

让更多人用上好设备
Provide good cranes to more people

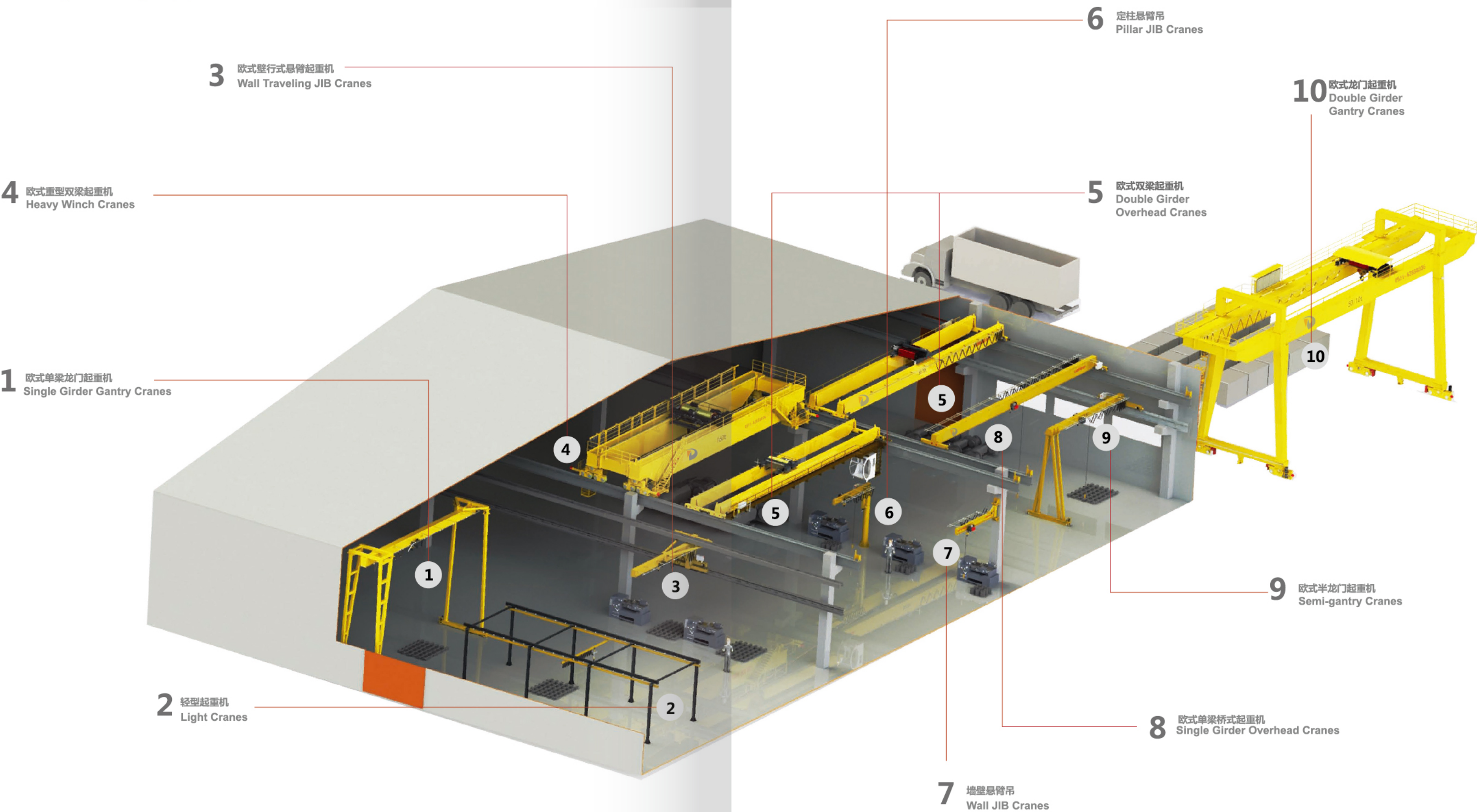


安徽鼎亚起重机械有限公司
ANHUI DINGYA CRANE CO., LTD

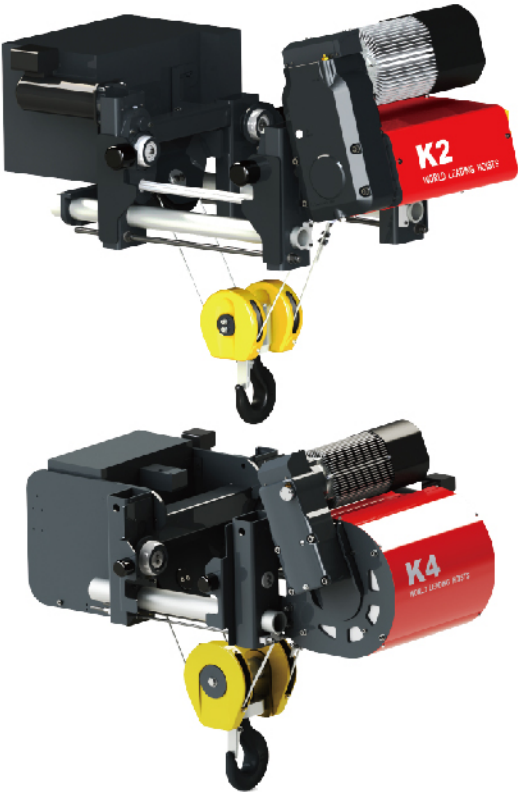
地址：安徽省合肥市庐阳区阜阳北路948号
ADD: 948# Fuyang North Road, Hefei, Anhui
电话/TEL: +86 15357711303
网址/Web: www.dingya-crane.com

