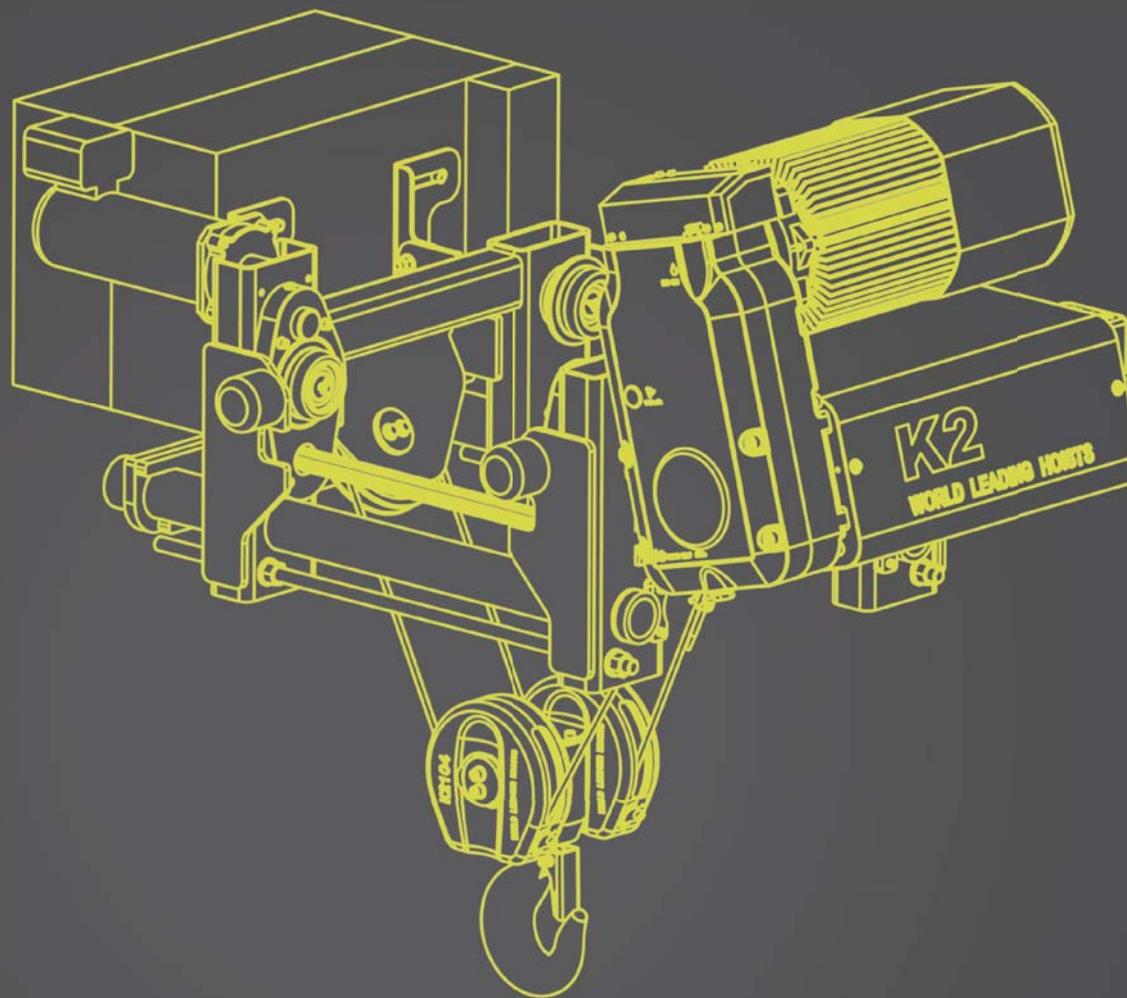


www.worldhoists.com



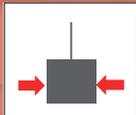
华德起重机械(天津)股份有限公司  
**WORLDHOISTS (Tianjin) Co., Ltd.**

天津市武清区京滨工业园民丰道1号  
Add : 1# Minfeng Rd., Jingbin Industry Park,  
Wuqing District, Tianjin, China P.O. : 301712  
Tel : +86 22 2219 9090 / 4006-311-058  
Fax : +86 22 2946 7189  
E-mail : sales@worldhoists.com

