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CHINA RAILWAY BAOJI BRIDGE GROUP CO., LTD.



中铁宝桥集团有限公司

CHINA RAILWAY BAOJI BRIDGE GROUP CO., LTD.

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PRODUCT PATENT

中铁宝桥产品专利（部分专利）

※水玻璃与树脂混合CO_2硬化法

※高锰钢辙叉热处理系统及热处理工艺

※高锰钢辙叉与钢轨闪光对接焊接方法

※道岔护轨部件的整体优化

※天然气超贫氧数控加热方法

※楔形调整新型弹片式扣件及扣压方法

※铁路道岔滑床板与其轨距调整方法及专用复合缓冲偏心套

※外楔形调整新型弹片式扣件

※重载铁路用尖轨跟端成型的工艺

※一种提高道岔尖轨心轨跟端耐磨耗的方法

※辙叉跟端弹性固定系统及固定方法

※水平藏尖式长短心轨拼接方法

※防跳装置及由防跳装置构成的新型心轨防跳系统

※嵌入式高锰钢辙叉结构

※楔形结构合金钢组合辙叉

※高锰钢整铸辙叉新型轨顶结构

※铁道辙叉专用超强高韧可焊接空冷鸿康贝氏体钢

※一种钢轨轨顶面加工工艺

※高速铁路单开道岔翼轨加工工艺

※钢轨压型跟端段热处理装置及热处理方法

※高速铁路道岔可动心轨辙叉组装工作平台

※道岔急救施工方法及道岔急救器

※桥梁钢塔柱制造过程中焊接变形控制方法

※具有曲线线形的桥梁钢塔柱曲线控制方法

※钢索塔节段端面三维跟踪测量划线方法

※钢结构组件计算机模拟拼装方法

※大型桥梁钢塔水平预拼方法

※磁悬浮关节可挠道岔及转接方法

※客专轨件加工轨顶面成型铣刀及加工方法

※固定型高锰钢整铸辙叉新型结构

※关节可挠型道岔挠曲装置

※关节可挠型道岔挠曲装置的道岔线形

※一种钢桥梁U形肋整体覆盖式翻转钻孔系统

※跨座式轻型单轨交通轨道梁抗拉支座

※电弧喷涂消声装置及消声方法

※新型钢箱梁顶板单元结构及制作方法

※钢箱梁空腹式横隔板组焊装备及制作工艺

※铁路道岔专用螺母防松机构

※联合式道岔试铺工装及试铺方法

※铁磁性材料表面开口性微缺陷的深度测量装置及测量方法

※列车入库车轮综合检测设备专用轨道及构成方法

※钢箱梁桁架式内腹板组拼结构及制作工艺

※一种大型组合梁钢主梁整孔及制作方法

※城市轨道交通道岔尖轨及制作工艺

※一种大型钢桥面板及制作方法

※道岔转辙器滚轮安装装置及工作方法

※一种大型钢桥面板及制作方法

※一种近景摄影测量用靶标

※活动式钢箱梁节段整体组焊装备及调节方法

※一种大型组合梁钢主梁总拼自动化焊接装置及自动焊接方法

※高锰钢辙叉试装调节装置及调节方法

中铁宝桥集团有限公司
CHINA RAILWAY BAOJI BRIDGE GROUP CO., LTD.

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公司简介 COMPANY PROFILE

中铁宝桥集团有限公司（简称中铁宝桥）是“世界500强”中国中铁的骨干成员企业，是国内专业制造钢桥梁、钢结构、铁路道岔、城市轨道交通设备、大型起重机械等产品的大型国有企业，被确定为“国家高新技术企业”“国家企业技术中心”“二级安全生产标准化企业”和国家首批《铸造行业准入条件》企业，是国内最大的铁路道岔研制企业。先后获得“全国重合同守信用企业”“全国质量工作先进单位”“全国文明单位”“全国五一劳动奖状”和“全国模范劳动关系和谐企业”等称号。

中铁宝桥拥有11家成员企业，分布于我国中西部、长三角和珠三角地区。集团公司注册资本12.33亿元，总资产达80亿元。具备年生产钢结构40万吨、铁路道岔1万组、高锰钢辙叉和合金钢辙叉2万个、起重机械50台的能力，研发技术和生产规模在国内处于领先地位，工艺装备和产品质量达到国际先进水平。主要产品广泛应用于铁路、公路、建筑、冶金、水电、煤矿等领域，并畅销北美、南美、欧盟、非洲、西亚、东北亚、东南亚等国家和地区。

多年来，中铁宝桥承担着国家重点工程建设和国家新产品研发任务，主项产品获得国际和国家级奖项60余项。其中，我国首组时速250公里客运专线道岔、350公里高速铁路道岔及重载铁路道岔均诞生在这里，先后获得200余项国家专利；多项钢桥梁制造技术为国内重大工程的首创，30多项工程获得国家科学技术进步奖、国家优质工程金质奖、中国建设工程鲁班奖、中国土木工程詹天佑奖等国内大奖，10多项工程相继荣获古斯塔夫·林德萨尔奖、乔治·理查德森奖及菲迪克（FIDIC）杰出项目奖等国际殊荣；在城市轨道交通领域，中铁宝桥是国内唯一能够为用户提供线路设计、产品制造、现场安装、运营维护等全系列服务厂家，是国内乃至世界轨道交通行业内唯一一个多制式、全系列轨道交通道岔产品供应商，自主研发的高、中低速磁浮道岔等城轨交通产品，填补了多项国内空白。

中铁宝桥本着“诚信立企，互利双赢”的企业价值观，恪守“用户惟大，市场惟先”的经营理念，向各界用户提供优质的产品和优良的服务，在友好的合作中努力实现“国内领先，国际一流的综合型现代工业企业集团”的发展目标。

China Railway Baoji Bridge Group Co., Ltd. (hereinafter referred to as CRBBG), a backbone member of China Railway Group Limited of the Fortune Global 500, is a large state-owned enterprise specialized in fabricating steel bridges, steel structures, railway turnouts, urban rail transit facilities and heavy lifting appliance in China, which is granted as National High-Tech Enterprise, National Enterprise Technology Center, Safety Production Standardization Enterprise and the first batch of National Enterprises with Access to Foundry Industry, and is the greatest railway turnout development enterprise in China. It has also been awarded as National Creditable Enterprise, National Quality Management Advanced Unit, National Civilized Unit, National May 1st Labor Award and National Model Labor Relations Enterprise.

CRBBG has 11 member enterprises that are distributed in the central and western region, Yangtze River delta and Pearl River delta in China, with the registered capital of RMB 1.233 billion yuan and the total assets of RMB 8 billion yuan. The annual production capacity are 400,000 tons of steel structures, 10,000 sets of railway turnouts, 20,000 pieces of high manganese steel & alloy steel crossings and 50 sets of lifting appliances. The R&D technology and production scale take a leading position in China, and the technological equipment and product quality have reached the international advanced level. The main products are widely used in railroad, highway, building, metallurgy, hydropower and coal mining, and are also exported to North America, South America, European Union, Africa, West Asia, Northeast Asia and Southeast Asia.

Over the years, CRBBG has been heavily involved in the construction of state-key projects and the research & development of new products. The main products have won more than 60 international and national awards. Among them, China's first 250km/h passenger dedicated line turnout, 350km/h high speed turnout and heavy-haul turnout were born here. The products have also won more than 200 national patents. A number of steel bridge fabrication technologies are the initiatives in domestic key projects. More than 30 projects have won National Prize for Progress in Science and Technology, Gold Award for National Quality Engineering, Luban Award for China Construction Engineering, Zhan Tianyou Award for China Civil Engineering and other domestic awards. More than 10 projects have won the international awards such as Gustav Lindenthal Medal, George S. Richardson Medal and FIDIC Outstanding Project Award. In the field of urban rail transit, CRBBG is the only domestic supplier that can provide users with a full range of services such as line design, product manufacturing, site installation and operation maintenance, and is also the only multi-type and full-series rail transit switches supplier in domestic and even world rail transit industry. The self-developed high speed maglev switches and low-to-medium speed maglev switches have filled a number of domestic blanks.

In line with the corporate value of credit and mutual benefit and the operation principle of user and market priority, CRBBG will supply quality products and excellent services to the users; and with friendly cooperation, it will make efforts to achieve the goal of becoming a first-class integrated modern industrial enterprise group at home and abroad.

