



- A** 钢筋加工机械  
Rebar processing machinery
- B** 起重升降机械  
Hoisting machinery
- C** 混凝土砂浆机械  
Concrete mortar machinery
- D** 桩工机械  
Piling machinery
- E** 擦窗机械  
Building maintenance unit

廊坊凯博建设机械科技有限公司  
CABR Construction Machinery Technology Co.Ltd.

河北廊坊经济开发区创业路608号(065001)  
No.608 Chuangye Road,Langfang Economic Development Zone,Hebei,065001

北京办:北京市东城区安定门内方家胡同21号(100007)  
Beijing office: No.21,Fangjia Hutong Andingmen,Beijing,100007

Tel:+86-10 8401 8402 Email:sales@cabrm.com Web:www.cabrm.com

注:产品更新,相关技术参数恕不另告。  
本目录上的机器、附加设备、场景照片版权均为凯博所有,未经许可,其内容不得复制、抄袭用于任何目的。  
Note: Product update, related technical parameters will be discussed specifically.  
copyright of machine, accessories, pictures on this content belongs to CABR, others cannot copy for any purpose without permit.

廊坊凯博建设机械科技有限公司  
CABR Construction Machinery Technology Co.Ltd.

北京建筑机械化研究院有限公司  
Beijing Building Mechanization Research Institute Co., Ltd.

中国建筑科学研究院有限公司  
China Academy of Building Research

# 目录

## CONTENTS

### A 钢筋加工机械 Rebar processing machinery

03  
A1 钢筋线材加工设备  
Steel wire processing machinery

05  
A2 钢筋棒材加工设备  
Steel rod bar processing machinery

07  
A3 钢筋组合制品加工设备  
Automatic steel bar welding line

08  
A4 钢筋连接机械  
Rebar mechanical splicing technology

### B 起重升降机械 Hoisting machinery

11  
B1 施工升降机械  
Construction lifting machinery

16  
B2 起重机械  
Hoisting machinery

17  
B3 塔式起重机作业监控管理系统  
Tower crane safety monitoring system

18  
B4 施工升降机监控管理系统  
Construction hoist monitoring and management system

18  
B5 其他类起重机监控  
Other crane monitoring

### C 混凝土砂浆机械 Concrete mortar machinery

21  
C1 混凝土布料机  
Concrete placing boom

23  
C2 混凝土泵  
Concrete pump

24  
C3 砂浆机械  
Mortar machinery

28  
C4 混凝土砂浆专用设备  
Special equipment for concrete mortar machine

### D 桩工机械 Piling machinery

31  
D1 多功能钻机  
Multi-function drill rigs

### E 擦窗机械 Building maintenance unit

35  
E1 屋面轨道式系列  
Roof mounted BMU

36  
E2 悬挂轨道式擦窗机  
Monorail system

36  
E3 插杆式擦窗机  
Portable davits

### 企业简介 Company profile

### 企业资质 Enterprise qualification

### 研发实力 R & D strength

### 质量与服务 Quality and service



## A 钢筋加工设备

Rebar processing machinery

- A1** 钢筋线材加工设备  
Steel wire processing machinery
- A2** 钢筋棒材加工设备  
Steel rod bar processing machinery
- A3** 钢筋组合制品加工设备  
Automatic steel bar welding line
- A4** 钢筋连接机械  
Rebar mechanical splicing technology

## A1 钢筋线材加工设备 Steel wire processing machinery



A101

### 智能化钢筋弯箍机 Intelligent stirrup bender

可用于混凝土结构用箍筋、拉钩、螺旋筋等成型钢筋的加工。  
Used for the processing of concrete structure stirrups, hook, spiral hoop wire etc.

GGJ13



A102

### 智能化钢筋调直切断机 Intelligent Rebar straightening and cutting machines

用于光圆或带肋钢筋连续调直并能定长切断的自动化设备。  
For automatic equipment for continuous straightening and fixed length cutting of round or ribbed rebar.