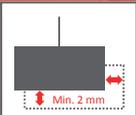


华德起重机械  
**WORLDHOISTS**

# WORLD LEADING CRANES



电子防摇  
Anti-sway



寸动  
Inching



微速  
Snail



手机监控 App  
Mobile App



人机交互系统  
HMI



自动定位  
Auto-positioning



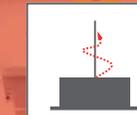
零速悬停  
0-speed-holding



防抱死保护  
ABS



防斜拉保护  
Anti-tilting



防冲击保护  
Anti-shocking



ISO GB FEM CMAA DIN BS

Worldwide Standards



#### 华德起重机

我们是欧式起重机部件专业生产制造商，产品包括欧式单梁电动葫芦、欧式双梁电动葫芦、欧式卷扬、端梁、大小车三合一驱动、电控箱、智能控制系统等。

凭借几十万台起重机应用专业技术积累，我们还是专业欧式水平起重机解决方案的设计师和专业服务提供商。

自重轻、高度矮、轮压小、节能省电、智能、数字化检修、免维护等优异性能，以及精益求精的工匠精神，是我们产品杰出底蕴所在。

无论在市场繁荣时期还是市场萧条时期，无论客户有高标准要求还是客户无明确要求，无论用于一般吊运还是特殊吊运场合，我们始终坚持产品质量持续提升。

基于中国天津实力雄厚的研发中心和现代制造基地，以遍布世界各地起重机整机制造厂为合作伙伴的B2B营销模式，我们坚持与合作伙伴、最终用户三方共赢合作原则。

以“做世界最好起重机”为企业愿景，秉承“尊重”企业文化，坚持“先修原则”，华德人用百年品质打造百年品牌。

**K** Series  
Lifting Family





## 欧式单梁起升机构



**SWL (t)**  
0.8t - 32t

**HOL (m)**  
Max. 60m

**Class (FEM/ISO)**  
M5 - M6

独特C型结构  
C-type structure

起升电机位置可旋转  
Rotation mounting design for lifting motor

低净空设计  
Low headroom

柔性驱动, 内应力小, 传动效率高  
Smart driving, higher efficiency

高强度镀锌钢丝绳  
2160N/mm<sup>2</sup> Heavy duty galvanized wire rope

四级可调旋转限位  
Rotation lifting limit switch, 4 steps adjustable

全周导绳器, 防松绳  
Reliable rope guider

大直径卷筒, 延长钢丝绳寿命  
Super drum, longer rope lifetime

硬齿面减速机, 自重轻  
Hardened gear

DIN标高强T级吊钩  
DINhook, class T

电磁盘式制动器, 可靠, 防尘  
Electromagnetic disk brake

防护等级IP55, H级绝缘  
IP55 / H insulation

重载制电机, 持续率60%ED  
Heavy duty motor, 60%ED rating

过热、过载保护  
Overheating, overloading protection

防斜拉保护  
Anti-tilting protection

变频无级小车, 运行平稳  
Stepless control trolley

免维护  
Maintenance free



SINGLE GIRDER HOISTS





<b>SWL (t)</b>	<b>HOL (m)</b>	<b>Class (FEM/ISO)</b>
<b>0.8t - 80t</b>	<b>Max. 90m</b>	<b>M4 - M6</b>

- 低净空设计  
Low headroom
- 柔性驱动, 内应力小, 传动效率高  
Smart driving, higher efficiency
- 柔性铰接小车架  
Flexible lifting beam
- 硬齿面减速机, 自重轻  
Hardened gear
- 防护等级 IP55, H级绝缘  
IP55 / H insulation
- DIN标高强T级吊钩  
DIN hook, class T
- 全周导绳器, 防松绳  
Reliable rope guider
- 高强镀锌钢丝绳  
2160N/mm<sup>2</sup> Heavy duty galvanized wire rope
- 四级可调旋转限位  
Rotation lifting limit switch, 4 steps adjustable
- 安全监控器, 液晶触摸屏  
Safety monitoring sys, with LCD
- 防坠保护  
Anti-drop protection
- 防斜拉保护  
Anti-tilting protection
- 重载制电机, 持续率60%ED  
Heavy duty motor, 60%ED rating
- 过热、过载保护  
Overheating, Overloading protection
- 电磁盘式制动器, 可靠, 防尘  
Electromagnetic disk brake
- 变频无级调速, 运行平稳  
Stepless control trolley
- 免维护  
Maintenance free



## 欧式双梁起升机构 DOUBLE GIRDER HOISTS



# 欧式卷扬 HEAVY WINCH

Tailor-made  
Heavy duty processing application



**SWL (t)** 5t - 500t  
**HOL (m)** Max. 160m  
**Class (FEM/ISO)** M3 - M8

高度矮，自重轻，节省建筑成本  
Space maker, building cost saving

重级制，满足持续重载作业  
Heavy duty processing

柔性驱动，内应力小，传动效率高  
Smart driving, higher efficiency

免维护  
Maintenance free

适配各种吊具  
Multiple lifting tong

智能化：寸动/微动/电子防摇/防斜拉  
Inching / Micro-speed / Anti-sway/Anti-tilting

故障自诊断系统及HMI  
HMI and Safety monitoring system

电控箱 IP55 防护等级  
IP55 cubicle

重级制电机  
Heavy duty motor  
防护等级 IP55, H级绝缘  
IP55 / H insulation  
持续率 60%ED  
60%ED rating  
过热保护  
Overheating protection