公司资质 QUALIFICATION



国家高新技术企业
State Hi-Tech Enterprise



国家认定企业技术中心
National-Recognized Enterprise
Technology Center



中国100家最大交通运输设备制造业企业
The 100 Biggest Transportation
Facilities Producing Industries China



中国铁道器材研究发展基地
The Base for Research & Development of
Railway Equipment in China



质量管理体系认证
Quality Management System Certificate



职业健康安全管理体系认证
Occupational Health and Safety
Management System Certificate



环境管理体系认证
Environmental Management
System Certificate



检验检测机构资质认定
Inspection and Testing Certificate



计量资质认定
Metrology Accreditation Certificate



测量管理体系认证
Certificate of Conformity for
Measurement Management System



建筑钢结构工程专业承包壹级资质
Steel Building Structures in
Professional Contractor Grade I



钢结构制造企业特级资质
Steel Structure Fabricator
Top Grade Certificate



时速350公里整组道岔生产许可证
Production Permit for Complete
Set of Turnout for 350km/h Line



《铸造行业准入条件》资格证书
Foundry Industry Access Certificate



特种设备（起重机械）制造许可证
Manufacture License of
Special Equipment (Crane)



特种设备（起重机械）
安装改造维修许可证
Installation Alteration, Repair & Maintenance
License of Special Equipment (Crane)



铁路产品（液压复轨器）认证
Railway Product Certificate
(Hydraulic Rerailer)



美国AISC钢结构认证
AISC Certification



欧盟钢结构CE认证
CE Certification for
Steel Structures



英国UKAS-NHSS20
钢结构认证
UKAS-NHSS20 Certification
for Steel Structures

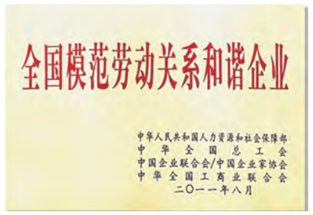


加拿大CWB钢结构认证
CWB Certification
for Steel Structures

公司荣誉 HONORS

























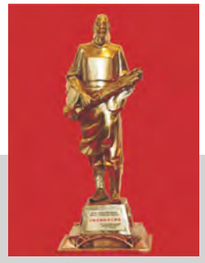




鲁班奖奖杯
Luban Award Cup



詹天佑奖奖杯
Zhan Tianyou Award Cup



李春奖奖杯
Li Chun Award Cup



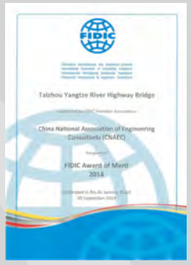
西堠门大桥荣获国际桥梁大会“古斯塔夫•林德萨尔奖”
Xihoumen Bridge is Awarded IBC Gustav Lindenthal Medal



南三桥荣获国际桥梁大会“古斯塔夫•林德萨尔奖”
Nanjing 3rd Yangtze River Bridge is Awarded IBC Gustav Lindenthal Medal



南京青奥桥荣获国际桥梁大会“亚瑟•海顿奖”
Nanjing Eye Pedestrian Bridge is Awarded IBC Arthur G. Hayden Medal



泰州大桥荣获“菲迪克工程项目优秀奖”
Taizhou Yangtze River Highway Bridge is Awarded FIDIC Award of Merit

STEEL BRIDGES
钢桥梁产品

1

CRBBG has over fifty-year experiences in fabricating steel bridges, and the fabricated bridges have granted for National Science and Technology Progress Award, National Quality Project Gold Award, National Construction Luban Award, Zhan Tianyou Civil Engineering Award and National Excellent Welding Engineering Award, which creates a number of the first. The excellent product quality has received extensive recognition and trust from experts at home and abroad.

有着五十年造桥史的中铁宝桥，承建的钢桥梁屡获国家科技进步奖、国家优质工程金质奖、建设工程鲁班奖、詹天佑土木工程奖、全国优秀焊接工程奖等殊荣，填补了中国桥梁史上多项空白，创造了多项第一。其优异的产品质量受到国内外专家的广泛关注和赞誉。

钢桁梁桥 STEEL TRUSS BRIDGES



芜湖长江公铁两用大桥

2000年建成，大桥为整体节点的公铁两用（铁路为双线）斜拉结合梁钢桁桥，主跨312米，钢桁梁全长2193米，总重量约37000吨。大桥被称为“世纪大桥”，是我国桥梁建设史上里程碑项目。

Wuhu Yangtze River Highway & Railway Bridge

Completed in 2000, this is a rail-cum-road (double-track railway) cable-stayed steel truss bridge with integral joints and composite girders. The main span is 312m. The steel trusses are totally 2,193m long with total weight of about 37,000 tons. This bridge is called as Century Bridge, which is regarded as the milestone project in national bridge construction history.



郑新黄河大桥

2010年建成，大桥为六塔连续钢桁结合梁斜拉桥，钢桁梁全长1684米，总重量约4.1万吨，是世界上最长的公铁两用桥、世界上首次采用边桁倾斜的三片主桁结构连续钢桁梁桥，也是世界上设计标准最高的公铁两用桥。

Zhengzhou–Xinxiang Yellow River Bridge

Completed in 2010, this is a six-towered cable-stayed continuous steel truss bridge with composite girders. The steel trusses are totally 1,684m long with total weight of about 41,000 tons. It is the longest rail-cum-road bridge with the highest design standard in the world, and also a continuous steel truss bridge firstly adopting three main truss structure with oblique side truss in the world.



缅甸央东大桥

2011年建成，大桥为18跨6联连续钢桁梁和2跨简支钢桁梁组成，钢桁梁全长1080米，总重量约17000吨。是缅甸第一大钢桁梁公铁两用桥。

Nyaungdon Bridge in Myanmar

Completed in 2011, this bridge consists of 18-span 6 continuous steel trusses and 2-span simple supported steel trusses. The steel trusses are totally 1,080m long with total weight of about 17,000 tons. It is the first rail-cum-road steel truss bridge in Myanmar.



郑焦城际铁路黄河大桥

2014年建成，大桥为11联2X100米连续钢桁梁，钢桁梁全长2200米,总重量约40100吨，是黄河上唯一一座四线铁路特大桥。

Zhengzhou–Jiaozuo Intercity Railway Yellow River Bridge

Completed in 2014, this is a 2x100m 11 continuous steel truss bridge. The steel trusses are totally 2,200m long with total weight of about 40,100 tons. It is the only extra-long quadruple-track railway bridge over Yellow River.

孙口黄河大桥

1995年建成，大桥为4联×108米无竖杆三角形桁架钢桁连续梁，总重量约13700吨。是中国第一座采用焊接整体节点技术的钢桁梁桥。

Sunkou Yellow River Bridge

Completed in 1995, this is a triangular truss bridge, 4 continuous steel trusses with each of 108m and no vertical levers. The total weight is about 13,700 tons. It is the first steel truss bridge adopting the integral joint welding technology in China.





台前将军渡黄河特大桥
Taiqian Yellow River Bridge



重庆东水门大桥
Chongqing Dongshuimen Bridge



大岳高速洞庭湖大桥
Dongting Lake Bridge on Linxiang-Yueyang Expressway



荆岳铁路洞庭湖大桥
Dongting Lake Bridge on Jingzhou-Yueyang Railway

钢桁拱桥 STEEL TRUSS ARCH BRIDGES

南京大胜关长江大桥

2009年建成，大桥为六跨连续钢桁拱桥，主跨2×336米。主桥长1615米，总重量约80000吨，是世界首座六线铁路大桥，也是世界上设计荷载最大的高速铁路大桥。

Nanjing Dashengguan Yangtze River Bridge

Completed in 2009, this is 6-span continuous steel truss arch bridge with main span of 2 × 336m. The main bridge is 1,615m long with total weight of about 80,000 tons. It is the first six-track railway bridge in the world as well as the high speed railway bridge with the maximum design load in the world.





贵州纳界河大桥

2015年建成，大桥为主跨352米的上承式提篮整体节点钢桁拱桥，总重量约9000吨，为目前世界上单线铁路同类桥型之最。

Guizhou Najie River Bridge

Completed in 2015, this is a deck type steel truss X-arch bridge with integral joints and main span of 352m. The total weight is about 9,000 tons. It takes the first in the same type of bridges with single track railway in the world at present.



重庆朝天门大桥

2009年建成，大桥为三跨连续钢桁系杆拱桥，主跨为552米，钢梁全长934.1米，总重量约45000吨，是目前世界上跨度最大的拱桥。

Chongqing Chaotianmen Bridge

Completed in 2009, this is a 3-span continuous steel truss bowstring arch bridge with main span of 552m. The steel girders are totally 934.1m long with total weight of about 45,000 tons. It is the arch bridge with the longest span in the world at present.

广西柳州白露大桥

2011年建成，大桥为钢桁系杆拱桥，主跨288米，全长1545米，总重量约17300吨。

Guangxi Liuzhou Bailu Bridge

Completed in 2011, this is a steel truss bowstring arch bridge with main span of 288m, total length of 1,545m and total weight of about 17,300 tons.





宁波湾头大桥
Ningbo Wantou Bridge



大瑞铁路怒江特大桥（在建）
Dali-Ruili Railway Nujiang River Bridge
(Under Construction)

钢箱（管）拱桥 STEEL BOX (TUBE) ARCH BRIDGES

厦门五缘大桥

2003年承建，主桥为58+208+58米中承式钢箱拱、钢-混叠合梁桥，全桥钢结构重量约9000吨。



Xiamen Wuyuan Bridge

Fabricated in 2003, this is a half-through steel box arch and steel-concrete composite beam bridge with the main span of 58+208+58m. The total weight of steelwork is about 9,000 tons.



临沂市南京路沂河大桥

2015年承建，是山东省临沂市南京路向东延伸跨越沂河的重要过河通道。大桥全长1023米，采用50+150+150+50m飞雁式异形拱桥，钢结构工程量6597.4吨。

Linyi Nanjing Road Yi River Bridge

Fabricated in 2015, this is the important access spanning Yi River on the extension of Nanjing Road in Linyi, Shandong. The bridge is totally 1,023m long with the wild goose shaped arch of 50+150+150+50m. The total weight of steelwork is 6,597.4 tons.