安徽鼎亚起重机械有限公司
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起重机应用
Safety Lifting Application



标准单梁起升机构 Single Girder Hoist



起重量 SWL (t) 起升高度 HOL (m) 工作等级 Class
0.8t~32t 0m~60m M5~M6

0.8t-32t ■ 标准单梁起升机构 Single girder hoist

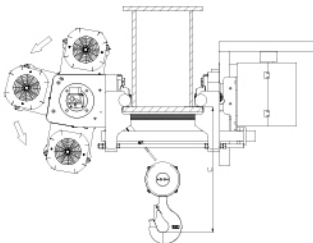
- | | |
|---|--|
| 独特C型结构
C-type structure | 电磁盘式制动器，防尘
Electromagnetic disk brake, dust proof |
| 烤漆工艺
Paint-drying | 不漏油，自调式刹车
No oil leakage, self-adjustable brake |
| 变频无级调速
Stepless control | 高强镀锌钢丝绳
Heavy duty galvanized wire rope |
| 硬齿面减速机
Harden gear | 紧凑型优化设计
FEM/DIN/ISO standard design |
| 防护等级IP55 H级绝缘
Ingress protection class IP55 / H insulation | 节能、低碳、环保
Saving power, low carbon, environmental |
| 重级制电机，负载持续率60%ED
Heavy duty motor, 60%ED rating | 免维护
Maintenance free |

■ 标准净空起升机构 Normal headroom hoist



■ 低净空 Low headroom

吊钩中心距离主梁底面的最小距离 (C尺寸) 更小
Smaller minimum distance
Size C : From the hook center to the girder bottom



■ 独特C型结构 C-type structure



柔性钢丝绳固定端
Rotatable rope anchorage



花键式浮动轴
Spline shaft

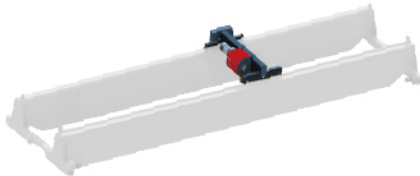
标准双梁起升机构 DOUBLE GIRDER HOIST



起重量 SWL(t) 起升高度 HOL(m) 工作等级 Class
3.2t-80t 0m-90m M4-M6

3.2t-80t

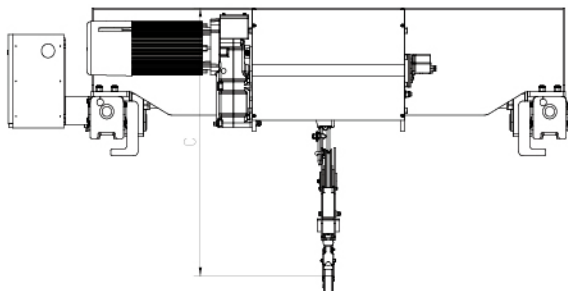
■ 标准双梁起升机构 Double girder hoist



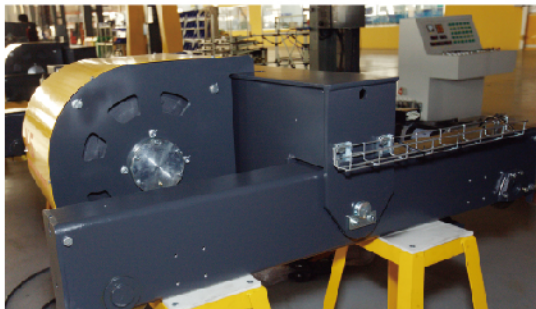
- | | |
|---|--|
| 柔性小车
Flexible trolley | 电磁盘式制动器，防尘
Electromagnetic disk brake, dust proof |
| 烤漆工艺
Paint-drying | 不漏油，自调式刹车
No oil leakage, self-adjustable brake |
| 变频无级调速
Stepless control | 高强镀锌钢丝绳
Heavy duty galvanized wire rope |
| 硬齿面减速机
Harden gear | 紧凑型优化设计
FEM/DIN/ISO standard design |
| 防护等级IP55 H级绝缘
Ingress protection class IP55 / H insulation | 节能、低碳、环保
Saving power, low carbon, environmental |
| 重级制电机，负载持续率60%ED
Heavy duty motor, 60%ED rating | 免维护
Maintenance free |

低净空 Low headroom

吊钩中心距离平衡梁顶部的最小距离 (C尺寸) 更小
Smaller minimum distance
Size C: From the hook center to the beam top