手动释放功能  
Manual release

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



重锤限位  
Hook approached limiter

高强度钢丝绳  
High grade steel  
wire rope



卷筒压绳器  
Rope roller

过载保护  
Overloading  
protection

旋转限位  
Rotation limit switch

变频三合一驱动  
Stepless  
traversing

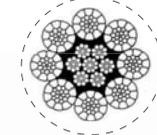
超速保护  
Overspeeding  
protection

防坠落保护  
Dropless latch

集中润滑  
Grease nipples  
in one group

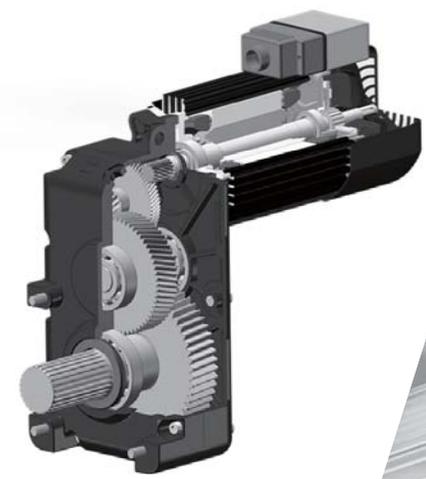


绝对垂直起升  
True vertical lifting



吊钩  
DIN HOOK  
材质 34CrMo4QT/34CrNiMo6QT  
DIN标准锻造吊钩  
Ergonomic forging hook  
尺寸小，自重轻  
Optimized size, easy handling