藏木雅鲁藏布江特大桥（在建）

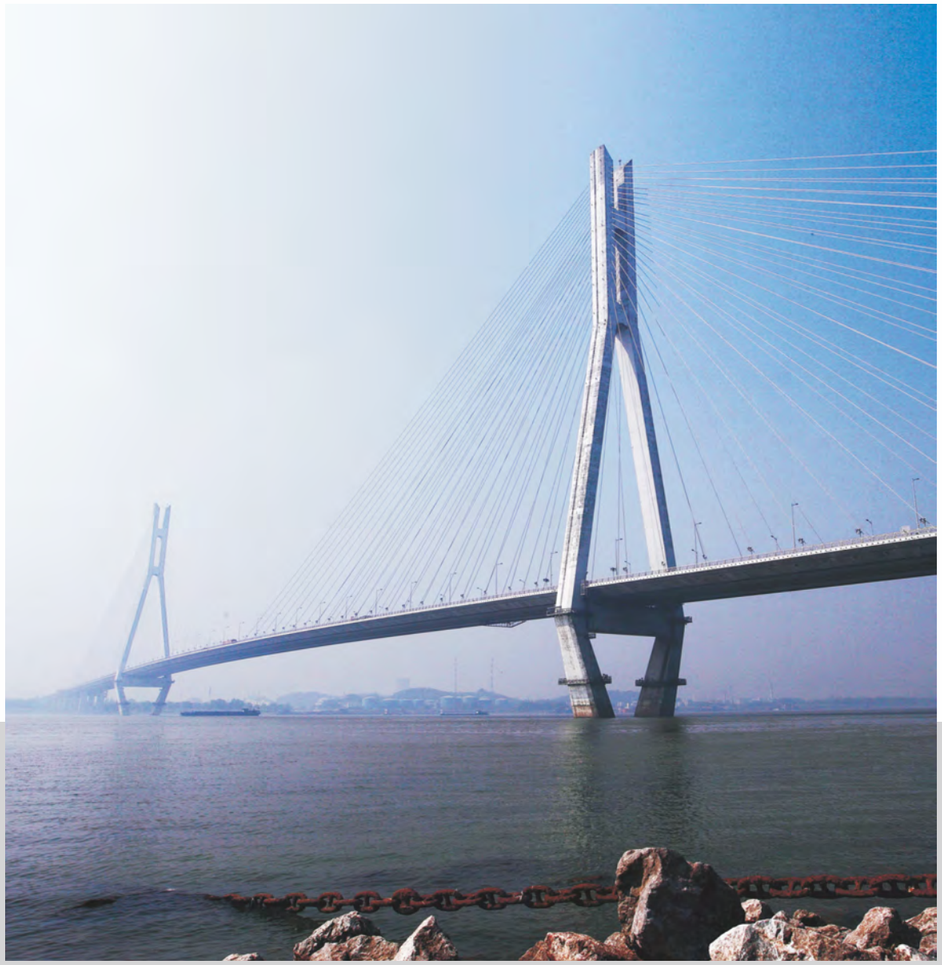
2016年承建，新建川藏铁路拉萨至林芝段（拉林铁路），位于西藏自治区东南部，全桥孔跨布置为39.6+32m连续梁+430m中承式钢管混凝土拱+28+34.6m连续梁。钢结构工程量12794吨。



Zangmu Brahmaputra River Bridge (Under Construction)

Fabricated in 2016, the bridge is on the newly built Sichuan-Tibet railway, Lhasa-Linzhi section in the southeast of Tibet Autonomous Region. The span arrangement is 39.6+32m continuous girders, +430m half-through steel tube concrete arch, +28+34.6m continuous girders. The total weight of steelwork is 12,794 tons.

钢箱梁斜拉桥 STEEL BOX GIRDER CABLE-STAYED BRIDGES



南京长江第二大桥南汊桥

2000年建成，为双塔双索面五跨连续钢箱梁斜拉桥，主跨为628米，钢箱梁全长1238米，总重23000吨，在当时同类桥梁中跨度居国内第一，世界第三。

Nanjing 2nd Yangtze River Bridge South Part

Completed in 2000, this is a 5-span continuous steel box girder cable-stayed bridge with double towers and double cable planes. The main span is 628m. The steel box girders are totally 1,238m long with total weight of 23,000 tons. It takes the first in China and the third in the world for its span among the same type of bridges at that time.

港珠澳大桥

港珠澳大桥是世界范围内规模最大、建设条件及技术要求最复杂的桥岛隧一体化集群跨海工程。主体桥梁工程全长23公里，钢结构工程总重量约40万吨。

Hong Kong–Zhuhai–Macao Bridge

Hongkong-Zhuhai-Macao Bridge is a bridge-island-tunnel integration sea-crossing project with the largest scale and the most complex construction conditions and technical requirements in the world. The main bridgework is totally 23km long and the total weight of steel structure work is about 400,000 tons.



汕头礐石跨海大桥

1999年建成，大桥为双塔双索面三跨连续钢箱梁斜拉桥，主跨518米，钢箱梁全长718米，总重量约9400吨，是我国第一座钢箱梁与P.C.箱梁混合结构斜拉桥。

Shantou Queshi Bay Bridge

Completed in 1999, this is a 3-span continuous steel box girder cable-stayed bridge with double towers and double cable planes. The main span is 518m. The steel box girders are totally 718m long with total weight of about 9,400 tons. It is the first composite cable-stayed bridge with steel box girder and PC box girder in China.





青海海黄大桥（钢混组合梁斜拉桥）
Qinghai Haihuang Bridge
(Reinforced Concrete Composite Beam Cable-Stayed Bridge)



广东江顺大桥
Guangdong Jiangshun Bridge



望东长江大桥
Wangdong Yangtze River Bridge

钢箱梁悬索桥 STEEL BOX GIRDER SUSPENSION BRIDGES



舟山西堠门大桥

2009年建成，大桥为两跨连续钢箱梁全飘浮体系悬索桥，主跨1650米，钢箱梁全长约2220米，总重量约31000吨。跨度居国内第一，世界第二，被誉为“神州第一跨”。

Zhoushan Xihoumen Bridge

Completed in 2009, this is a 2-span continuous steel box girder suspension bridge with full-floating system. The main span is 1,650m. The steel box girders are totally 2,220m long with total weight of about 31,000 tons. Such a span ranks the first in China and the second in the world, being praised as China's First Span.

广州珠江黄埔大桥
Guangzhou Pearl River Huangpu Bridge



南京长江第四大桥
Nanjing 4th Yangtze River Bridge



云南龙江大桥

2015年合龙，主桥为双塔钢箱梁悬索桥，主跨1196米，桥宽33.5米，是目前亚洲山区最大的高速公路悬索桥，钢箱梁总重量14326吨。



Yunnan Longjiang Bridge

Completed in 2015, this is a double tower steel box girder suspension bridge. The main span is 1,196m and the deck width is 33.5m. It is the greatest expressway suspension bridge in mountain areas in Asia at present. The total weight of steel box girder is 14,326 tons.



虎门第二大桥

虎门第二大桥全长12.56千米，包括两座千米级以上的特大桥梁。大沙水道桥为1200米双塔单跨钢箱梁悬索桥；坭洲水道桥为双塔双跨钢箱梁悬索桥，主跨1688米，为世界第一跨度的钢箱梁悬索桥，钢箱梁总重量7.9万吨。

2nd Humen Bridge

The 2nd Humen Bridge is totally 12.56km long, including two thousand-meter scale grand bridges. Dasha Waterway Bridge is a 1,200m steel box girder suspension bridge with double towers and single span; Nizhou Waterway Bridge is a steel box girder suspension bridge with double towers and double spans. The main span is 1,688m, which ranks the first among the steel box girder suspension bridges in the world. The total weight of steel box girder is 79,000 tons.

马鞍山长江公路大桥
Ma'anshan Yangtze River Highway Bridge



泰州长江公路大桥
Taizhou Yangtze River Highway Bridge



钢 塔 STEEL TOWERS

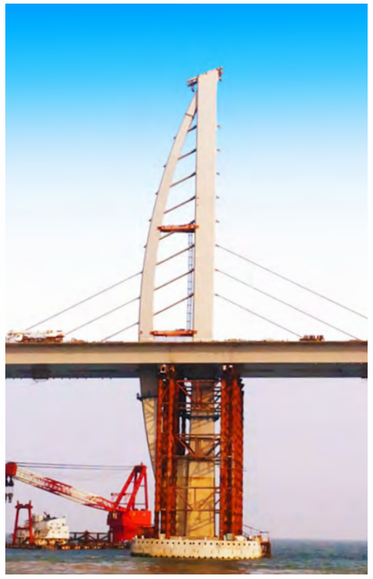


南京长江三桥钢塔柱

2004年建成，钢塔高达215米，钢塔柱节段最大吊装重量约158吨，钢塔总重量约12000吨，其“人”字型曲线结构为国内首次采用，圆曲线型设计亦属世界首创，被誉为“中国第一塔”。

Steel Tower for Nanjing 3rd Yangtze River Bridge

Completed in 2004, the steel tower is up to 215m high. The maximum lifting weight of the steel tower segment is about 158 tons. The total weight of steel tower is about 12,000 tons. The herringbone curve design is firstly adopted in China as well as takes the initiative in the world, being praised as China’s First Tower.



