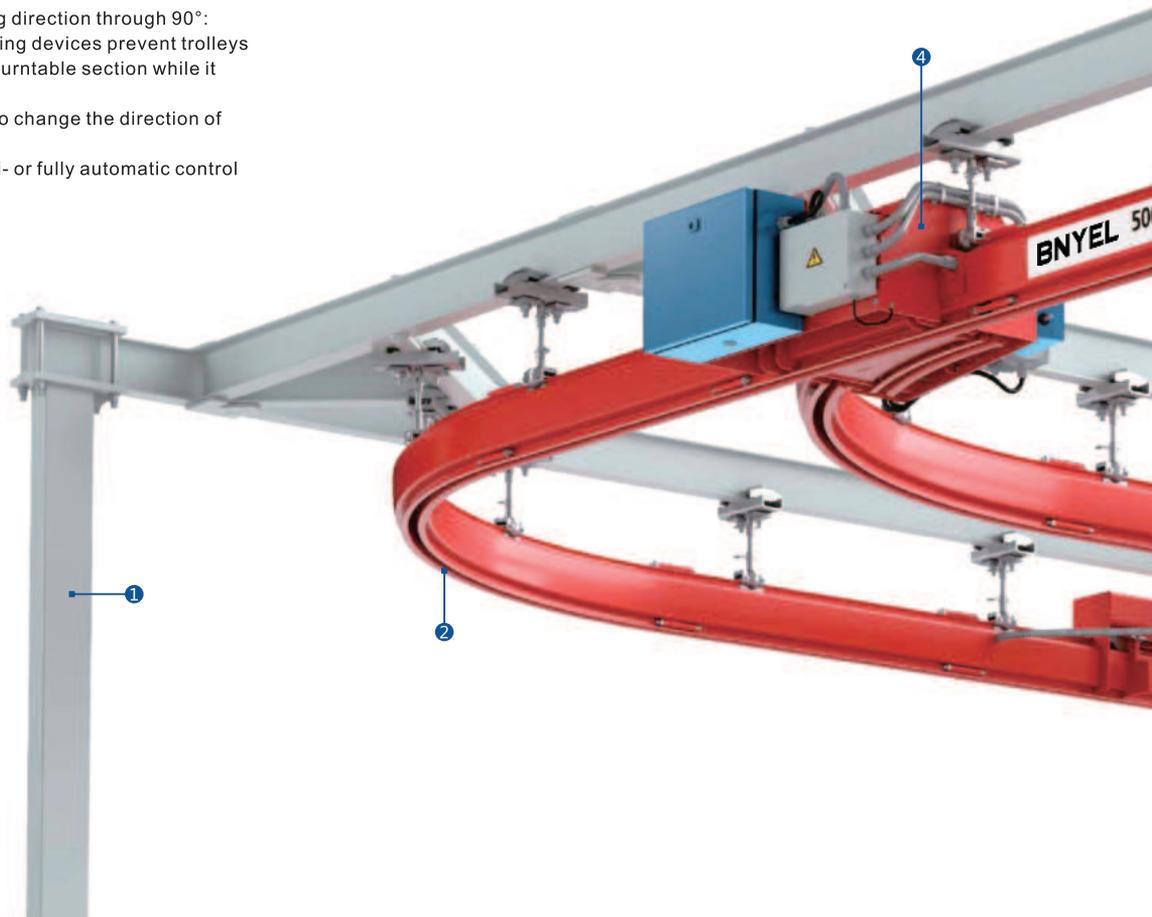
电动行走，带摩擦轮行走驱动

- 定位精准、搬运快速

## 5、TRAVELLING HOIST

Electric travel with friction wheel travel drive:

- Precise positioning and fast handling



# KBK suspension monorail

## 6. 带延长部分的扩展件

节约保养与维修的时间和成本

- 快捷地安装和拆卸小车单元
- 延长部分可用作安装口
- 在封闭状态下满载小车可通行，因此可以在最佳的位置集成至轨道

## 6. MAINTENANCE RAIL WITH PULL-OUT SECTION

Saves time and costs for maintenance and repairs:

- Simple installation and removal of travel units
- Pull-out section can be used as an assembly opening
- A fully loaded trolley can travel through it when closed, allowing integration at the optimum position in the track

## 7. 内置滑触线

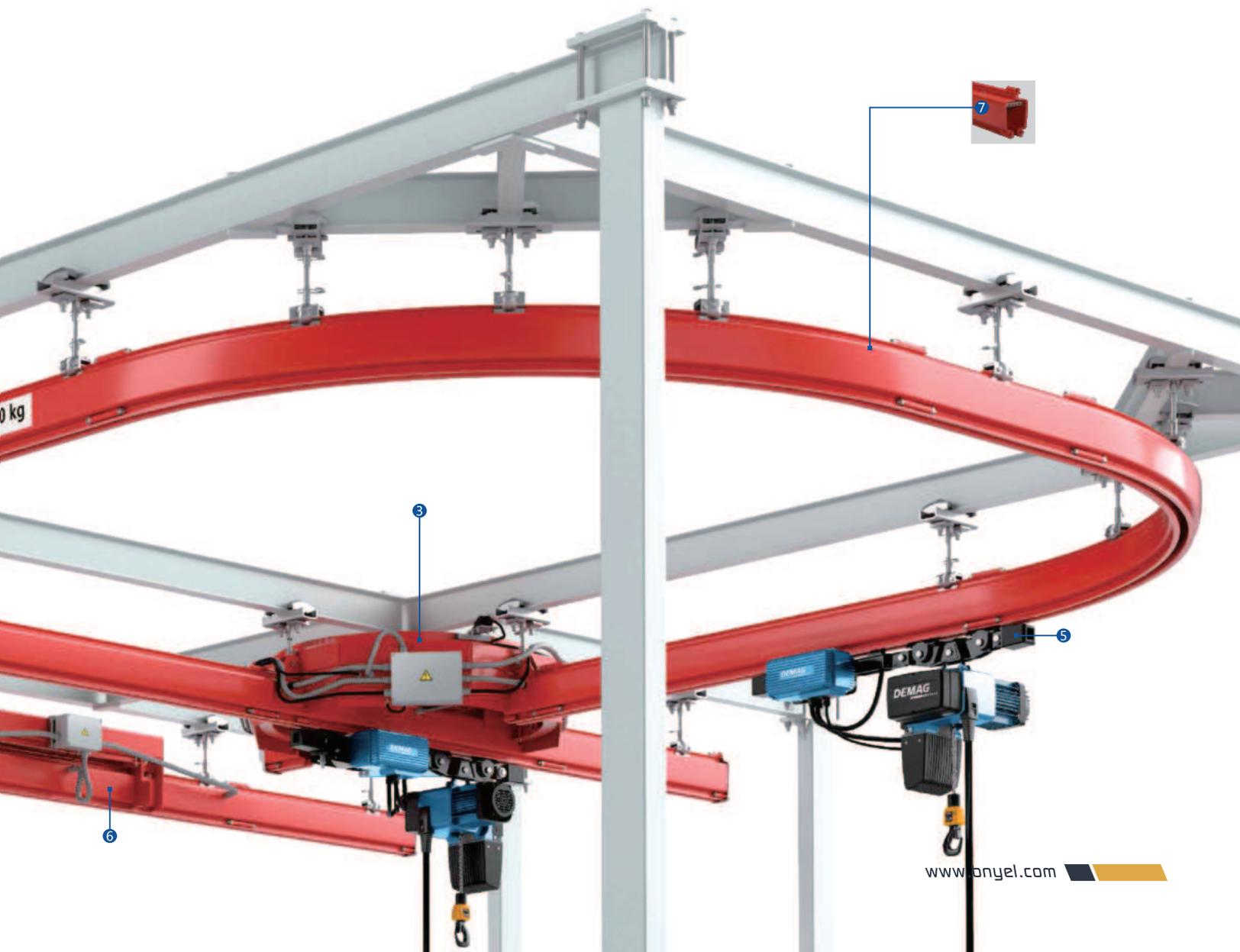
也可为布局复杂的单轨轨道供电

- 型材中最多可内置八条滑触线
- 供电可靠，无外部干扰

## 7. INTEGRATED CONDUCTOR LINE

Power supply arrangement for suspension monorails also with complex layouts:

- Up to eight conductors integrated in the profile section
- Reliable power supply without any external interference contours



# 铝合金轨道系统

## 1、吊点

安全承受向上的力：

- 刚性结构通过橡胶阻尼传递力到上部结构
- 高度调节可精确到毫米
- 是机械手、提升轴、悬伸式起重机或偏载载荷应用的不二之选

## 1、SUSPENSIONS

Safely accommodate kick-up forces:

- Rigid design to transfer forces to the superstructure via rubber damping elements
- Height adjustment with millimetre precision
- Ideally suited for applications with manipulators, lifting devices, extending cranes or offset loads

## 2、端盖

易于安装的轨道端盖

- 配合精密的阻尼元件，适合任何应用：橡胶或纤维缓冲器、以及减震器

## 2、END CAPS

Easily installed track end cap:

- Precise damping elements for every application: rubber or cellular foam buffers and shock absorbers

## 3、小车

即使在高运行速度下，也能实现完美顺畅的运行和精准的定位：

- 通过标配的侧面导向滚轮实现顺畅运行
- 反压滚轮用于承受向上的力，可通过偏心管接头调整
- 万用螺栓连接，用于连接客户方的搬运解决方案

## 3、TROLLEYS

Optimum travel characteristics and high positioning accuracy also at high operating speeds:

- Smooth travel thanks to lateral guide rollers fitted as standard
- Counter-pressure roller to accommodate kick-up forces, can be adjusted via eccentric fitting
- Universal bolted connection to attach customer-specific handling solutions



# Aluminum alloy rail system



#### 4、起重机端梁

高系统刚度的特殊端梁设计：

- 轻量化的结构
- 定位精度提高
- 最佳的载荷分配
- 配备Ergo小车

#### 4、CRANE END CARRIAGES

Special end carriage design offering high system rigidity:

- Light-weight design
- Improved positioning accuracy
- Optimum load distribution
- Equipped with Ergo trolleys

#### 5、铝轨供电端盖

- 为带内置滑触线的KBK铝轨A18-R和A22-R供电

#### 5、ALULINE POWERFEED END CAP

- Powerfeed arrangement for KBK Aluline A18-R and A22-R profile sections with internal conductors