**T3**

0.3-1.1kW

**T4**

0.65-2.2kW

**T5**

1.1-3.0kW

结构紧凑  
Compact designing

电机+制动器+减速箱三合一集成化设计  
Integrated motor + brake + gearbox

全变频调速  
Stepless travelling

鼠笼式异步电机  
Squirrel-cage, synchronous motor

最高转速 4800转  
Max. speed 4800rpm

重级制, 负载持续率 60%ED  
Heavy duty 60% ED rating

防护等级IP55  
IP55 protection

电磁盘式制动器  
Electromagnetic disc brake

铝合金壳体、密封  
Totally enclosed aluminium housing

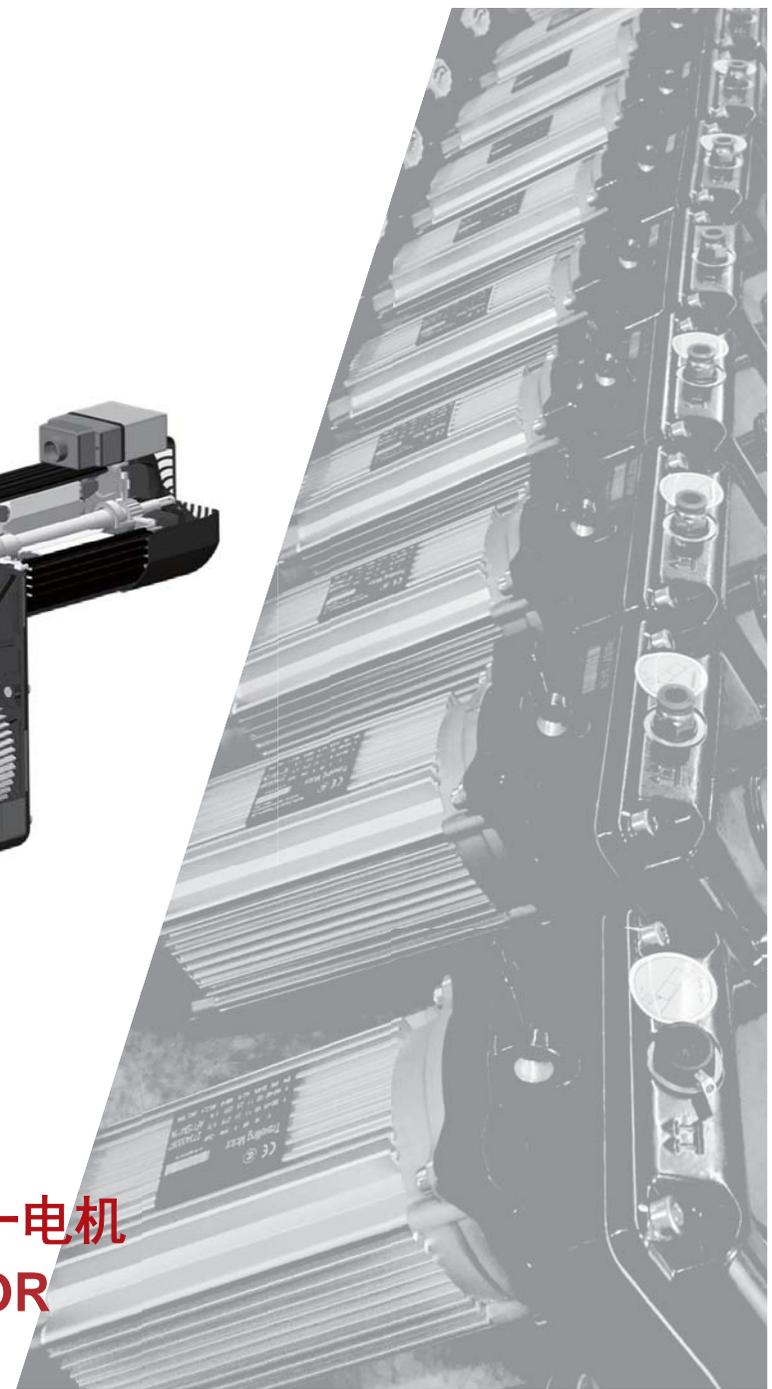
硬齿面  
Hardened gear

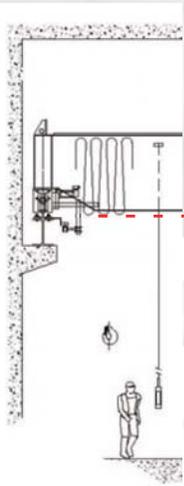
静音设计  
Silent running

半油脂润滑  
Semi-fluid grease lubrication

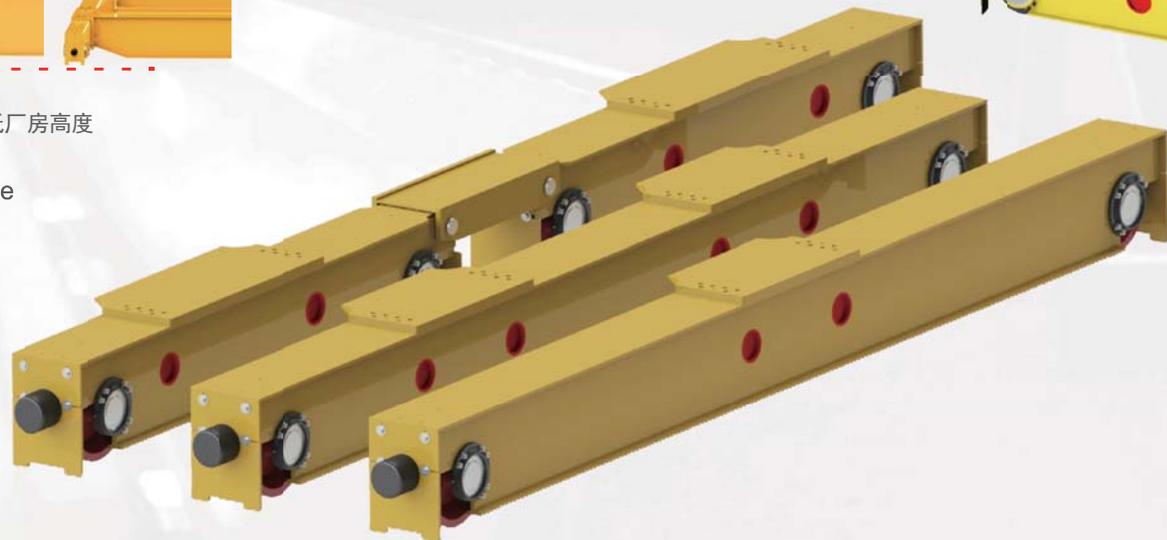
免维护  
Maintenance free

起重机三合一电机  
GEARMOTOR





多种主端梁连接方式，适应各种厂房，降低厂房高度  
 Module joint designing  
 Fitting with smallest building clearance