港珠澳大桥九洲航道桥钢塔柱
Steel Towers for Jiuzhou Channel Bridge
of Hongkong-Zhuhai-Macao Bridge



马鞍山长江公路大桥钢塔柱
Steel Tower for Ma'anshan Yangtze
River Highway Bridge



宁波大榭第二大桥钢塔
Steel Towers for 2nd Daxie Bridge



北京新首钢大桥钢塔
Steel Tower of Beijing Xinshougang Bridge



泰州长江公路大桥中塔钢塔柱
Central Steel Tower for Taizhou
Yangtze River Highway Bridge



南京青奥大桥钢塔柱
Steel Towers for Nanjing Eye Pedestrian Bridge



钢塔节段吊运现场
Lifting of Steel Tower Segment



钢塔节段机加工
Machining of Steel Tower Segment



钢塔大节段整体发运
Integral Shipment of Large
Steel Tower Segment

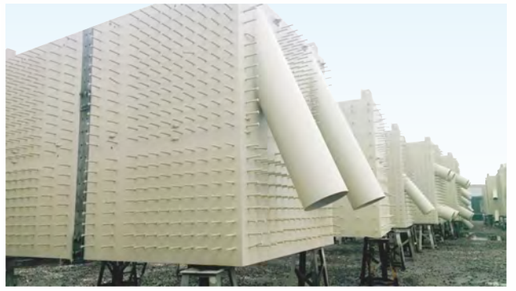
钢结构产品 STEEL STRUCTURES



南京长江第四大桥北接线滁河大桥
（波纹钢腹板）
Chuhe Bridge of North Link of Nanjing 4th Yangtze River Bridge
(Corrugated Steel Web)



西安三星半导体公司厂房
Xi'an Samsung Semiconductor Factory



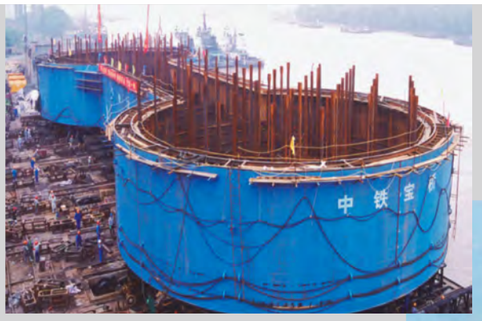
苏格兰福斯新桥锚箱
Anchor Boxes for Forth Replacement Crossing in Scotland



南京长江二桥展示馆
Exhibition Hall for Nanjing 2nd Yangtze River Bridge



汕头跳水馆
Shantou Diving Gym



桥墩钢套箱
Steel Boxed Cofferdam for Pier



桥墩钢围堰
Steel Cofferdam for Pier



电站发电机组锅炉钢构架
Boiler Steel Structures in Power Station



高层建筑钢构架
Steel Structures for Highrise Buildings

RAILWAY TURNOUTS
铁路道岔产品

2

CRBBG has been granted as Research & Development Base for Railway Materials & Equipment by the Ministry of Railways. In recent years, the R&D strength, manufacturing equipment and product quality rank among the best in domestic industry. Through introducing, absorbing and innovating, the manufacturing technology of speeding-up turnouts, high speed turnouts and others has reached the international advanced level. The products are widely laid on main lines in China, and some products are exported to North America, Europe union, Africa and Southeast Asia for a long time.

中铁宝桥被确定为“铁道器材研究发展基地”，近年来，研发力量、制造装备和产品质量在国内同行业中名列前茅。通过引进吸收创新、产学研相结合，使提速道岔、工联岔系列道岔、高速铁路道岔制造工艺达到国际先进水平，产品广泛铺设在中国铁路各主要干线上，部分产品长期出口北美、欧盟、非洲、东南亚等国家和地区。

自主研发高速道岔产品
SELF–DEVELOPED HIGH SPEED TURNOUTS



时速350公里客运专线铁路60kg/m钢轨42号单开道岔（有砟、客专线（07）011）
60kg/m Rail 1:42 Single Turnout for 350km/h Passenger Dedicated Line (Ballast, PDL (07) 011)



时速350公里客运专线铁路60kg/m钢轨
42号单开道岔（无砟、客专线（07）006）
60kg/m Rail 1:42 Single Turnout for 350km/h
Passenger Dedicated Line (Ballastless, PDL (07) 006)



时速350公里客运专线铁路60kg/m钢轨
18号单开道岔（有砟、客专线（08）016）
60kg/m Rail 1:18 Single Turnout for 350km/h
Passenger Dedicated Line (Ballast, PDL (08) 016)



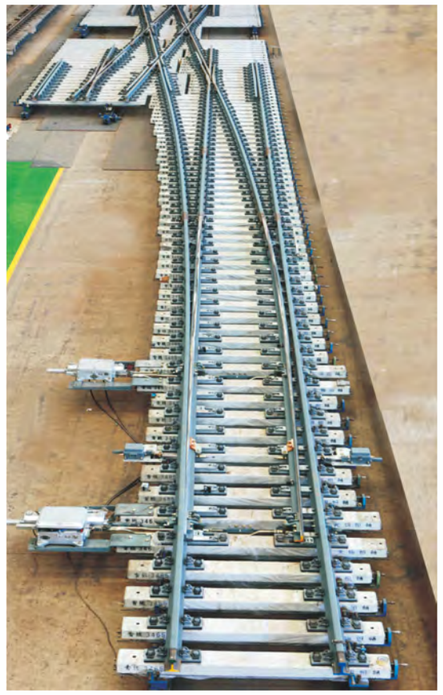
时速350公里客运专线铁路60kg/m钢轨
18号单开道岔（无砟、客专线（07）009）
60kg/m Rail 1:18 Single Turnout for 350km/h
Passenger Dedicated Line (Ballastless, PDL (07) 009)



时速250公里客运专线铁路60kg/m钢轨
18号单开道岔（有砟、客专线（07）004）
60kg/m Rail 1:18 Single Turnout for 250km/h
Passenger Dedicated Line (Ballast, PDL (07) 004)



时速250公里客运专线铁路60kg/m钢轨
12号单开道岔（无砟、客专线（10）017）
60kg/m Rail 1:12 Single Turnout for 250km/h
Passenger Dedicated Line (Ballastless, PDL (10) 017)



客运专线铁路60kg/m钢轨12号5m
间距交叉渡线（无砟、专线7677）
60kg/m Rail 1:12 Double Crossover with 5m Space for
Passenger Dedicated Line (Ballastless, ZX7677)



时速250公里客运专线铁路60kg/m钢轨
18号单开道岔（无砟、客专线（07）001）
60kg/m Rail 1:18 Single Turnout for 250km/h
Passenger Dedicated Line (Ballastless, PDL (07) 001)



时速250公里客运专线铁路60kg/m钢轨
12号单开道岔（有砟、客专线（10）018）
60kg/m Rail 1:12 Single Turnout for 250km/h
Passenger Dedicated Line (Ballast, PDL (10) 018)

技术引进高速道岔产品
HIGH SPEED TURNOUTS WITH INTRODUCED TECHNOLOGY



60kg/m钢轨41号高速单开道岔（无砟、CZ6006）
60kg/m Rail 1:41 High Speed Single Turnout (Ballastless, CZ6006)



60kg/m钢轨18号高速单开道岔（有砟、CZ6001）
60kg/m Rail 1:18 High Speed Single Turnout (Ballast, CZ6001)



60kg/m钢轨18号高速单开道岔（无砟、CZ6002）
60kg/m Rail 1:18 High Speed Single Turnout (Ballastless, CZ6002)



60kg/m钢轨41号高速单开道岔
（有砟、CZ6011）
60kg/m Rail 1:41 High Speed
Single Turnout (Ballast, CZ6011)



60kg/m钢轨18号高速单开道岔
（有砟、多机多点、CZ6007）
60kg/m Rail 1:18 High Speed Single
Turnout (Ballast, Multi-motor, CZ6007)

重载道岔产品 HEAVY HAUL TURNOUTS



重载道岔60kg/m钢轨18号固定型辙叉
单开道岔（研线1302）
60kg/m Rail 1:18 Single Turnout with Fixed Crossing for
Heavy Haul Railway (YX1302)



重载道岔60kg/m钢轨12号固定型辙叉
单开道岔（砼枕、CZ3519、研线1115）
60kg/m Rail 1:12 Single Turnout with Fixed Crossing for
Heavy Haul Railway (Concrete Bearer, CZ3519, YX1115)



重载道岔75kg/m钢轨18号可动心轨辙叉
单开道岔（CZ723、研线1303）
75kg/m Rail 1:18 Single Turnout with Swing Nose Crossing for
Heavy Haul Railway (CZ723, YX1303)



重载道岔75kg/m钢轨12号单开道岔
（CZ720、研线1116）
75kg/m Rail 1:12 Single Turnout for Heavy Haul
Railway (CZ720, YX1116)

工联岔道岔产品 TURNOUTS DESIGNED JOINTLY BY CREC



时速250公里60kg/m钢轨30号单开道岔（有砟、GLC（08）06）
250km/h 60kg/m Rail 1:30 Single Turnout (Ballast, GLC (08)06)