柔性小车
The flexible trolley



电机防坠落
Trolley motor locker
双梁小车防坠落装置
Anti-fall device for trolley

卷扬起升机构

Winch lifting mechanism

起重量SWL(t) 起升高度HOL(m) 工作级别Class
5t~500t 0m~160m M3~M8

欧式低净空设计、高度矮、自重轻、节约建筑成本
FEM/DIN/ISO standard,space saving

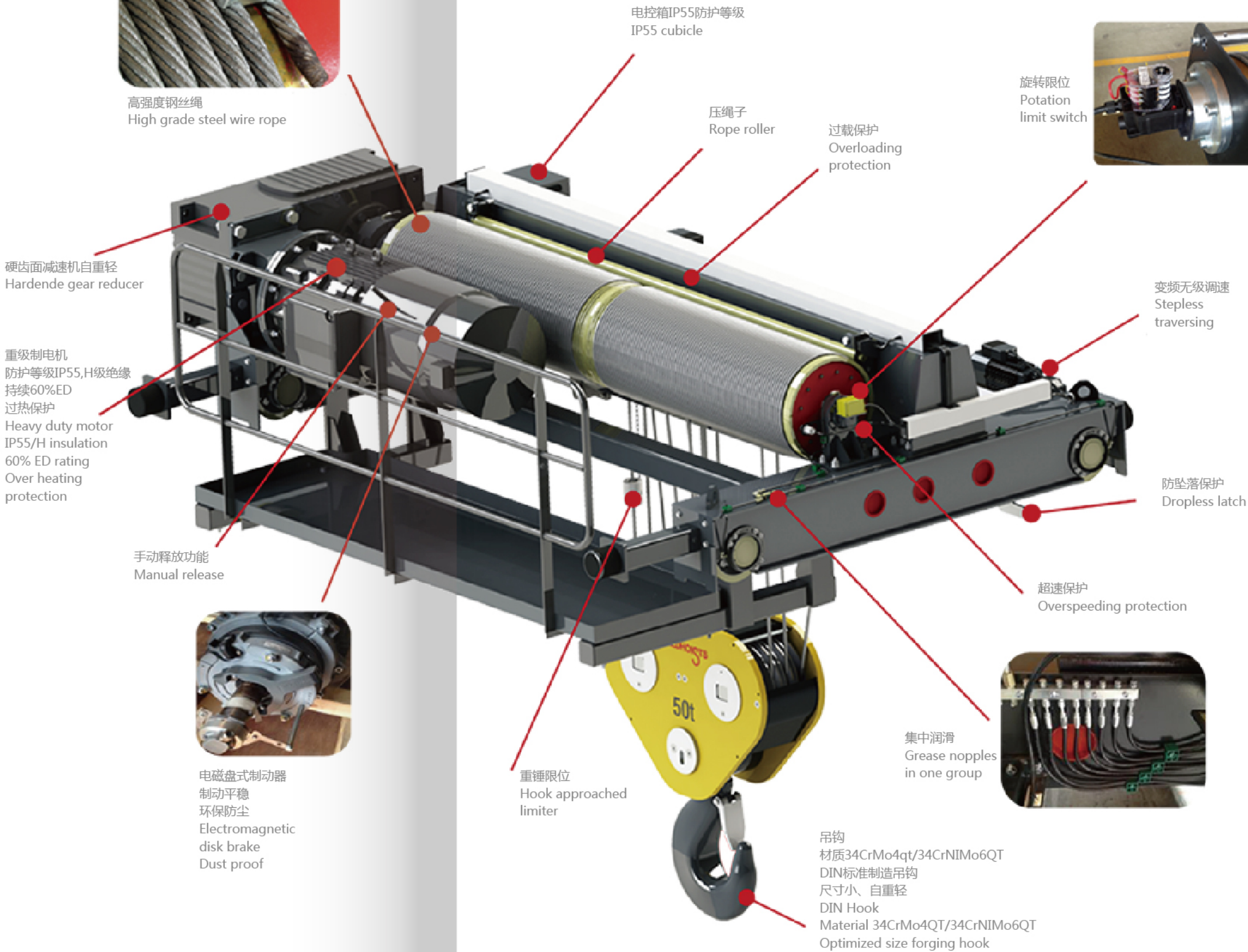
柔性驱动，内应力小、效率高、静音
Flexible transmission, smooth&silent running