## 欧式端梁 END CARRIAGE



大吨位端梁  
 Heavy load wheel block  
 Central lubrication



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



导向轮  
 Roller guider



柔性直驱  
 Spline shaft, direct driving



合金锻造车轮  
 Forging wheel  
 Alloy steel  
 42CrMo

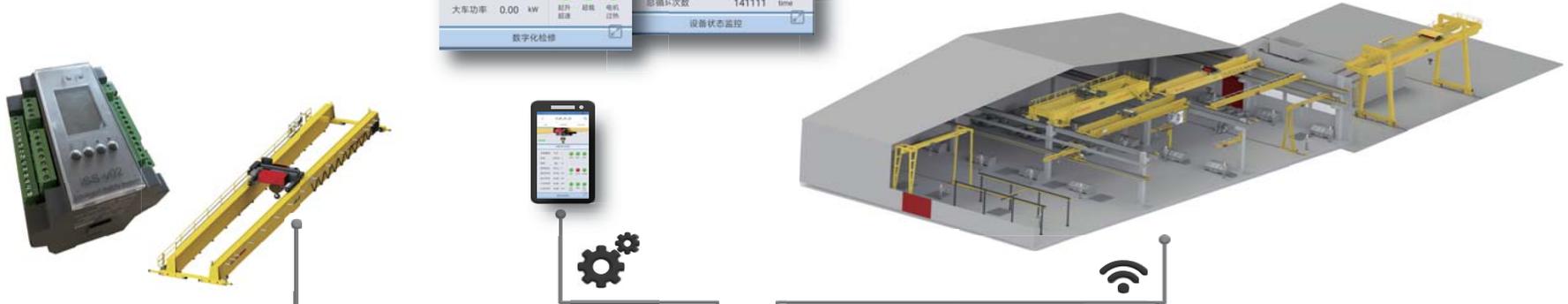


球墨铸铁车轮  
 Casting wheel  
 DIN GGG70



Our safety commitment to your cranes...

# 智能监控系统 Intelligent Safety System (iSS)



## 智能安全监控器 (iSS)

- 计算起升机构剩余的安全工作周期  
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
- 【掌上起重】APP远程监控  
【My Cranes】Remote monitoring

**Status**

Total running time	625 min
Upwards time	325 min
Downwards time	300 min
Upwards starts	1300 times
Downwards starts	1700 times
Fast starts	2800 times
Total starts	3000 times
Max. load	0.100 t
Average load	0.072 t
Overloading times	0 times
Overheating times	0 times
Over duty times	56 times
Max. running ED%	58 %
Running ED% limit	40 %
SWP%	70 %
Br-SWP%	80 %

**Intelligent Safety System Monitor**

A load	1.2 t
B load	0 t
L1 voltage	380 V
L2 voltage	380 V
L3 voltage	380 V
Control voltage	220 VAC
Power frequency	50 Hz
Fault ID.	NONE
Lifting distance	206 m
E-Stop	2 times