时速200公里60kg/m钢轨12号可动心轨辙叉单开道岔（轧制翼轨、GLC（08）01）
200km/h 60kg/m Rail 1:12 Single Turnout with Swing Nose Crossing (Rolled Wing Rail, GLC (08)01)



时速200公里60kg/m钢轨18号（R1100m）
可动心辙叉单开道岔（GLC（07）02）
200km/h 60kg/m Rail 1:18 (R1100m) Single
Turnout with Swing Nose Crossing (GLC (07)02)



时速160公里60kg/m钢轨18号（R1000m）
可动心辙叉单开道岔（GLC（07）03）
160km/h 60kg/m Rail 1:18 (R1000m) Single
Turnout with Swing Nose Crossing (GLC (07)03)



时速200公里60kg/m钢轨18号可动心辙叉
单开道岔（GLC（09）04）
200km/h 60kg/m Rail 1:18 Single Turnout
with Swing Nose Crossing (GLC (09)04)



60kg/m钢轨18号固定型辙叉
单开道岔（GLC（09）05）
60kg/m Rail 1:18 Single Turnout
with Fixed Crossing (GLC (09)05)

提速及普速道岔产品
SPEED–UP & ORDINARY SPEED TURNOUTS



60kg/m钢轨18号提速改进型可动心辙叉单开道岔（专线4223）
60kg/m Rail 1:18 Improved Speed-up Single Turnout with Swing Nose Crossing (ZX4223)



60kg/m钢轨12号Ⅱ型提速单开道岔（专线4249）
60kg/m Rail 1:12 Type II Speed-up Single Turnout (ZX4249)



92改进型60kg/m钢轨9号单开道岔（CZ577）
60kg/m Rail 1:9 Improved Single Turnout in 1992 (CZ577)



92改进型60kg/m钢轨12号单开道岔（SC330）
60kg/m Rail 1:12 Improved Single Turnout in 1992 (SC330)



60kg/m钢轨12号Ⅱ型5.0m间距
交叉渡线（CZ548、专线7623）
60kg/m Rail 1:12 Type II Double Crossover
with 5.0m Space (CZ548, ZX7623)

地铁道岔产品 METRO TURNOUTS

为解决城市轨道交通及地铁类道岔噪声较大的问题，我公司于2015年成功研究开发了减振道岔。该道岔以“减振降噪，延长寿命，提升道岔整体性能”为研制目标，采用独有技术“双层非线性道岔减振扣件”进行减振降噪设计，与普通道岔扣件相比，减振量大于8dB。同时，通过先进的制造工艺，打造了减振降噪效果优良、零部件寿命长、施工便利、少维护等优点的新型减振道岔。

CRBBG successfully developed anti-vibration turnout in 2015 to solve the noise problem for urban rail transit and metro turnouts. Aiming at vibration and noise reduction, increase of service life and improvement of the overall performance of turnout, this turnout is designed with an unique technology, double-layer nonlinear anti-vibration fastener, with which the vibration reduction is greater than 8dB compared with the common turnout fasteners. Meanwhile, through advanced manufacturing processes, the new anti-vibration turnout is produced with the advantages of effective noise reduction, long life of components and parts, convenient construction and less maintenance.



城市轨道交通50kg/m钢轨7号单开减振道岔（CZ2340）
50kg/m Rail 1:7 Anti-Vibration Single Turnout for Urban Rail Transit (CZ2340)



60kg/m钢轨12号地铁道岔
60kg/m Rail 1:12 Metro Turnout



城市轨道交通60kg/m钢轨9号单开道岔（整体道床、城轨237）
60kg/m Rail 1:9 Single Turnout for Urban Rail Transit (Solid Concrete Bed, UR237)

工矿专用线道岔产品
TURNOUTS FOR INDUSTRY & MINING & SPECIAL RAILWAY LINE



60kg/m钢轨7号外式复式交分道岔（CZ2563）
60kg/m Rail 1:7 Double Slip Turnout (CZ2563)

有轨电车道岔产品 TRAMWAY TURNOUTS



北京西郊线有轨电车59R2槽型钢轨6号单开道岔（CZ6015）
59R2 Grooved Rail 1:6 Single Turnout for Beijing Western Suburb Tramway (CZ6015)



北京西郊线有轨电车59R2槽型钢轨3号单开道岔（CZ6019）
59R2 Grooved Rail 1:3 Single Turnout for Beijing Western Suburb Tramway (CZ6019)



北京西郊线有轨电车59R2槽型钢轨6号4.5m间距交叉渡线（CZ6018）
59R2 Grooved Rail 1:6 Double Crossover with 4.5m Space for Beijing Western Suburb Tramway (CZ6018)



武汉东湖有轨电车道岔
Wuhan East Lake Tramway Turnout



深圳龙华有轨电车5+2梳字型道岔
Shenzhen Longhua Tramway Turnout

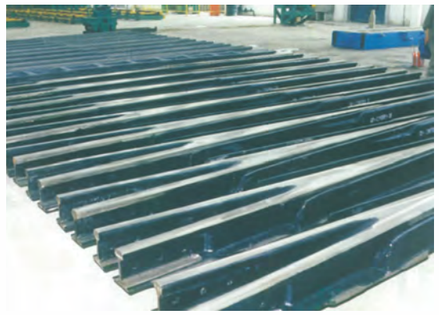
高锰钢辙叉及合金钢辙叉产品
HIGH MANGANESE STEEL & ALLOY STEEL CROSSINGS

为解决焊接式高锰钢整铸辙叉焊接接头部位探伤异常波形的问题，开发了嵌入式组合高锰钢辙叉，该辙叉采用铸造高锰钢与钢轨组合结构，取消了原焊接式高锰钢整铸辙叉的焊接介质，实现了辙叉转移滚动区在翼轨及心轨的最大冲击部位全锰钢化，并通过爆炸预硬化技术，提高了辙叉整体性能，可实现辙叉与岔区钢轨的焊连，有利于现场探伤，可整体替换原焊接式高锰钢整铸辙叉。我公司研制的该型辙叉已于2015年4月通过中国铁路总公司运输局组织的试制试铺审查。（审查文号：运工线路函[2015]192号）

The rail-bound assembled high manganese steel crossing is developed to solve the problem of abnormal waveform detected in the welded joint of the welded solid manganese steel crossing. This crossing combines cast manganese steel and rail, and abandons the welding agent for the original welded solid manganese steel crossing; thus all manganese steel is achieved at the maximum impact position of wing rail and point rail in the switching and rolling area of the crossing, and with explosive prehardening technology, the overall performance of the crossing is improved. The crossing can be welded to the rail in the turnout area, which is convenient for field detection, and it can entirely replace the original welded solid manganese steel crossing. This crossing developed by CRBBG had been approved by the trial manufacture & assembly review organized by The Transport Bureau of China Railway Corporation in April 2015 (Review Ref No.: Transportation Engineering Line Letter [2015]192).



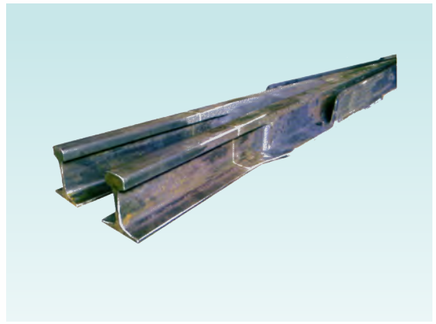
嵌入式组合高锰钢辙叉（CB2645B）
Rail-Bound Assembled High Manganese Steel Crossing (CB2645B)



细晶粒预硬化高锰钢辙叉
Fine-Grained Prehardened High Manganese Steel Crossings



超强高韧性焊接式合金钢辙叉
Super-Strength High-Toughness Welded Alloy Steel Crossings



焊接式高锰钢辙叉
Welded High Manganese Steel Crossings



镶嵌式组合合金钢辙叉（CB2645A）
Rail-Bound Assembled Alloy Steel Crossing (CB2645A)



锻造高锰钢心轨组合辙叉
Forged High Manganese Steel Crossings with Bolted Point Rail

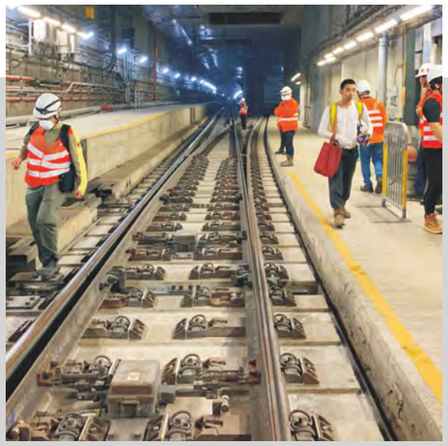


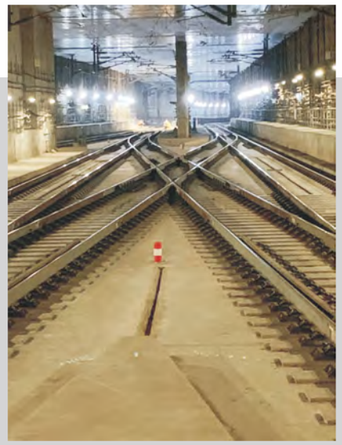
高强韧贝氏体钢拼装辙叉
High Strength and Ductility Bainite Steel Bolted Crossing