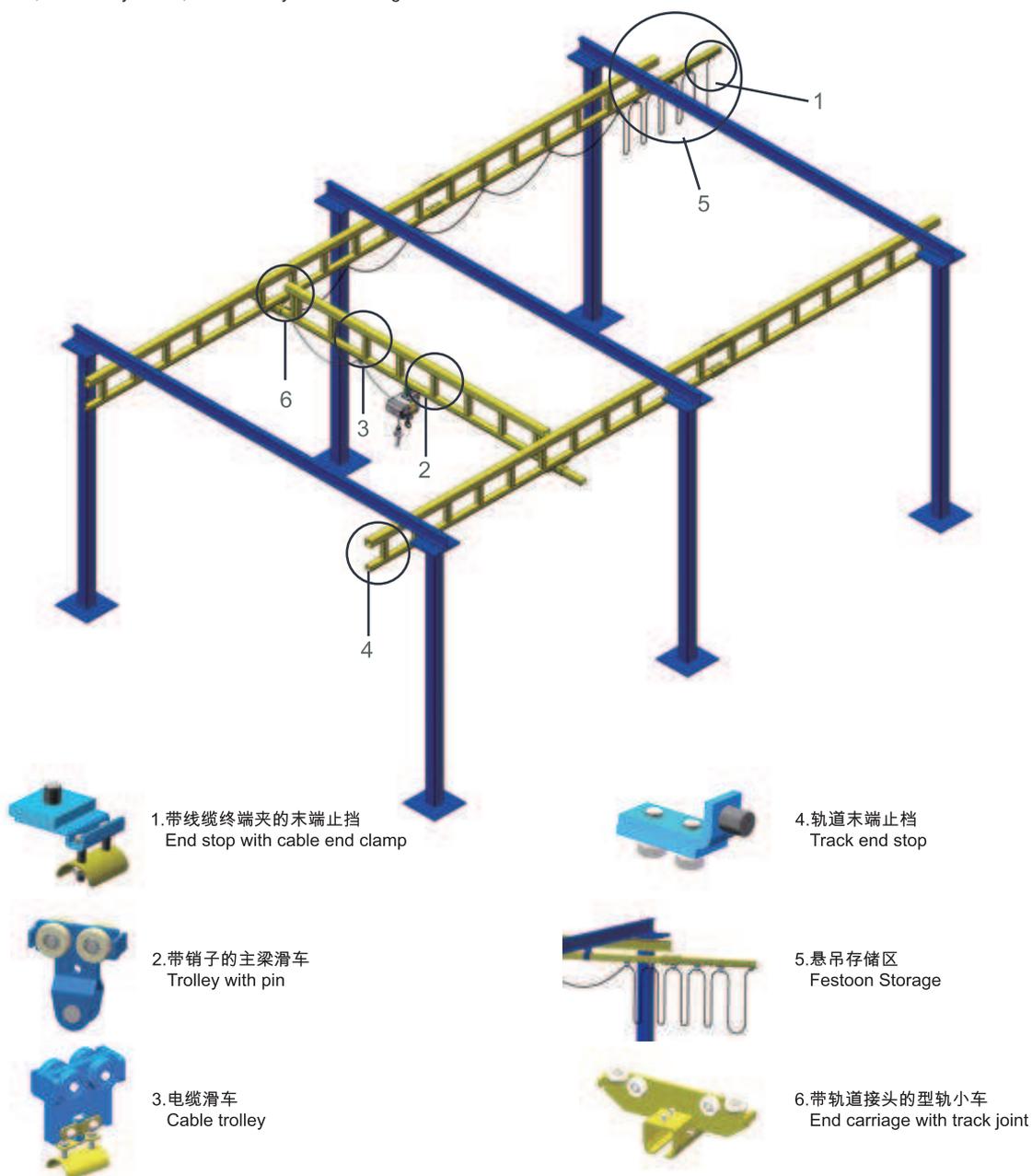
# Rigid crane system

## 刚性轨道系统

彬野轻载起重机系统为传统的悬挂起重系统提供符合人体工程学以及具有成本效益的解决方案，尤其是那些对于高度和空间都受限的应用中。彬野模块化的设计，可以在大量的实际应用中实现多功能多样化且安全可靠的悬挂输送方案。坚固耐用的设计能力以及高标准的制造要求确保了超长使用寿命以及低维护次数。

我们的产品系列包含：滑动门系统、悬挂输送系统、电缆悬吊系统、防坠落制动系统以及轻载起重机系统。

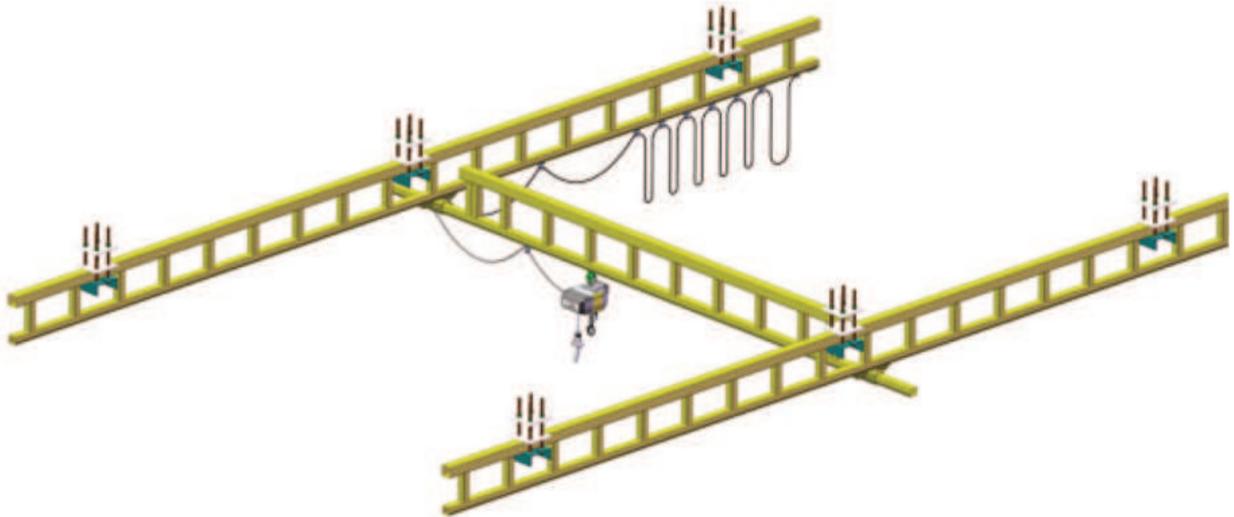
Bnyel Light Crane System provides an ergonomic and cost effective solution to conventional overhead crane systems particularly when there is a height and space restriction. Versatile and reliable overhead handling can be achieved for a variety of applications using the Bnyel modular design. The robust design of our components and the high standard of manufacturing guarantees long life with the minimum of maintenance. Our program range consists of sliding door fittings, overhead conveyor systems, festoon systems, fall arrest systems and light cranes.