GT5-12



A103

### 智能化钢筋板筋生产线 Intelligent floor bar bending line

仅需1人操作的高效加工生产线, 可实现钢筋的矫直、切断与弯曲同步进行。  
Only 1 operator high-efficiency floor bar bending line, steel wire straightening, cutting and bending at the same time working.

BJX12



A104

### 智能化多功能钢筋弯箍机 Intelligent multi-functional steel wire stirrup bender

可加工直径6-12mm钢筋, 加工形状为箍筋、板筋、直条, 可加工最小短边长度60mm的板筋。  
Used for processing 6-12mm steel wire, bending stirrup, floor bar, hook etc. min. floor bar short side is 60mm.

GGJ12D



A105

### 智能化八字筋设备 Intelligent straight steel wire stirrup bender

可加工 $\phi 10$ - $\phi 14$ mm直条钢筋, 加工箍筋形状为八字型箍筋。  
Used for bending  $\phi 10$ - $\phi 14$ mm straight bar, bending stirrup, hook shape etc.

GGJ-B14



A106

### 智能化焊接封闭箍筋生产线 Intelligent closed-stirrup bender

可加工直径6-12mm钢筋, 级别HPB300、HRB400、HRB500的焊接封闭箍筋, 最大焊接速度可达10个/min。  
Used for processing HPB300, HRB400, HRB500 grade 6-12mm steel wire. Max. closed-stirrup productivity reach 10 pcs/min.

GGJ12F



## A2 钢筋棒材加工设备 Steel rod bar processing machinery



A201

### 智能化钢筋剪切生产线 Intelligent steel bar cutting line

适用大直径、大批量的钢筋的裁 剪加工。  
Used for big diameter steel bar batch cutting.  
GQX120、GQX150



A202

### 智能化钢筋锯切套丝生产线 Intelligent rebar sawing line

能自动完成棒材钢筋的定尺锯切、输送、丝头加工、打磨等工序。  
Can automatically finish procedures of cut-to-length sawing, conveying, thread head processing, polishing, etc.  
GSX300、GSX500



A203

### 智能化钢筋立式弯曲生产线 Intelligent vertical steel bar bending line

用于 $\Phi 10$ - $\Phi 32$ 钢筋双向同步弯曲的自动化钢筋弯曲设备。适用于钢筋集中加工工厂，尤其是高速铁路、公路的梁场中批量钢筋弯曲加工。  
Used for  $\Phi 10$ - $\Phi 32$  mm steel bar bend processing, two bending heads could simultaneous working. It's a good choice for rebar fabrication plant, especially suitable for high-speed train, high-speed road project big quantity batch rebar bending work.  
GWXL2-32



A204

### 智能化钢筋立式弯曲生产线(五机头) Intelligent vertical steel bar bending line (Five bending heads)

可实现 $\Phi 10$ - $\Phi 25$ mm钢筋快速高效的自动化弯曲、箍筋成型等加工。  
Automatic high-efficient bending 10-25mm steel bar.  
GWXL5-16、GWXL5-25



A205

### 智能化钢筋卧式弯曲生产线 Intelligent horizontal rebar bending line

可实现 $\Phi 12$ - $\Phi 50$ mm钢筋快速高效的自动化弯曲成型等加工。  
Automatic high-efficient bending 12-50mm steel bar.  
GWX40、GWX50

## A3 钢筋组合制品加工设备 Automatic steel bar welding line



A301

### 智能化钢筋笼焊接生产线

Intelligent steel cage welding line

适用于直径12mm-50mm钢筋笼的焊接,在焊接中箍筋间距可自动调整。

Used for diameter 12mm-50mm steel cage welding, spiral wire space could automatic adjustable when steel cage welding.