智能控制，自动化解决方案
Automation application

节能、低碳、免维护
Saving power,low carbon,maintenance free



高强度钢丝绳
High grade steel wire rope

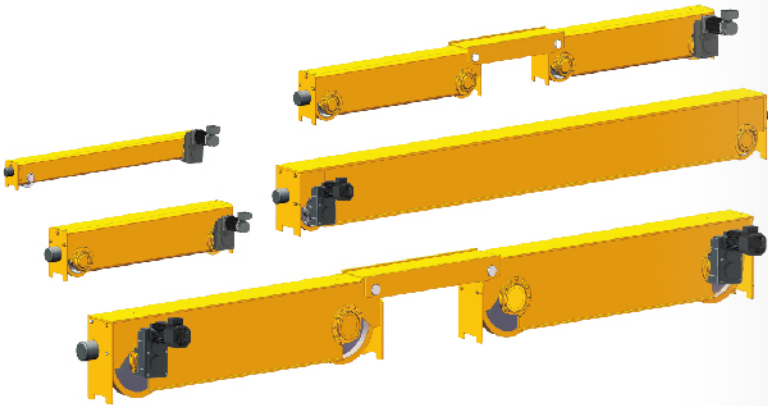


电磁盘式制动器
制动平稳
环保防尘
Electromagnetic disk brake
Dust proof

欧式端梁 INTEGRATED END CARRIAGE

■ 直驱端梁 Driving unit

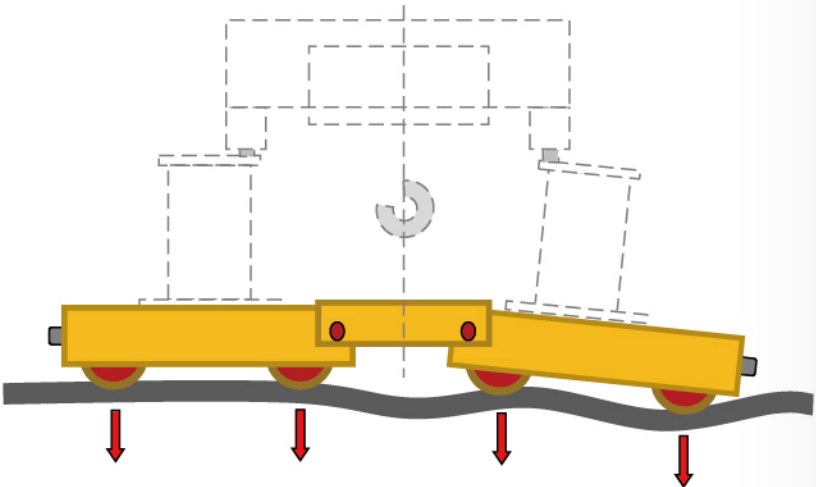
模块化直驱式端梁
 Integrated end carriage
 精度高 体积小 传动效率高 运行平稳
 Modular end carriage direct driving
 降低轮压
 Reduce wheel pressure
 欧式直驱设计
 European driving design



标准连接 Standard connection	侧连接 Side connection	中连接 Medium connection

■ 柔性端梁 Flexible end carriage

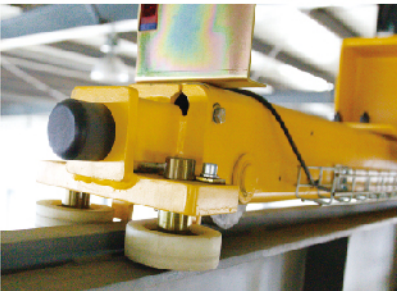
柔性连接，运行平稳
 消除三条腿
 Flexible joint,
 smoothly running



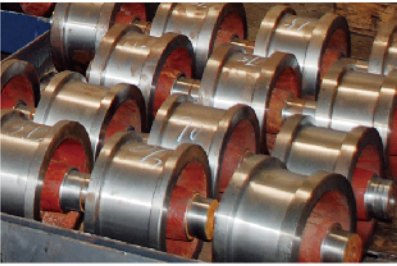
■ 大吨位端梁 Heavy end carriage



平轮-半门吊专用
 Flat wheel for semi-gantry
 导向轮-大跨度起重机专用防止跑偏
 Guide wheel for big-span crane
 avoid running deviation



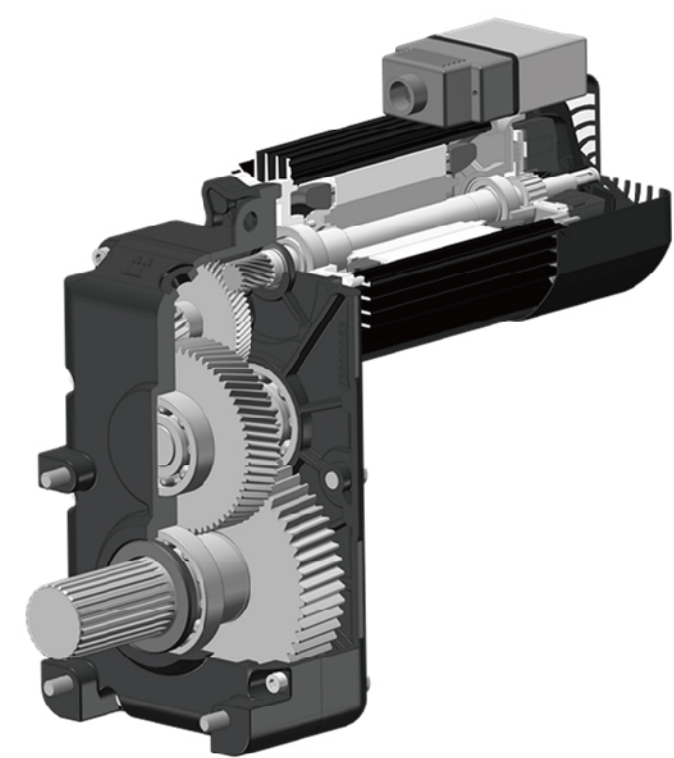
标准端梁
 Normal end carriage
 球墨铸铁车轮
 Ductile wheel



合金锻造车轮-42CrMo
 Forging wheel-Aloy
 steel 42CrMo
 车轮调节装置，调节范围±3mm
 对车间变形或轨道偏差有效补偿
 Adjustable vertical inclination
 and horizontal divergence



起重机三合一驱动 GEARMOTOR



IP55 60%ED / H Insulation

优化结构布局：
Optimize the layout structure
电机 + 制动器 + 减速箱三合一集成化设计，结构紧凑
Motor + brake + gearbox three integrated design, rational use of space, compact structure