海外道岔产品 EXPORTED TURNOUTS



出口委内瑞拉时速220公里UIC60-18号高速道岔
UIC60 1:18 Turnout for 220km/h High Speed Line Exported to Venezuela





广深港客专（香港段）CHN60系列整组道岔
Complete Set of CHN60 Turnout for Guangzhou-Shenzhen-Hongkong PDL (Hongkong MTR)



出口印尼UIC54-12号单开道岔
UIC54 1:12 Simple Turnout Exported to Indonesia



出口马来西亚的整组道岔
Complete Set of UIC54 Turnout Exported to Malaysia



出口泰国的整组道岔
Complete Set of BS100A,BS80A Turnout Exported to Thailand

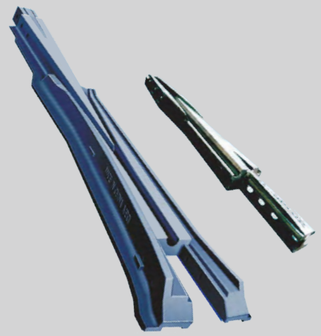




出口南非60E1 系列重载
道岔 （轴重：32吨）
60E1 Heavy Haul Turnout Exported
to South Africa (Axle Load: 32 tons)



出口韩国KS60系列高锰钢辙叉
Ks60 High Manganese Steel
Crossing Exported to Korea



出口北美地区的高锰钢辙叉
Manganese Steel Frog Exported to
North America(RBM & Self-Guard)

HOISTING MACHINERY PRODUCTS

3

起重机械产品

CRBBG is the key enterprise in the field of manufacture, installation, modification and maintenance of hoisting and handling machinery. The products integrate mechanism, hydraumatic and electric control, which have many characteristics such as new in structure, easy for installation, steady and durable, and safe and reliable. Always following the market demands at home and abroad, the enterprise successively developed large hoisting and handling equipment and the intelligent container gantry crane, which have been widely used in bridge and railway construction, docks and freight yards. The design and manufacture of nonstandard products can also be provided according to customer's requirement, thus to achieve the turn-key project for the design, manufacture, installation and setting of hoisting machinery.

中铁宝桥是我国起重运输机械制造、安装、改造、维修的重点大型企业，产品融合机械、液压、电控于一体，具有结构新颖、安装方便、坚固耐用、安全可靠等诸多特点。企业紧跟国内外市场需求，相继研制了大型运架、装卸设备和智能化集装箱门式起重机，产品广泛运用于桥梁线路施工、码头和物流集散货场。根据客户需求，还可进行非标准产品的设计与制造。起重机械产品集设计、制造、安装、调试于一体，可实现“交钥匙”工程。



1100吨双梁门式起重机
1,100 t Double Girder Gantry Crane



智能化集装箱门式起重机
Intelligent Gantry Crane for Containers



900吨架桥机
900t Bridge-erecting Crane



500吨提梁机
500t Girder-lifting Crane



跨座式单轨作业车
Straddle Monorail Engineering Vehicle



跨座式单轨作业车（CPZ50）
Straddle Monorail Engineering Vehicle(CPZ50)

URBAN RAIL TRANSIT PRODUCTS
城市轨道交通产品

4

In the emerging urban rail transit field, CRBBG is always standing in the forefront of scientific research, and has undertaken a number of national subject studies in 863 Plans and technical support plans. It has successfully developed, manufactured and installed products such as high speed maglev flexible switches with diverging speeds of 98km/h and 196km/h, 24m traverse table, whole series of switches for medium-low speed maglev and straddle monorail transit, straddle monorail engineering vehicle, straddle switches for tourism light rail, and suspended monorail switches, which have been widely used in traffic lines in Beijing, Shanghai, Chongqing, Shenzhen, Changsha, Chengdu and Xi'an.

在新兴的城市轨道交通领域，中铁宝桥始终站在科技前沿，承担完成了多项国家“863”计划、科技支撑计划的课题研究，先后成功研制开发并制造安装了侧线过车98km/h、196km/h的可挠高速磁悬浮道岔和24米移车台、中低速磁悬浮全系列道岔、跨座式单轨交通全系列道岔和跨座式单轨作业车、跨座式观光轻轨转辙道岔，及悬挂式空轨道岔等产品。目前已广泛用于北京、上海、重庆、深圳、长沙、成都和西安等城市的交通线路上。

高速磁悬浮交通系统 High Speed Maglev Transit System

在我国上海龙阳路地铁站——浦东机场修建的第一条高速磁悬浮商业运行线中，中铁宝桥先后承担了全线功能件、轨道梁的加工制造和安装调试任务；为了加快高速磁悬浮技术的国产化研究，中铁宝桥又参与了国家高技术研究发展计划（简称863计划）“三个一工程”（即一组道岔、一台机车、一个控制系统）项目，先后成功研制了侧线过岔速度98Km/h和侧线过岔速度196Km/h两种规格高速磁悬浮道岔以及24m高速磁悬浮移车台。

For China's first commercially operated high speed maglev line from shanghai's Longyang road station to Shanghai Pudong international airport, CRBBG undertook the manufacture, installation and setting of all functional elements and track beams. To speed up the localization of high-speed maglev technology, CRBBG has also participated in the National High Technology Research and Development Program(called 863 for short), and has successfully developed two types of high-speed maglev switches with diverging speeds of 98km/h and 196km/h respective as well as 24m high-speed maglev transfer table.



国际第一条磁悬浮商业运行线——上海高速磁悬浮运营线
The First International Commercial Maglev Line-Shanghai High Speed Maglev Line



侧线过车时速98千米
高速磁悬浮可挠道岔
Flexible Switches for High Speed Maglev with 98km/h Diverging Speed



侧线过车时速196千米
高速磁悬浮可挠道岔
Flexible Switches for High Speed Maglev with 196km/h Diverging Speed



高速磁悬浮可挠道岔
Flexible Switches For high Speed Maglev

中低速磁浮交通系统 Medium-Low Speed Maglev Transit System

中铁宝桥在这一领域研究已有15年，先后成功研制了：国防科技大学中低速磁浮试验线道岔及线路轨排、上海国家磁浮交通工程技术研究中心中低速磁浮试验线道岔、线路F型轨，基于中铁宝桥在中低速磁浮领域的雄厚技术实力，又一举中标设计、制造北京20Km中低速磁浮S1线中低速磁浮全系列道岔16组，其中包括单开道岔、三开道岔、单渡线道岔、交叉渡线道岔四种型号道岔。为长沙磁浮快线工程承担了6476根F轨（总长76760米）的制造任务。

CRBBG has researched in this field for 15 years and has developed the switches and track panels for medium-low speed maglev test lines of National University of Defense Technology, and the switches and F rails for medium-low speed maglev test lines of Shanghai National Maglev Technology Research Center. Based on CRBBG's powerful technical strength in this field, CRBBG has also won the tender of designing and manufacturing 16 sets of turnouts for 20km Beijing medium-low speed maglev S1 line, which includes four types of switches such as single switches, 3-way switches, single crossover and scissors crossing. 6,476 pieces of F-shaped rails were manufactured for Changsha Meglev Express Project and the total length is 76,760m.



长沙中低速磁浮及线路轨排
Changsha Medium-Low Speed Maglev and Track Panels



长沙中低速磁浮及线路轨排
Changsha Medium-Low Speed Maglev and Track Panels



北京中低速磁浮道岔
Beijing Medium-Low Speed Maglev Switches

跨座式单轨交通系统 Straddle Monorail Transit System

跨座式单轨交通系统是一种结构独特、控制设施先进、运行安全可靠的城市轨道交通运行模式，具有振动小、噪音低、爬坡能力强等诸多特点。中铁宝桥研制的PC梁铸钢支座、关节型单开道岔、关节型三开/五开道岔、关节可挠型单开道岔、关节可挠型复合渡线道岔和跨座式单轨作业车等关键装备成功地应用于重庆2#、3#单轨交通系统线路。2016年中铁宝桥跨座式单轨产品又成功推广并用于比亚迪云轨项目。

The straddle-type monorail is a kind of urban rail transit with unique structure, advanced control system, and safe and reliable operation, which has the features of less vibration, low noise and strong gradeability. The key equipment developed by CRBBG, such as cast steel supports of PC beams, joint-type single switches, joint-type 3-way/5–way switches, flexible joint–type single switches, flexible joint-type composite crossovers, and straddle monorail engineering vehicles, have been successfully applied to Lines 2 and 3 of Chongqing monorail transit system. And in 2016, CRBBG's straddle monorail products were successfully promoted and applied to BYD monorail project.



跨座式单轨交通PC梁支座
PC Beam Support for Straddle Monorail



跨座式关节型单开道岔
Straddle Joint-Type Single Switch



跨座式关节型五开道岔
Straddle Joint-Type 5-Way Switch



跨座式单轨交通关节型道岔
Joint-Type Switch for Straddle Monorail



跨座式单轨作业车
Straddle Monorail Engineering Vehicle



深圳比亚迪“云轨”
Shenzhen BYD Monorail

悬挂式轨道交通系统 Suspended Rail Transit System

空中列车打破传统城轨模式，将交通线路由地面引向空中。该系统具有造价低、工程快、无污染、可拆卸、占地少、结构时尚、不影响原有地面建筑等优点，同时，由于其线路轨道采取包覆式构造，可实现任何环境下的系统运行，是城市轨道交通发展的新方向。中铁宝桥作为国内唯一一家负责线路轨道梁、立柱和道岔的国产化研究及制造安装的集团化企业，目前已将该产品成功用于四川成都中唐空铁试验线项目中。

The suspended monorail breaks traditional urban rail mode and introduces the traffic lines form ground toward air. The system has the advantages of low cost, quick construction, no pollution, dismountability, less occupation of land, fashion structure, and no influence on the original ground buildings, moreover, due to its structure of covered tracks, the system can be operated in any environment, which is the new development direction for urban rail transit. CRBBG is the only group enterprise in China in the field of nationalization research and manufacture and installation of track beams, columns and switches, and now has successfully applied the products to Zhong Tang suspended monorail test line in Chengdu, Sichuan.