GLJ1500、GLJ2000、GLJ2500

A302

### 智能化钢筋桁架生产线

Intelligent steel lattice girder welding line

通过自动调直、自动焊接成型、自动剪切、自动收集等工序,将5-12mm的冷、热轧带肋钢筋及冷轧盘圆钢筋,加工成钢筋桁架制品。适用于高铁轨枕、钢筋桁架楼承板等加工。

Combine steel wire automatic straightening, bending, welding, cutting and collecting function in one machine for welding truss girder, could processing 5-12mm cold rolled, hot rolled rebar and cold rolled smooth coil wire. It's a good choice for manufacturing high-speed train sleeper track, steel bar truss desk etc.

GJH270、GJH350

A303

### 智能化钢筋网焊接生产线

Intelligent steel mesh welding line

可将光圆冷拔钢筋、冷轧带肋(螺纹)钢筋、热轧带肋钢筋通过电阻焊进行高质量交叉焊接。

Adopt Electric Resistance Welding Technology welding steel mesh, could welding cold-draw smooth bar, cold-rolled rebar and hot-rolled rebar.

GWC1500、GWC1800、GWC3300、GWC4000



A304

### 智能化钢筋柔性网焊接生产线

Intelligent double coil wire steel mesh welding line

针对混凝土预制件(PC构件)专门开发了GWC3300PC型专用钢筋网生产线,特别是对带门、窗、孔洞的网片,可根据设计图一次性焊接成型,不需要通过生产标准网后再进行手工剪切。

GWC3300-PC steel mesh welder, we designed it for concrete precast component plant. It's working high-efficient especially good for mesh has window and door holes. Steel mesh welder welding mesh has window or door directly, needn't any further process.

GWC3300-PC、GWC4000-PC



## A4 钢筋连接机械

Rebar mechanical splicing technology

A401

### 直螺纹连接技术、设备、套筒

Parallel thread rebar splicing technology, threading machine and rebar coupler

适用于RB335/HRB400/HRB500等各级别、直径Φ12-50mm的钢筋,在任意方向和位置的同、异径连接;并有应用于特殊场合的分体式套筒、可焊型套筒、锚固块、灌浆套筒等多种产品和综合解决方案。

Our rebar mechanical splicing technology used for connecting 12-50mm RB335, HRB400, HRB500 different grade rebar, applicable to random direction, location same diameter, different diameter connection. For different rebar splicing requirements, we have separate lock sleeve, weldable coupler, anchoring plate, grout coupler and other various kinds coupler.



剥肋直螺纹套丝机  
Rebar rib-peeling and thread rolling machine



直螺纹钢筋接头  
Parallel thread rebar joint



分体式套筒  
Split type



可焊型套筒  
Weldable type





## B 起重升降机械 Hoisting machinery

- B1 施工升降机械**  
Construction lifting machinery
- B2 起重机械**  
Hoisting machinery
- B3 塔式起重机作业监控管理系统**  
Tower crane safety monitoring system
- B4 施工升降机监控管理系统**  
Construction hoist monitoring and management system
- B5 其他类起重机监控**  
Other crane monitoring



## B1 施工升降机械 Construction lifting machinery

### B101

#### 低速施工升降机

Low speed building hoist

低速施工升降机是普通梯的升级版，额定速度0-36米/分钟。采用变频控制，启制动平稳，可降低机械磨损，延长使用寿命，乘坐舒适，还能实现工频变频转换。

Low speed building hoist is an upgraded version of the ordinary building hoist, rated speed 0-36 m/min. The use of frequency conversion control, stable starting and braking, can reduce mechanical wear, prolong the service life, ride comfort, but also to achieve frequency conversion.