■ 起重机三合一驱动 Gearmotor

- 变频调速
Stepless travelling
- 鼠笼式异步电机 3000转
Squirrel-cage, synchronous speed 3000 rpm
- 重级制，负载持续率 60%ED, IP55 H 级绝缘
Heavy duty 60% ED rating, IP55 / H insulation
- 电磁盘式制动器
Electromagnetic disc brake
- 密封，紧凑
Totally enclosed compact gearbox
- 硬齿面，静音设计
Silent running with hardened gear wheels
- 半油脂润滑，免维护
Semi-fluid grease lubrication for service life

制动器 Brake



行走减速箱 Gearbox



电机 Travelling motor



三合一驱动 Gearmotor



主要部件 MAIN PARTS

■ 起升电机 Lifting motor

- 鼠笼式异步电机
Asynchronous motors synchronous
- 同步转速3000/500 rpm(50Hz)
Speed 3000/ 500rpm (50HZ)
- 重级制，负载持续率 60%ED
Heavy duty 60% ED rating
- 过热保护 IP55 H 级绝缘
Over heating / IP55 / H insulation
- 优化风冷
Optimum cooling / Cut off(170°C)



■ 起升减速机 Lifting gearbox

- 静音设计 Silent running
- 硬齿面 Hardened gear
- 侧挂式柔性结构，内应力小，传动效率高
Optimized transmission, higher efficiency
- 全密封，紧凑型
Totally enclosed, compact
- 半油脂润滑，免维护
Semi-fluid grease, service life



■ 起升制动器 Lifting brake

- 电磁盘式制动器
Electromagnetic disc brake
- 单独直流供电
DC power supply
- 自调式刹车片，免维护
No adjusting for brake lining
- 全密封，防尘
Dust proof
- 制动平稳，重级制
Heavy duty



■ 吊钩 Hook

- DIN标高强吊钩
材质 Material 34CrMo4QT/34CrNiMo6QT
DIN Standard forging hook
Optimized size
- 体积小
Small in size
- 强度高
High strength
- 有效提升起升高度
More effective lifting height



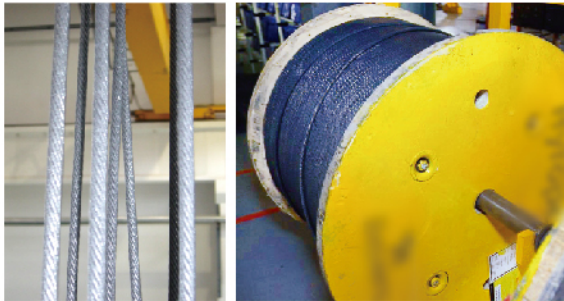
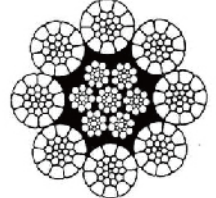
■ 关节导绳器 Chaining Rope Guider

- 工程尼龙韧性好，耐磨，不易断裂
Nelon material, higher ductility, longer guider life
- 只需加减关节，适配不同卷筒直径
Fitting with drum range
- 对钢丝绳、卷筒几乎没有磨损，延长寿命
Even no wearing, longer drum and rope life
- 拆装方便
Easier assembling



■ 高强度钢丝绳 High grade steel wire rope

- 抗拉强度高 2160 N/mm²
High stress 2160 N/mm²
- 镀锌防锈，免维护
Galvanized, maintenance free
- 面接触，耐磨
Plane contacting wire, wearable



电控系统 CONTROL SYSTEM

■ 电控箱 Crane panel



■ 智能安全监控器 Intelligent safety monitoring system

实时、自动监控起重机30多项安全指标
Real time monitoring over 30 safety items

计算起升机构剩余安全工作周期
Hoist safe working Period counter (SWP%)