## 采用桁架式轨道的悬挂式起重机 Ceiling Mounted Crane with Reinforced Long Travel

当顶部吊装钢结构受限时，可采用桁架式轨道以便减少吊点的数量。

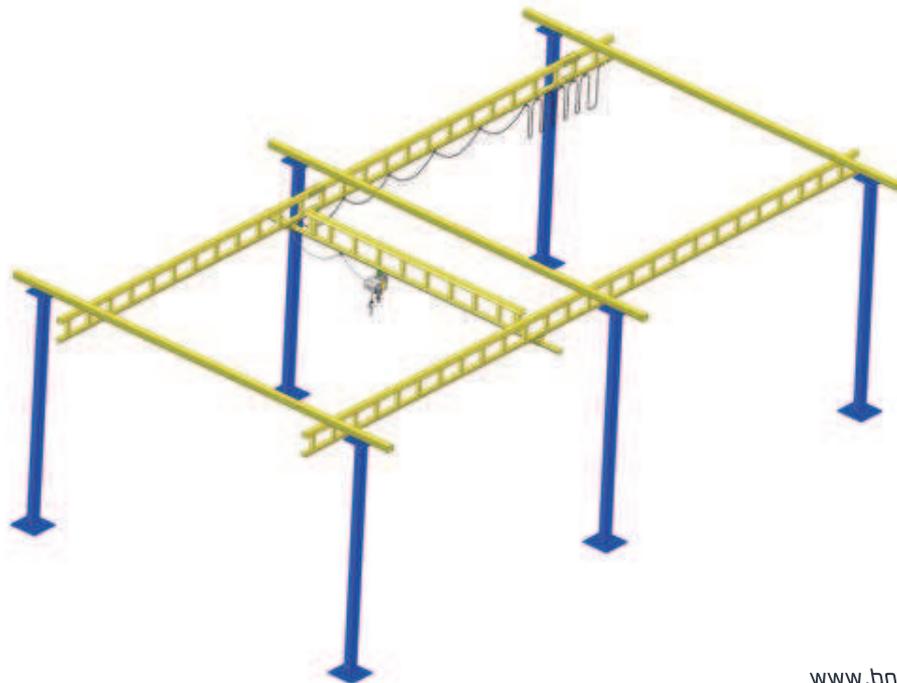
In the case where the overhead steel structure is limited, reinforced track profiles can be used to minimise the supporting points required.



## 采用桁架式轨道的自立式起重机 Floor mounted crane with reinforced long travel tracks

采用桁架式轨道可以增加支撑吊点间距，因此不需要安装型轨顶部相平行的工字钢。这种情况下安装也简便了很多，节约了安装时间。

By using reinforced track profiles in the long travel the support distance can be increased rendering the I beams along the track profiles unnecessary. This way installation time is also minimised.