**Warning lights**

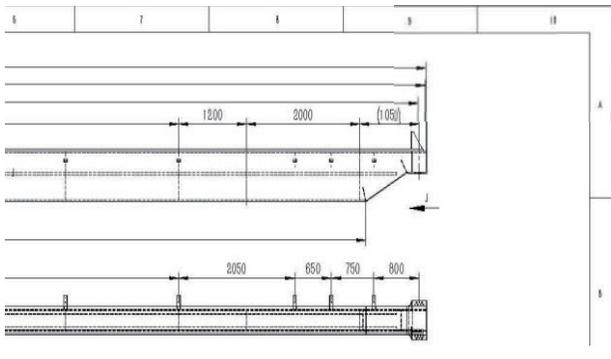
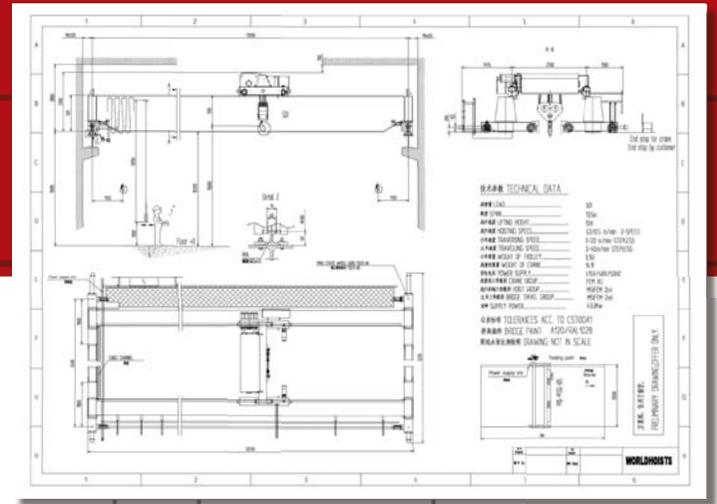
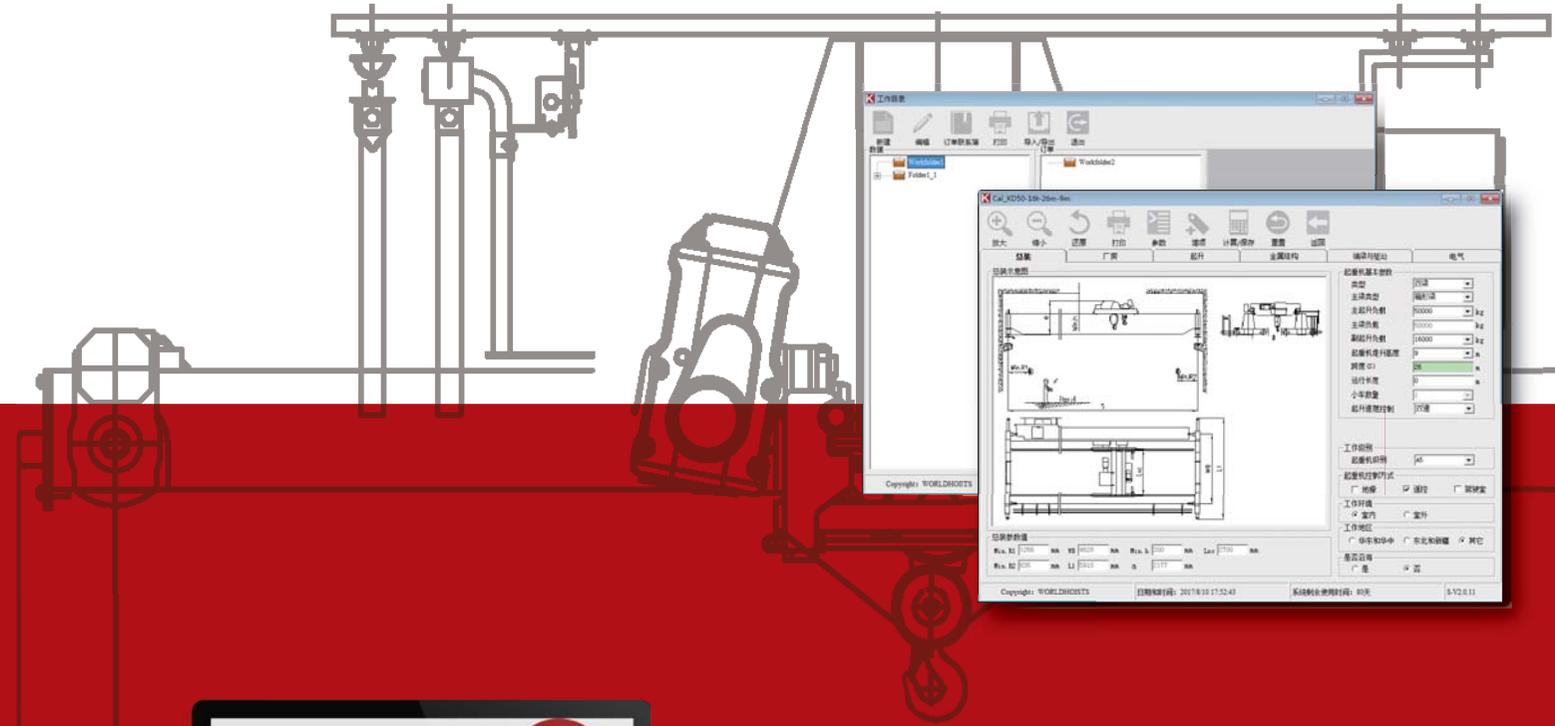
<span style="color: green;">●</span> Over loading	<span style="color: green;">●</span> SWP% alarm	<span style="color: green;">●</span> Upper limit alarm	<span style="color: green;">●</span> Motor fault
<span style="color: orange;">●</span> Over duty	<span style="color: green;">●</span> Br-SWP% alarm	<span style="color: green;">●</span> Communication alarm	<span style="color: green;">●</span> Misoperation

Info: Intelligent Safety Trolley X 00

# KING

可以随身携带的起重机设计专家  
 Portable Crane designing  
 专业起重机械设计软件  
 Professional Engineering Software  
 优化的设计方案  
 Optimized Calculation  
 易操作  
 Handy Running

输出:  
 Professional Output:  
 起重机总图  
 -Crane Layout Drawing  
 起重机参数表  
 -Crane Data Sheet  
 全套部件清单  
 -Components List  
 整机及部件报价单  
 -Offer Sheet  
 主梁生产图  
 -Girder Manufacturing Drawing