累计起升工作时间
Lifting running time counter

累计超载次数
Overloading counter

累计起升电机启动次数
Motor starts counter

起升电机过热保护及报警
Overheating protection

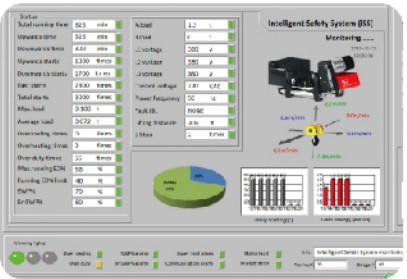
过载保护及报警
Overload protection

刹车片厚度报警
Brake-wear supervision

远程通讯
Ethernet/4G remote access



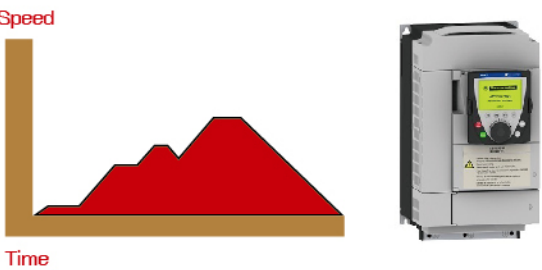
智能触摸屏人机界面终端
Touch screen HMI terminal



■ 变频器 Inverter

启动、变速、停止更加稳定, 有效抑制吊钩摇摆
Smoothly starting, moving, stop, less of hook swaying

降低能耗, 节电
Higher transmission efficiency, lower power

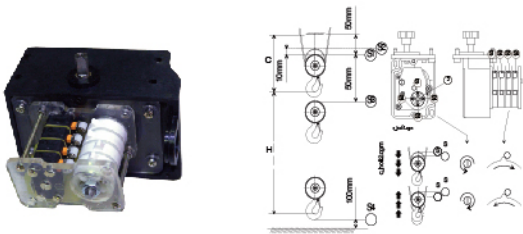


■ 起升限位 Limit switch

可编程4级起升限位
4 fully adjustable switching points

错相保护
Phase fault protection

下限位、上减速限位、上限位、上极限限位
Lower, slow-down, upper, top



■ 小车供电系统 Trolley fastoon

适合移动供电寿命长
Reliable power supply Long life



■ 防摇摆/人机交互/远程控制 E Anti-sway system/HMI/Remote access via ethernet



■ 手电门 Remote control

防护等级IP65
Protection class IP65



■ 驾驶室 Cabin control



欧式单梁桥式（悬挂）起重机 Single Girder Overhead (Under Running) Cranes

优化设计、自重轻，轮压小，高度矮，硬齿面柔性驱动，紧凑型结构；变频控制，运行平稳；
实时安全监控，确保吊运安全；更多便捷拓展功能详见配置表。
Excellent design, Impact frame; Stepless control, Smoothly running;
Safety monitoring; More expand functions.



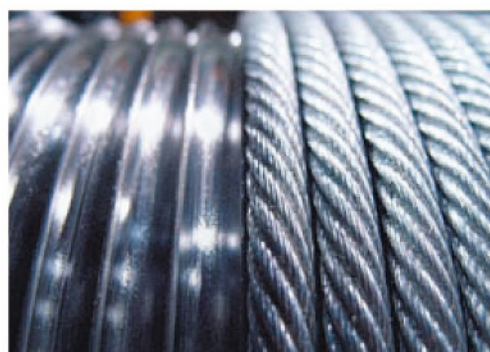
形式多样，满足不同需求；运行平稳，操作方便。
Complete solution for workstations,
Smoothly running, Easily operating.



组合式起重机 Workstation

定柱悬臂吊 Pillar JIB Cranes

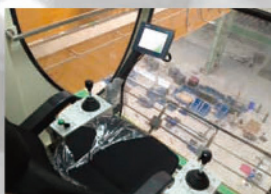
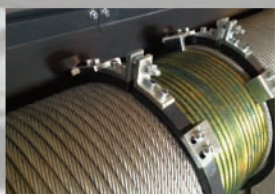
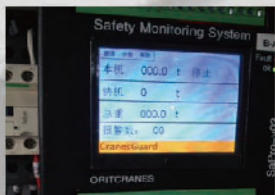
墙壁悬臂吊 Wall JIB Cranes



欧式双梁起重机
Double Girder Overhead Cranes

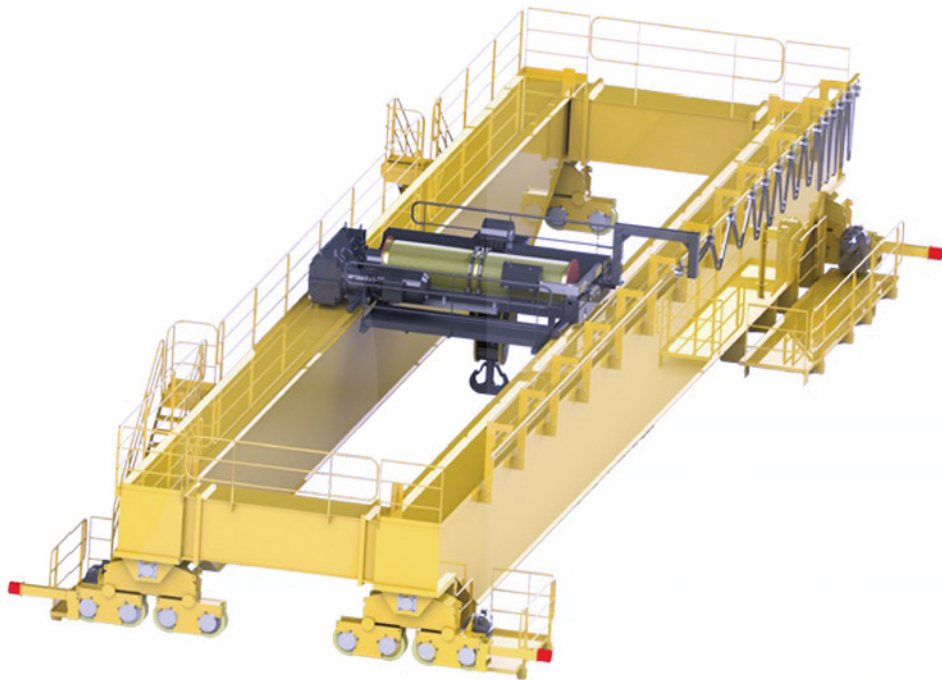
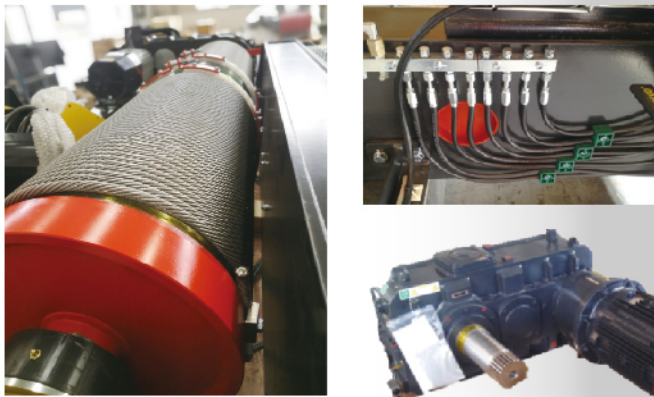