中唐空铁线路道岔
Zhong Tang Suspended Monorail Switches



中唐空铁试验线
Zhong Tang Suspended Monorail Test Line

跨座式空中观光轨道系统 Steel straddle-type monorail

跨座式空中观光轨道系统，是一种新兴的城市轨道交通系统，在距地面8-10m的高空运行，具备线路设计灵活、施工便利、乘坐舒适、节约用地、造价相对较低等显著特点。钢结构的轨道梁、支座、立柱可以实现工厂化生产，现场安装架设，施工便捷。发生紧急情况时人员疏散和救援容易，具有较高的安全可靠性。中铁宝桥承担了西安曲江观光轻轨、宁波世界商业广场游园列车轨道、铜陵北斗星城观光线和黄陵观光轻轨线总包合同等项目相关产品的设计、制造和安装。

Steel straddle-type monorail is a new urban rail transit and the train runs at the elevation of 8-10m from the ground, which has the features of flexible track design, convenient installation, comfortable ride, saving land and low costs. The factory production of steel track beams, supports and columns can be achieved. The evacuation and succor in emergency is easy and the system has high safety and reliability. CRBBG undertook the design, manufacture and installation of related products for Xi'an Qujiang monorail project, Ningbo theme park monorail project, Tongling Dipper City monorail project and lump sum contract of Huangdi Mausoleum Scenic monorail project.



西安曲江旅游观光工程
Xi'an Qujiang Monorail Project



黄帝陵景区
观光小火车项目（在建）
Huangdi Mausoleum Scenic Monorail Project (Under Construction)

西安曲江观光轻轨轨道梁　Track and Columns for Xi'an Monorail



中铁宝桥（扬州）有限公司
China Railway Baoji Bridge (Yangzhou) Co., Ltd.



中铁宝桥（扬州）有限公司地处扬州市广陵区新材料产业园，专业生产钢桥梁、钢结构、城市轨道交通设备、门式起重机等，占地面积约830亩，建有64500平方米大型铆焊联合厂房和机加工厂房、21105平方米打砂涂装厂房、20514平方米总拼车间、10220平方米重钢生产线，9000平方米智能车间，3000吨级进料码头，5000吨级港池式码头及配套800吨门式起重机，以及各种运输设备和大型机械设备400余台套，年产钢梁钢结构15万吨。

近年来，公司连续承担了泰州长江公路大桥、京沪高铁南京大胜关大桥、南京长江第三大桥、南京长江第四大桥、马鞍山长江公路大桥、南京青奥公园步行桥、港珠澳大桥、沪通长江大桥、蒙西华中铁路洞庭湖特大桥等国家重点工程项目的生产制造任务，已成为国内最大的专业化、现代化大型钢梁钢结构生产制造基地。

地址：江苏省扬州市广陵区新材料产业园　　邮编：225107

电话：0514-87418009　　传真：0514-87418009

China Railway Baoji Bridge (Yangzhou) Co., Ltd., located in Guangling Industrial Park, Yangzhou, is a professional manufacturer of steel bridges, steel structures, urban rail transit products and gantry cranes. With an area of about 460,000 square meters, the company owns the workshops of 64,500 square meters for rivet welding and machining, 21,105 square meters for sandblasting and painting, 20,514 square meters for general assembly and 10,200 square meters for heavy steel production line. It also has a 3,000t loading dock, 5,000t wharf and 800t gantry cranes, as well as over 400 sets of various transportation equipment and mechanical equipment, which provide the company with an annual capacity of 150,000 tons of steel bridges and structures.

In recent years, with fabrication of many state key projects, such as Taizhou Yangtze River Highway Bridge, Nanjing Dashengguan Bridge, Nanjing 3rd Yangtze River Bridge, Nanjing 4th Yangtze River Bridge, Ma'anshan Yangtze River Highway Bridge, Nanjing Eye Pedestrian Bridge, HongKong-Zhuhai-Macao Bridge, Shanghai-Nantong Yangtze River Bridge and Dongting Lake Bridge, the company has become the largest professional and modern manufacturing base for steel bridges and structures in China.

Add: Xinba, Lidian Town, Guangling District, Yangzhou, Jiangsu 225107, China
Tel: +86 (0)514 87418009
Fax: +86 (0)514 87418009



数控等离子切割机
NC Plasma Cutting Machine



钢板预处理线
Plate Preprocessing Line



钢板矫平机
Plate Levelling Machine





多嘴头龙门焊机
Multi-Head Gantry Welding Machine

落地镗铣床
Floor Type Boring & Milling Machine



U肋板单元装配机
U Rib Panel Assembly Machine





横隔板焊接机器人
Diaphragm Welding Robot

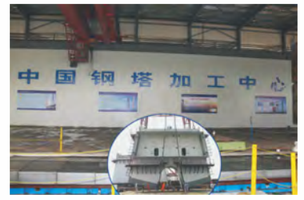
三维激光测量仪（API）
3D Laser Measuring Instrument (API)



双面数控专用钻床
Double-Sided NC Drilling Machine



节段平面度、垂直度检测
Check of Flatness & Perpendicularity of Segment



钢塔加工中心
Steel Tower Machining Center



61.5米×160米钢箱梁总装厂房
61.5m x 160m Workshop for General Assembly of Steel Box Girders



300亩存梁场地
200,000 sqm Girder Storage Yard



400吨门式起重机
400-ton Gantry Crane



50吨门座式起重机
50-ton Gantry Crane



扬州公司全景图
Overall View of the Company

中铁宝桥（南京）有限公司
China Railway Track Equipment Co., Ltd.

中铁宝桥（南京）有限公司是以铁路道岔研发、制造、储运、安装为主的大型高新技术企业。公司占地380亩，设备166台套，修建铁路专用线4.2公里，设计年生产能力为整组道岔2000组，总投资为10亿元。

中铁宝桥（南京）有限公司以“国内领先、国际一流”为企业目标，契合道岔技术的发展方向，实现了从原材料存储到产品发运全过程的室内作业，确保了产品质量。同时，在国内首家具备整组发运能力。在制造技术上，以宝桥40多年生产经验为基础，对生产流程、工艺装备进行了全面优化，引入ERP计算机管理信息系统，全面实现企业管理、研发设计和制造流程的信息化、智能化，极大提高了企业生产系统对市场的快速反应能力，以及产品质量的过程控制能力和可追溯性。

地址：江苏省南京市经济技术开发区仙新中路6号　邮编：210046

电话：025-87720262　传真：025-87723539





专用钢轨铣床
Special Rail Milling Machine



万能力学性能试验机
Universal Mechanical Testing Machine



5000吨压力机
5,000t Press



铁路专用线
Special Railway Lines



客专道岔
Turnouts for Passenger Dedicated Line



生产区一角
A Part of Production Area

China Railway Track Equipment Co., Ltd., with total investment of RMB 1 billion yuan, is a large high-tech enterprise mainly in the research, development, manufacture, storage, transportation and installation of railway turnouts. With an area of 250,000 square meters, 166 sets of various equipment, and 4.2 km railway siding, the company has annual capacity of 2,000 sets of turnout.

With the enterprise goal of “China’s First, World’s Best”, China Railway Track Equipment Co., Ltd. conforms to the development trend of turnout technology and realizes the indoor operations from raw material storage to product shipment, which ensure product quality. In the meanwhile, the company is the first in China to have the ability to dispatch complete set of turnout. In manufacturing technology, based on CRBBG’s 40-year manufacture experiences, the process flow and the equipment have been optimized and ERP computer management system has been introduced, which completely realize the informationization and intelligentization of enterprise management, R&D and manufacture, and also greatly improve the quick reaction capability of production system to the market as well as the process control capability and the traceability of product quality.

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Tel: +86 (0)25 87720262
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南京公司厂区鸟瞰
Overall View of the Company



EQUIPMENT
企业设备展示

China Railway Baoji Bridge Group Co., with the total assets of 5 billion yuan. It owns over 3000 sets of machining equipment with annual production capacity of 250,000 tons of steel structures, 10,000 sets of railway turnouts, 20,000 pieces of high manganese steel & alloy steel crossings and 50 sets of lifting appliances. The research & development technology and the production scale take a leading position in China, and the technological equipment and product quality have reached the international advanced level.