### B102

#### 中/高速施工升降机

Middle/High speed building hoist

采用自主知识产权的变频技术，额定速度可达60/90m/min。配备智能化控制系统，具有性能稳定、效率高的特点，可实现手自一体操作，降低劳动强度。可选配德国NORD传动，身份认证，自动选、平层状态显示等功能。

The frequency conversion technology of independent intellectual property rights is adopted, and the rated speed can reach 60/90 m/min. Equipped with intelligent control system, it has the characteristics of stable performance and high efficiency, can realize the hand self-integrated operation, reduce labor intensity. Optional with German NORD drive, identity authentication, automatic selection, status display and other functions.



### B103

#### 曲线、斜线施工升降机

Curved and inclined building hoist

该机广泛应用于烟囱、冷却塔、桥梁等建筑工程。升降机导轨架特殊处理，可曲线、斜线布置。采用浮动调平机构保证升降机沿曲线、斜线运行时，吊笼始终保持水平。导轨架为直线时，该机也可作为直线升降机使用。

This machine is widely used in chimney, cooling tower, bridge and other construction projects. Mast section adopts special treatment, which can be arranged in curved or inclined shape. The floating leveling mechanism ensures that the cage is always horizontal when hoist is running along the curve and incline. When mast section is vertical, the machine can also be used as a vertical hoist.





## B1 施工升降机械 Construction lifting machinery

### B104

#### 工业升降机 Industrial hoist

该设备广泛应用于桥梁、电力、港口、铁塔、起重机、水泥、造纸、石油、化工等领域,属于固定安装设备,可满足3~5人或小型物料的垂直运输问题。轿厢采用不锈钢制作,结构件热浸锌处理,适用于恶劣环境,具有维护保养简便、可靠耐用的特点。

The equipment is widely used in bridge, power, port, tower, crane, cement, paper, petroleum, chemical and other fields, belongs to the fixed installation equipment, can meet 3~5 people or small materials. The car is made of stainless steel, the structural parts are treated with hot-dip galvanizing, suitable for harsh environment, it has the characteristics of simple maintenance, reliable and durable.



### B105

#### 多功能施工升降机 Multifunctional building hoist

该机可以做到一机多用,是运送钢筋、混凝土及施工人员的三合一型设备,广泛应用于电力建设中的烟囱和冷却塔施工。

It can be used as a multi-purpose machine. It is a three-in-one equipment to transport rebar, concrete and personnel, and is widely used in the construction of chimneys and cooling towers in power construction.



### B106

#### 大吨位施工升降机 Heavy duty building hoist

最大载重量为7000kg,也可非标定制,广泛应用于生产线、商场、医院、停车场等场所。

The maximum load is 7000kg, which can also be customized, widely used in production lines, shopping malls, hospitals, parking lots and other places.





## B1 施工升降机械 Construction lifting machinery

### B107

#### 导架爬升式工作平台 Mast-climbing work platform

升降平台用于建筑外墙装修、玻璃幕墙施工、建筑外表面清洁等作业。采用模块化设计,可实现单、双导柱相互转换,平台长度可根据现场情况自由组合。

The platform is used for building exterior wall decoration, glass curtain wall construction, building exterior surface cleaning and other operations. With the modular design, single and double guide columns can be converted to each other, and the length of the platform can be freely combined according to the field conditions.



## B2 起重机械 Hoisting machinery

### B201

#### 液压顶升平桥 Hydraulic jacking bridge

该机是冷却塔施工的专用设备,与升降机配合使用,顶部塔机可以吊运钢筋,塔身为升降机提供附着支撑,水平吊桥为施工人员和物料提供平台。

This machine is the special equipment for the construction of cooling tower, it can be used together with the building hoist, the tower machine on the top can lift the steel bar, the tower provides the elevator wall tie support, the horizontal suspension bridge provides the platform for the construction personnel and materials.



### B202

#### 蜘蛛式起重机 Spider crane

机身紧凑(4.6mx1.4mx2.1m)、通过性高自备动力、液压行走适应崎岖不平的室外场地,最大臂长15.8米,最大起升高度16米,最大额定起重量2900千克。

The fuselage is compact (4.6mx1.4mx2.1m).With high self-provided power and hydraulic walking,it can adapt to the rugged outdoor field. The maximum boom length is 15.8 meters, the maximum lifting height is 16 meters, and the maximum rated lifting weight is 2900 kg.