# 华德服务 WORLDWIDE & PROFESSIONAL SERVICE

**K2**  
WORLD LEADING HOISTS

# 先修原则

On call service 7x24hr



远程监控，数字化检修  
Remote monitoring

备品备件  
Spare parts



起升限位  
Limit switch



智能安全监控系统  
Intelligent Safety System



起升制动器  
Lifting brake

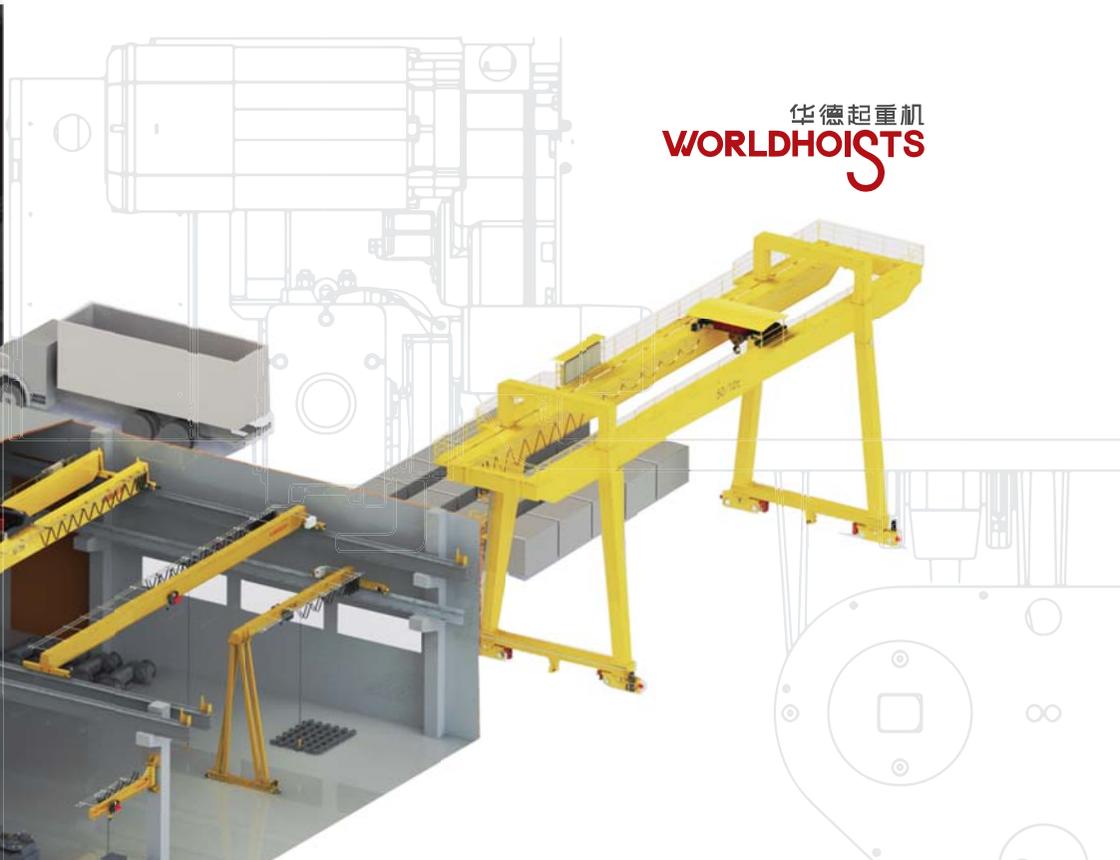
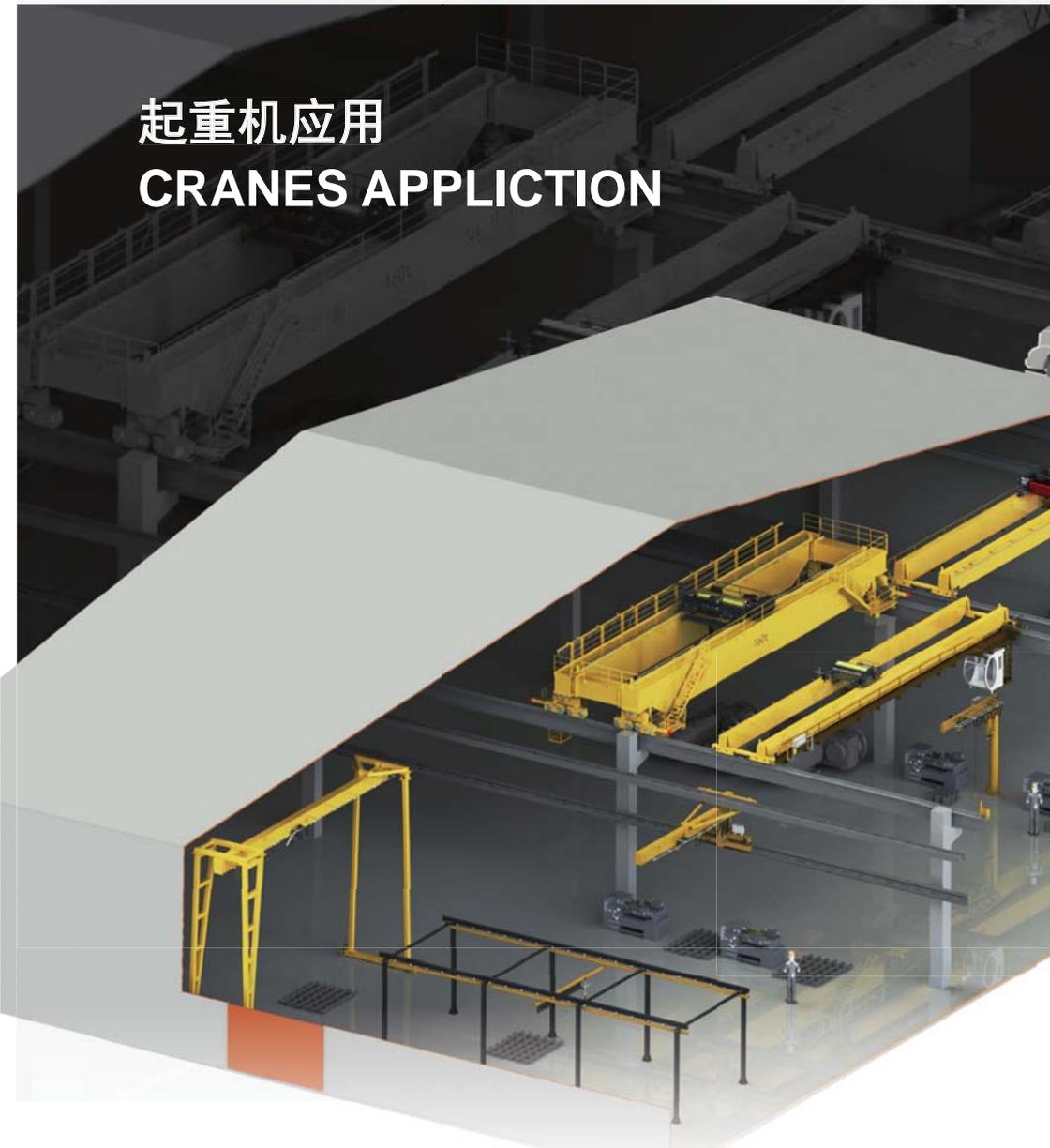