# Booster manipulator

## 助力机械手

### 立柱式助力机械手(气动硬臂)

气动助力机械手：靠压缩空气驱动主平衡气缸与工件的重力达到平衡，使得工件在空中形成一种类似零重力的悬浮状态，在悬浮状态下，操作者可以轻松自如的将工件搬运至行程范围内任意位置或悬停在任意高度。

常规负载范围15~300kg，工作半径1.5~3m范围内。

### Handcolumntypeboostermanipulator(pneumaticstiffarm)

Pneumatic manipulator: driven by compressed air, it achieves a balance between main balance cylinder and the force of gravity of a workpiece. Thus the workpiece is kept in suspension with zero force of gravity in the air, and as such, the operator can easily carry the workpiece to any position within the travel range or suspend it at any height.

Normal loading: 15-300kg

Working radius: 1.5-3m



### 倒挂式助力机械手(气动硬臂)

优点：

倒挂式气动硬臂助力机械手，相比立柱式节省地面空间，避免固定式安装立柱阻碍车间通行力。倒挂式既可以固定安装也可以配置轨道安装，配置轨道可以大大拓展助力机械手的覆盖范围

缺点：

相比立柱式固定地面安装方式施工难度大。

### Overhangtypeboostermanipulator(pneumaticstiffarm)

Advantage:

compared with hand column type, it saves the ground space, and avoid fixed column in the way of traffic in the workshop. It can be fixed or installed with rail track. The rail track permits greatly expansion the coverage of the booster manipulator.

Disadvantage:

Compared with hand column type, it will be more difficult in its operation.



## 立柱式助力机械手(电动软索)

电动软索助力机械手：靠伺服电机驱动卷扬机构与工件的重力达到平衡，使得工件在空中形成一种类似零重力的悬浮状态，在悬浮状态下，操作者可以轻松自如的将工件搬运至行程范围内任意位置或悬停在任意高度。

常规负载范围15~600kg，工作半径1.5~3.5m范围内。

### Hand column type booster manipulator (electric flexible cable)

Electric soft cable type booster manipulator: driven by servo motor, it achieves a balance between hosting mechanism and the force of gravity of a workpiece. Thus the workpiece is kept in suspension with zero force of gravity in the air, and as such, the operator can easily carry the workpiece to any position within the travel range or suspend it at any height.

Normal loading: 15-600kg

Working radius: 1.5-3.5m



## 立柱式助力机械手(气动软索)

气动软索助力机械手：靠压缩空气驱动主平衡气缸与工件的重力达到平衡，使得工件在空中形成一种类似零重力的悬浮状态，在悬浮状态下，操作者可以轻松自如的将工件搬运至行程范围内任意位置或悬停在任意高度。

常规负载范围15~120kg，工作半径1.5~3.5m范围内。

### Hand column type booster manipulator (pneumatic flexible cable)

Pneumatic flexible cable type manipulator: driven by compressed air, it achieves a balance between main balance cylinder and the force of gravity of a workpiece. Thus the workpiece is kept in suspension with zero force of gravity in the air, and as such, the operator can easily carry the workpiece to any position within the travel range or suspend it at any height.

Normal loading: 15-120kg

Working radius: 1.5-3.5m

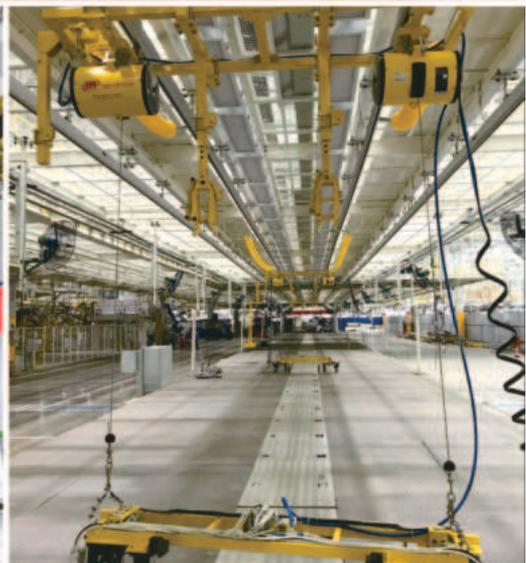


# Case demonstration

## 案例展示









部分客户  
Some customers



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