### B203

#### 快速架设塔式起重机 Self erecting tower crane

快速架设,一个小时即可投入正常工作。结构紧凑,可整体拖运。塔身自动锁紧,臂架自动对接,臂端滑轮自动定位,全部架设和拆卸过程无一处高空作业。

Rapid to assemble and ready to normal work within an hour. The structure is compact and can be entirely towed. The tower body is automatically locked, the arm frame is automatically docked, the arm end pulley is automatically positioned, and there is no aloft working during the entire erection and dismantling.





## B3 塔式起重机作业监控管理系统 Tower crane safety monitoring system



B301

### 塔机监控系统

Tower crane monitoring system

实时显示监控塔机高度、幅度、起重量、回转角度、环境风速及倍率等工作信息,对危险动作提供预警报警及控制输出。  
Real-time display of working information such as monitoring tower crane height, amplitude, lifting weight, slewing angle, environmental wind speed and magnification, etc. It also can provide early warning alarm and control output for dangerous actions.



B302

### 群塔防碰撞系统

Anti-collision system for group tower cranes

为区域内多塔机协同作业提供安全保护。  
Provide security protection for cooperative operation of multiple tower cranes in the area.



B303

### 远程数据监控平台

Remote data monitoring platform

远程监控管理起重机实时工作情况以及相关工作人员信息。  
Remote monitoring and management of real-time working conditions of cranes and work information of relevant personnel.

## B4 施工升降机监控管理系统 Construction hoist monitoring and management system

B401

### 施工升降机监控管理系统

Construction hoist monitoring and management system

实时显示施工升降机各机构工作情况,结合生物识别技术,提供整体解决方案。  
Real-time display of the working conditions of various institutions of the construction hoist. Combined with biometric technology, It can provide an overall solution.



## B5 其他类起重机监控 Other crane monitoring

B501

### 其他类起重机监控

Other crane monitoring

根据客户需求提供各类型起重机械监控系统。  
We can provide various types of crane monitoring systems according to customer needs.







## C 混凝土砂浆机械

Concrete mortar machinery

C1 混凝土布料机  
Concrete placing boom

C2 混凝土泵  
Concrete pump

C3 砂浆机械  
Mortar machinery

C4 混凝土砂浆专用设备  
Special equipment for concrete  
mortar machine



## C1 混凝土布料机 Concrete placing boom

### C101

#### 移动式 Mobile type

结构紧凑、重量轻、可整机吊运；机动灵活、安全便捷、适用面广。  
Compact structure, light weight, the whole machine can be lifted; Flexible, safe and convenient, wide application.



### C103

#### 爬模式 Climbing-form type

由臂架、塔身以及底架组成。底架与爬模架体牢固连接传递施工载荷。整机不需要爬升动力，随爬模一起爬升。  
By boom frame, tower body and bottom frame composition. The bottom frame is firmly connected with the climbing frame to transfer the construction load. The machine does not need climbing power, climbing with the climbing frame.



### C102

#### 内爬式 Self-climbing type

配置自动爬升系统，在电梯井道内或楼板上自动顶升，使布料机随着楼层的升高而升高。  
Equipped with automatic climbing system, automatic climbing in the elevator shaft or on the floor, so that the placing boom could rise with the building.



### C104

#### 独立式 Stationary type

可以模块化定制：臂架有多种选择；高度可根据施工要求而定；塔身结构有圆筒式、方筒式和桁架式；底座可以制作成基础式、压重式或者轨道行走式。  
Can be modular customization: the arm has a variety of options; The height can be determined according to the construction requirements; Tower body structure has column type, square tube type and truss type; The base can be made into the base type, the weight type or the track walking type.