电机  
Lifting motor



# 起重机应用 CRANES APPLICATION

华德起重机  
WORLDHOISTS



A 互联网+ / IT +	
人机界面	HMI
远程控制	Remote Access
物联网远程管理	RFID Internet
4G移动通讯	4G Wireless
远程诊断系统	Remote Diagnosis System
信息系统	Message System
手机监控	Mobile App

B 自动化 / Automation	
速度扩展功能	Speed Expanding
电子防摇功能	Anti-sway
自动纠偏功能	Anti-skew
寸动功能	Inching
微速	Snail
自动中心定位	Automatic Positioning
同步功能	Synchronization

C 硬件配置 / Components	
镀锌高强度钢丝绳	2160N/mm <sup>2</sup> Galvanized Steel Wire Rope
球墨铸铁导绳器	Spherical Graphite Iron Casting Rope Guide
盘式制动器	Disk Brake
无石棉刹车片	Asbestos-free Liner
大直径卷筒	Super Drum
高速节能电机	Energy-efficient Motor
DIN标准锻造吊钩	Froging Alloy DIN Hook
变频无级调速	Stepless Control
可编程控制器	PLC
安全监控器	Safety Monitoring System
硬齿面减速机	Hardened Reducer
电子制动功能	E-braking
球墨铸铁车轮	Spherical Graphite Iron Casting Wheel
IP55 防护等级	IP55
电机强制风冷功能	Enhanced Motor Cooling

D 安全防护 / Safety and Protection	
机械式超载限位	Mechanical Overloading Protection
电子式超载保护	Electrical Overloading Protection
电机过热保护	Motor Overheating Protection
超速保护	Overspeeding Protection
过流保护	Overcurrent Protection
欠压保护	Low-voltage Protection
漏电保护	Leakage Protection
短路保护	Short Circuit Protection
接地保护	Earthing Protection
缺相保护	Phase Missing Protection
错相保护	Phase Sequence Protection
四级可编程旋转限位	Rotating Limit Switch
两级重锤限位	Hook Approached Limit Switch
雷达无线防撞保护	Anti-collision Radio Protection
红外线光电限位	Anti-collision Infra Protection
相邻起重机防撞保护	Anti-collision Protection for Neighbor Cranes
双档十字拨杆限位	Cross Limit Switch
遥控器防失灵保护	Remote Control Protection
端梁防出轨保护	Earthquake Latch
防松绳保护	Rope Anti-slack Protection
吊钩安全扣	Hook Safety Latch
防斜拉保护	Anti-tilting protection
防抱死保护	ABS
防冲击保护	Anti shocking protection