优化设计、自重轻，轮压小，高度矮，硬齿面柔性驱动，结构紧凑；
变频控制，运行平稳；实时安全监控，确保吊运安全；更多便捷拓
展功能详见配置表。
Excellent design, Impact frame; Stepless control, Smoothly running;
Safety monitoring; More expand functions.



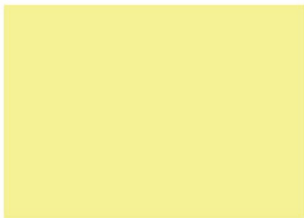
欧式卷扬桥式起重机 Heavy Winch EOT Cranes

优化设计，自重轻，轮压小，高度矮
Excellent design, light weight, compact structure, low headroom;
硬齿面柔性驱动，紧凑型结构
Flexible driving with hardened gear box;
变频控制，运行平稳；
Stepless control, smoothly running;
实时安全监控，确保吊运安全
Real-time safety monitoring;
标准化统一配置，让整机性能更稳定
Standardized features makes the performance extremely stable;
适用于500吨以下双梁起重机
SWL≤500t.



欧式龙门起重机 Gantry Cranes

优化设计、结构紧凑；柔性支腿、有效释放应力，延长结构寿命；高强镀锌钢丝绳，防锈免维护；自重轻，结构截面小减少风阻，避雷针、防雨罩、风速仪和自动防风铁靴等确保恶劣风雨中的安全；电缆卷筒或滑线多种移动供电方式，变频控制，运行平稳；实时安全监控；确保吊运安全。更多便捷拓展功能详见配置表。
Excellent design, Impact frame; Flexible legs, Stress release; Stepless control, Smoothly running; Safety monitoring; More expand functions.



电动液压防风铁靴
Electro-Hydraulic storm braking wedge



柔性支腿
Flexible legs



电缆卷筒
Power reeling drum



三合一电机柔性直驱
Impacted gearmotor



C型柔性直驱，节省空间
Type C gearmotor

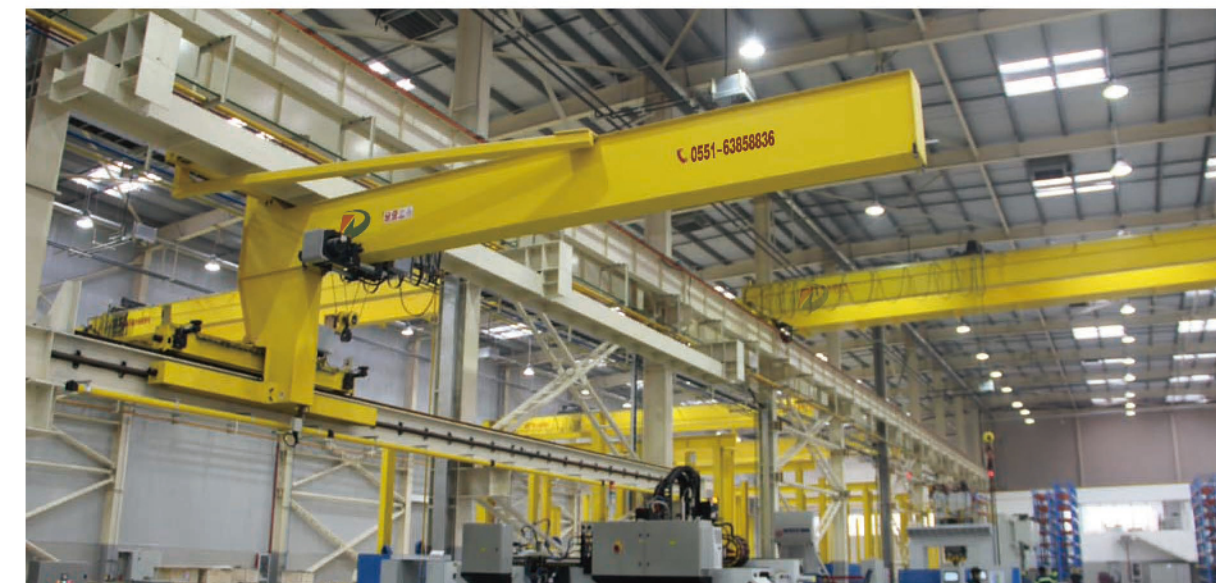


欧式半龙门起重机 Semi-gantry Cranes

优化设计、结构紧凑；变频控制，运行平稳；实时安全监控，确保吊运安全。
龙门吊专用C型驱动，节约空间；平轨设计，既便于地面物流，又美观大方，操作视野开阔。
Excellent design, Impact frame; Stepless control, Smoothly running; Safety monitoring; More expand functions.
Vertical gearmotor, space saving designing; Flat rail, Same level as ground.