## C2 混凝土泵 Concrete pump

### C201

#### HBT型混凝土泵

HBT series concrete pump

建筑工程中的混凝土(细石混凝土)输送、注浆及灌浆设备。

Concrete transportation, grouting and grouting equipment in construction.

HBT15、HBT40、HBT60、HBT80



### C202

#### XHB型细石混凝土泵

XHB small fine concrete pump

高层建筑抹灰、砌筑以及构造柱、屋面、地暖工程、高铁、隧道等的砂浆、细石混凝土(豆石混凝土)或其它类似浆料的输送设备。

High-rise building plastering, masonry memory structure columns, roofing, floor heating engineering, high-speed railway, tunnel lamp mortar, fine stone concrete or other similar slurry conveying equipment.

XHB6、XHB8



## C3 砂浆机械 Mortar machinery

### C301

#### UB型砂浆泵

UB series mortar pump

砂浆及水泥浆等材料的输送、注浆及灌浆设备。

Equipment for transportation, grouting and grouting of materials such as mortar and cement slurry.

UB4B、UB4C、UB8、UB10



### C302

#### UH4型砂浆联合机

UH4 mortar combined machine

频繁移动作业的砂浆施工、铁路、公路、隧道、桥涵、水利等基础工程注浆及快速回填灌浆设备。

Equipment for grouting and rapid backfilling grouting for mortar construction, railways, highways, tunnels, bridges, culverts, water conservancy and other basic projects with frequent mobile operations.

UH4





## C3 砂浆机械 Mortar machinery

### C303

#### 挤压式注浆机

Extrusion grouting machine

水泥浆、砂浆或套筒灌浆料等材料的注浆施工设备。

Grouting construction equipment for materials such as cement slurry, mortar or sleeve grouting.

UBJ0.5A、UBJ0.5B



### C304

#### 螺杆式注浆机

Screw grouting machine

加固、防水或修复工程等的注浆材料的注浆设备。

Grouting equipment for grouting materials for reinforcement, waterproofing or repair works.

UBL0.3、UBL0.5、UBL0.3W



## C3 砂浆机械 Mortar machinery



C305

### UBJ型砂浆喷涂机

UBJ series mortar spraying machine

砂浆喷涂、泵送或灌注设备，预拌砂浆及现拌砂浆均可适用。  
Mortar spraying, pumping or pouring equipment, ready-mixed mortar and ready-mixed mortar can be applied.

UBJ3A



C306

### 螺杆式喷灌一体机

Screw type sprinkler irrigation machine

多种类型砂浆材料的搅拌、泵送、喷涂、灌注作业设备，尤其适用于轻钢别墅等的施工。

Equipment for mixing, pumping, spraying and pouring of various types of mortar materials, especially suitable for the construction of light steel villas.

UBL4A、UBL4B



C307

### UJ型立式搅拌机

UJ type vertical mixer

灌浆材料、砂浆的搅拌混合设备。  
Mixing and mixing equipment for grouting materials and mortar.

UJT50、UJL200、UJLS200、UJL300、UJLS300

## C4 混凝土砂浆专用设备

Special equipment for concrete mortar machine

C401

### 智能注浆台车

Intelligent grouting trolley

频繁移动作业的浆料搅拌注浆施工设备，尤其适合公路、铁路、隧道等基础工程的快速注浆。

The slurry mixing and grouting construction equipment for frequent mobile operations is especially suitable for the rapid grouting of basic projects such as highways, railways and tunnels.

ZJC3000



C402

### 模块化混凝土搅拌站

Modular concrete mixing plant

中小规模需求量的混凝土计量搅拌设备，特别适用于建设工期短、施工线路长、频繁转场的工程需求。

The concrete metering and mixing equipment with small and medium-scale demand is especially suitable for the construction needs of short construction period, long construction line and frequent transfer.

MHZS25、MHZS50







## D 桩工机械

Piling machinery

### D1 多功能钻机

Multi-function drill rigs



## D1 多功能钻机 Multi-function drill rigs

D101

JD110

高品质的配套件和优化的匹配;高效率、低油耗、耐久性的发动机;简单清晰的电控系统与液压油路,维护保养方便;机身结构紧凑,操作灵活、方便。

High-quality matching parts and optimized matching; high efficiency, low fuel consumption, durable engine; simple and clear electronic control system and hydraulic oil circuit, easy maintenance; compact body structure, flexible and convenient operation.



D102

JD180

多功能钻机适用于各种地层的直接或循环钻孔。钻机配旋转式动力头、旋转冲击式动力头或加载液压冲击锤或潜孔锤即可进行多种成孔作业,满足液体、地下微型桩、锚杆锚索、地质勘探、地热成孔、地基加固、边坡支护等基础设施建设的施工要求,还可以进行隧道内超前管棚支护和地质勘探施工等。

The multi-function drilling rig is suitable for direct or cyclic drilling of various formations. The drilling rig with rotary power head, rotary impact power head or loaded hydraulic impact hammer or down-the-hole hammer can perform a variety of hole-forming operations, satisfying liquid discharge, underground micro piles, anchor bolts, geological exploration, geothermal hole formation, The construction requirements for foundation construction such as foundation reinforcement and slope support can also be used for the advance pipe shed support and geological prospecting construction in the tunnel.







## E 擦窗机械

Building Maintenance Unit

- E1 屋面轨道式系列  
Roof mounted BMU
- E2 悬挂轨道式擦窗机  
Monorail system
- E3 插杆式擦窗机  
Portable davits



## E1 屋面轨道式系列 Roof mounted BMU

### E101

#### 轨道式系列擦窗机 Track mounted BMU

整个机构安装在一个能在水平轨道上行走的底盘上，靠行走底盘的运动来完成整个擦窗机的水平运行。轨道式擦窗机臂长可以从几米至40m，轨道式擦窗机具备安全可靠、使用方便等优点。轨道式卷扬设备所有动作均设置双重限制保护，并具有超速保护、超载保护、靠墙保护、防撞保护、松(断)绳保护、限位保护、防倾保护、电流过载、漏电、断错相和应急下降等安全装置，整机的稳定性高、安全性好。所有控制线路均为24V安全电压。

The whole mechanism is installed on a chassis which can travel on horizontal track. The jib length can be upto 40m. It is safe, reliable, and convenient, etc. All movements of winch type have double limit protection, also with full protections as overspeed, overload, back wheel, anti-collision, rope chaos, limit switch, anti-tilt, current overload, power leakage, emergent desend, and so on. Track mounted BMU is with high stability, and safety.

CWG250



## E2 悬挂轨道式擦窗机 Monorail system

### E201

#### 悬挂式擦窗机 Monorail system

悬挂式擦窗机属于小型擦窗机，它是通过爬轨器在轨道上的行走实现擦窗机的连续水平运动。悬挂式擦窗机主要由轨道系统、爬轨器行走系统、电动吊篮和其他部件组成。轨道系统分为预埋件或连接件、轨道支架和铝合金轨道三部分，轨道连接可以采用预埋件水平浇注在楼板上也可以浇注在结构墙上，或者采用其他方式将轨道支架固定在结构梁上，再将轨道焊接在轨道支架上。

Monorail system is a small type of BMU, whose continuous movements are realized by trolley travelling on the track, consisting of track, trolley, cradle and other parts. Track system includes embedded parts/joints, track brackets and aluminum track. Track connection can be by embedded parts casting onto the roof slab or structural wall, or fix brackets onto the structural beam by other ways, then weld track onto brackets.