欧式壁行式悬臂起重机 Wall Traveling JIB Cranes



优化设计、结构紧凑；变频控制，运行平稳；实时安全监控，确保吊运安全。
占用空间小，工作面积大，集高强度低架构一体，达到最大的提升设计，可平稳而快速地起重较轻物料。
Excellent design, Impact; Stepless control, Smoothly movement;
Safety monitoring, More expand functions.
Wall Travelling JIB Cranes is saving your working area, no space necessary on ground.



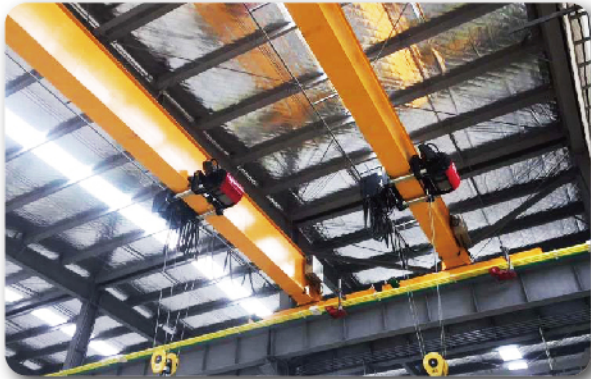
应用领域
APPLICATION SCOPE



能源装备



机械加工



绿色建筑



生产制造



航天军工



钢铁冶金



重大装备



电力电子



汽车制造



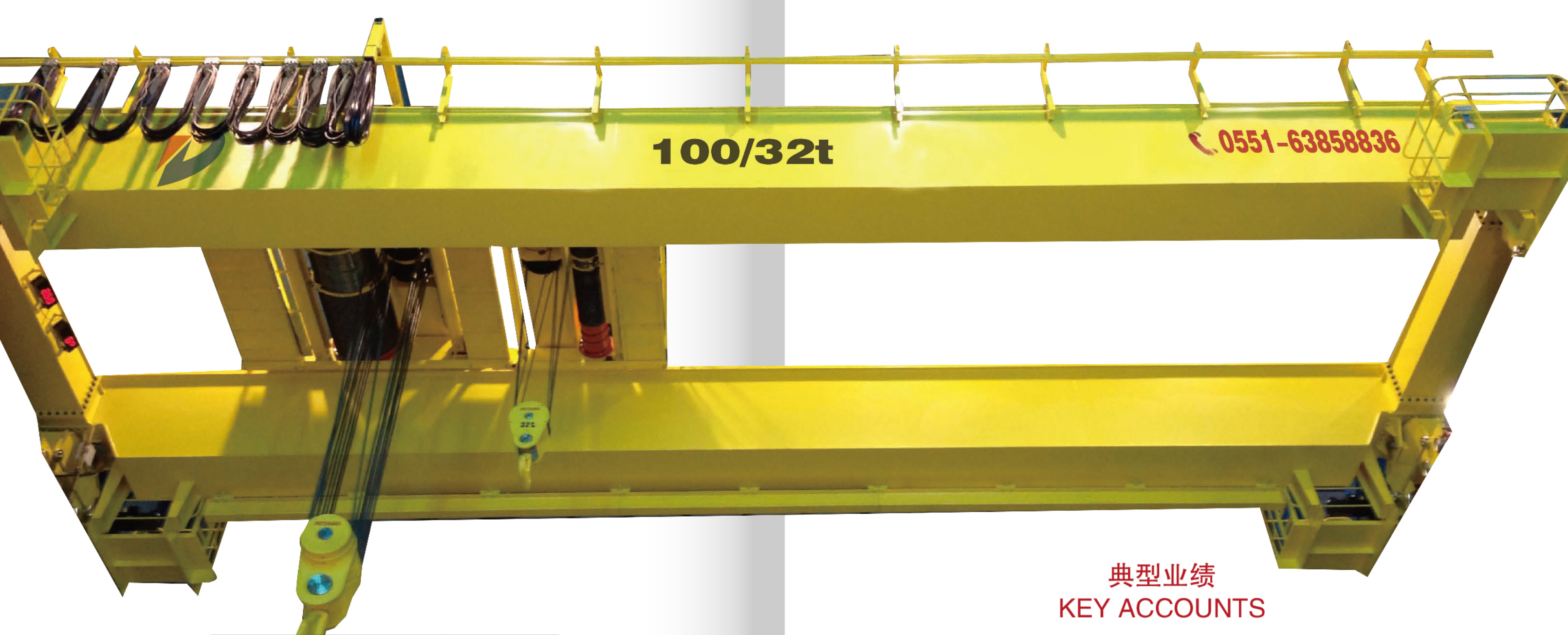
工业模具



科学实验



货场装卸



自动定位 Auto positioning	区域保护 Area protection	自动对中 Auto-centering
自动纠偏 Auto-tracking	防冲击 Shock protection	寸动、微动 Inching Micro-approaching
电子防摇 Anti-sway	数字化检修 Digital maintenance	远程通讯和HMI Remote access and HMI

典型业绩 KEY ACCOUNTS