CUG250



## E3 插杆式擦窗机 Portable davits

### E301

#### 插杆式擦窗机 Track mounted BMU

该机型为小型擦窗机设备，由插杆、电动吊船组成。该电动吊船与轨道式吊船不同，它自身配置有升降的提升机、安全锁、收绳器等。该擦窗机就位操作麻烦、常布置于裙房和楼顶的局部位置。但其价格便宜，业主以造价为首选条件时，常采用此方案。主要技术参数：额定载荷 200~300kg，升降速度 10m/min。吊船自重约 200 kg。

Davit system is a small type of BMU, consists of davits and power cradle, which is with hoist, safety lock, cable reeler and so on, different from cradle of track mounted BMU. For davit system, seated operation is complicated, usually placed on podium and part of roof. However, it is economical, when project is cost-oriented, this is the 1st choice. Rated capacity: 200-300kg; Lifting speed: 10m/min. SWL of cradle is 200kg.

CCG250





# COMPANY PROFILE

## 企业简介

廊坊凯博建设机械科技有限公司是中国建筑科学研究院有限公司下属的省级高新技术企业，其前身为1993年创立的廊坊凯博新技术开发公司。

凯博致力于先进工程装备的研发设计、产业化和工程化，核心产品主要有：施工升降机械、钢筋连接套筒与钢筋加工机械、混凝土及砂浆机械、起重机械及其安全监控系统、桩工机械及高空作业机械，包含多个产品系列。



### 特色优势

精通建筑工程施工工艺、擅长工法创造与工程装备研发；长期专注于建筑、施工、装备的三位一体研究，专长工程建造共性关键技术的系统解决。

### 企业愿景

致力建筑机械化，拓展人类建造美好家园的能力。



# ENTERPRISE QUALIFICATION

## 企业资质

- ◆ 全国企事业知识产权试点单位
- ◆ 河北省高新技术企业
- ◆ 河北省工业企业研发机构(A级)
- ◆ 河北省企业技术中心
- ◆ 河北省土木工程钢筋与混凝土机械技术创新中心
- ◆ 廊坊市十大科技创新企业
- ◆ 廊坊市高层次创新团队





# R & D STRENGTH

## 研发实力



公司技术力量雄厚，中级以上技术职称人员50余人，其中研究员10余人，享受政府特殊津贴专家3人，省级以上优秀中青年专家近10人，并拥有中国建研院的强大科研资源支撑。

公司先后承担并完成国家和省部级重大科研任务60余项，其中承担“十一五”、“十二五”、“十三五”等国家科技支撑重点项目课题、子课题32项，制修订国家行业标准近40项。

凯博坚持创新，着力打造“智慧产品、智慧制造、智慧服务”，掌握了一大批具有自主知识产权的关键核心技术。获得授权专利100余项，20多项科技成果获国家或省部级科技奖励，累计10余项产品列入国家重点新产品和省部级重点推广计划。





# QUALITY AND SERVICE

## 质量与服务



凯博拥有现代化的产业化生产基地，配备各类先进的机械加工制造、检测设备，自研建设了专用产品生产线，建立了严谨规范的管理体系，年产各类工程机械产品能力达到10000余台套，成为国家“十一五”、“十二五”、“十三五”科技新产品研制与产业化示范基地。

凯博长期坚守适用于建设工程装备类产品与服务的质量初心——满足顾客需求、严格过程控制、追求不断创新、铸就可靠产品。通过了ISO9000质量体系认证、欧洲CE认证、俄白哈海关联盟认证等，产品连续多年被中国质量协会评为产品质量及售后服务双满意产品，并荣获质量“大拇指”金奖。

凯博产品服务网络覆盖全球主要工程建设区域，拥有华东、华南、华北、中西部四大分区以及海外销售中心，拥有完善的售后服务体系。

凯博秉持诚信合作、共同发展的理念，矢志为建设施工领域提供业界公认的高技术含量、高可靠产品、高品质服务，与国内外3000余家企业或组织开展了密切合作，有力推动了工程机械行业的技术进步。