中铁宝桥总资产达50亿元。拥有加工设备3000余台套，具备年生产钢结构25万吨、铁路道岔1万组、高锰钢辙叉和合金钢辙叉2万个、起重机械50台的能力，研发技术和生产规模在国内处于领先地位，工艺装备和产品质量达到国际先进水平。



54米龙门镗铣加工中心
54m Gantry Boring & Milling Machining Center



闪光对焊机
Flash Butt Welding Machine



5000吨压力机
5,000t Press Machine



中频淬火机
Intermediate Frequency Quenching Machine



56米龙门镗铣加工中心
56m Gantry Boring & Milling Machining Center



双联动数控板料折弯机
Duplex NC Plate Bending Machine



数控加工中心
NC Machining Center



自动弧焊中心
Automatic Arc Welding Center

德国运梁平车
German Girder Carrier



焊接机器人
Welding Robot



16米刨边机
16m Edge Planer













A 钢梁生产现场
Steel Girder Production Site

F 磁浮道岔安装现场
Maglev Turnout Installation Site

B 数控钻床
NC Drilling Machine

C 水下等离子切割机
Underwater Plasma Cutting Machine





G VRH 造型生产线
VRH Molding Line

H 辙叉铣床
Milling Machine for Crossings

I 高速道岔生产现场
High Speed Turnouts
Production Site

D 25米数控铣床
25m NC Milling Machine

E 法因数控多头钻床
FIN NC Multi-Head Drilling Machine







A


A


A

A 高能射线检测中心
High-Energy Radiation Test Center


B

B 万能力学性能试验机
Universal Test Machine for
Mechanical Properties


C

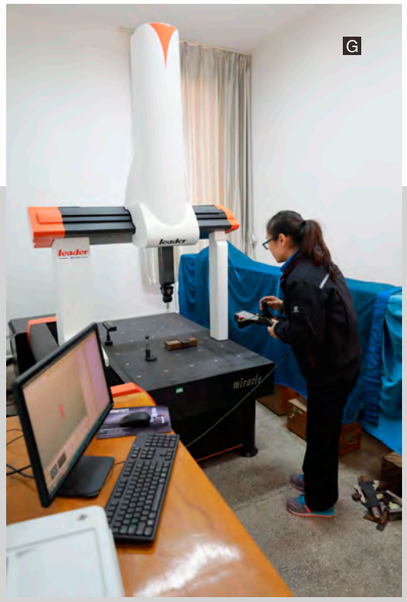
C 多功能校准仪
Multi-Function Calibrating Device


D

D 金相显微镜
Metalloscope


E

钢轨静弯机 E
Rail Bending Machine


G

直读光谱仪 F
Direct-Reading Spectrograph


F

三坐标测量机 G
Coordinate Measuring Machine



H

冲击试验机 H
Impact Testing Machine

中铁宝桥产品荣誉录

钢梁钢结构产品（部分荣誉）

★ 1981年，建成的汉江大桥钢箱梁，获国家优质工程金奖、铁道部优质工程奖、国家科技进步一等奖
★ 1985年，建成的长东黄河大桥钢梁，获铁道部优质工程（甲级）奖
★ 1987年，建成的胜利黄河大桥钢梁，获国家建筑工程鲁班奖、全国优秀焊接工程奖
★ 1991年，建成的缅甸仰光丁茵大桥钢梁，获全国优秀焊接工程奖
★ 1998年，建成的汕头礐石跨海大桥钢梁，获全国优秀焊接工程奖
★ 2000年，建成的芜湖长江公铁两用特大钢梁，获2001年度国家建筑工程鲁班奖、国家科技进步一等奖、第三届詹天佑土木工程大奖、2004年荣登全国十大建设科技成就金榜
★ 2000年，建成的南京长江第二大桥南汊桥钢梁，获国家科技进步一等奖、詹天佑土木工程奖、2003年度国家建筑工程鲁班奖、2004年度国家优质工程金质奖、全国优秀焊接工程一等奖、入选首届中国十佳桥梁
★ 2004年，建成的南京长江第三大桥钢塔，获国家科技进步二等奖、2009年国家优质工程金质奖、2005年度全国优秀焊接工程一等奖、2006年中国公路学会“特大跨径桥梁钢塔和深水基础设计施工创新技术研究”科学技术特等奖、国际桥梁大会古斯塔夫•林德萨尔奖、詹天佑土木工程大奖
★ 2007年，参建的舟山金塘大桥，获2016-2017年度中国建设工程鲁班奖（国家优质工程）、全国公路交通优质工程（李春）奖
★ 2008年，建成的广州珠江黄埔大桥，获全国优秀焊接工程一等奖
★ 2008年，建成的青银高速公路济南黄河大桥钢箱梁，获得2011年全国优秀焊接工程一等奖
★ 2008年，建成的舟山西堠门大桥，获2010年度全国优秀焊接工程一等奖、国际桥梁大会古斯塔夫•林德萨尔奖、菲迪克2015年度工程杰出项目奖、2015年度中国建设工程鲁班奖；舟山大陆连岛工程系列跨海大桥荣获2015年度国家科学技术奖
★ 2009年，参建的宁波湾头大桥，获2012年度全国优秀焊接工程一等奖
★ 2011年，参建的重庆朝天门长江大桥，获第十届中国土木工程詹天佑奖
★ 2011年，参建的马鞍山长江公路大桥钢塔柱及钢箱梁，获2015-2016年度中国建设工程鲁班奖、全国优秀焊接工程一等奖、第33届国际桥梁大会乔治•理查德森奖、国际咨询工程师联合会——菲迪克2016年度工程项目奖
★ 2012年，承制的南京长江二桥、芜湖长江大桥，重庆朝天门大桥3座大桥入选“百年百项杰出土木工程”
★ 2012年，参建的南京大胜关大桥，获2012-2013年度中国建设工程鲁班奖、2012年国际桥梁大会乔治•理查德森奖、国际桥梁及结构工程协会2015年度杰出结构工程大奖；京沪高铁获2015年度国家科技进步特等奖
★ 2013年，研究的悬索桥主缆分布传力锚固系统设计施工关键技术研究，获中国公路学会“科学技术”特等奖
★ 2013年，参建的鄂尔多斯苏扬公路2号桥，获2013年全国优秀焊接工程一等奖
★ 2013年，参建的泰州长江公路大桥工程，获英国结构工程师学会2013年卓越结构工程奖、国际桥梁及结构工程协会2014年度杰出结构工程大奖、国际咨询工程师联合会——菲迪克2014年度优秀工程项目奖、2014年获全国优秀焊接工程一等奖、中国公路学会科学技术特等奖、湖北省科学技术一等奖、2014年度江苏省优质工程奖扬子杯
★ 2014年，参建的郑州黄河公铁两用桥，获中国建设工程鲁班奖、国际咨询工程师联合会——菲迪克2014年度优秀工程项目奖
★ 2015年，参建的南京青奥步行桥，获第32届国际桥梁大会世界桥梁创新大奖——亚瑟•海顿奖
★ 2015年，参建的重庆东水门长江大桥，获2015年度全国市政金杯示范工程奖

PRODUCT HONOR RECORD

Steel Bridges & Steel Structures

★ 1981, Hanjiang River Bridge-National Quality Project Gold Medal, Ministry of Railways Quality Project Award, National First Prize for Progress in Science and Technology
★ 1985, Changdong Yellow River Bridge-Ministry of Railways Quality Project Award (Class A)
★ 1987, Victory Yellow River Bridge-National Construction Engineering Luban Award, National Excellent Welding Engineering Award
★ 1991, Rangoon Syriam Bridge in Myanmar-National Excellent Welding Engineering Award
★ 1998, Shantou Queshi Bay Bridge-National Excellent Welding Engineering Award
★ 2000, Wuhu Yangtze River Combined Highway and Railway Bridge-2001 National Construction Engineering Luban Award, National First Prize for Progress in Science and Technology, The 3rd Zhan Tianyou Civil Engineering Award, 2004 National Top 10 Construction Technology Achievements
★ 2000, Nanjing 2nd Yangtze River Bridge South Part-National First Prize for Progress in Science and Technology, Zhan Tianyou Civil Engineering Award, 2003 National Construction Engineering Luban Award, 2004 National Quality Project Gold Medal, National Excellent Welding Engineering First Prize, The 1st China Best 10 Bridges
★ 2004, Nanjing 3rd Yangtze River Bridge Steel Towers-National Second Prize for Progress in Science and Technology, 2009 National Quality Project Gold Medal, 2005 National Excellent Welding Engineering First Prize, 2006 China Highway Society Science & Technology Top Award for the “Technical research of innovation of design and construction of steel towers and deep water foundation for the super-span bridge”, IBC Gustav Lindenthal Medal, Zhan Tianyou Civil Engineering Award
★ 2007, Zhoushan Jintang Bridge-2016-2017 National Construction Engineering Luban Award (National Quality Project), National Highway Traffic Quality Project (Li Chun) Award
★ 2008, Guangzhou Pearl River Huangpu Bridge-National Excellent Welding Engineering First Prize
★ 2008, Jinan Yellow River Bridge on Qingdao-Yinchuan Expressway-2011 National Excellent Welding Engineering First Prize
★ 2008, Zhoushan Xihoumen Bridge-2010 National Excellent Welding Engineering First Prize, IBC Gustav Lindenthal Medal, 2015 FIDIC Outstanding Project Award, 2015 National Construction Engineering Luban Award; Zhoushan Archipelago and Mainland Linking Project-2015 State Science & Technology Award
★ 2009, Ningbo Bay Bridge-2012 National Excellent Welding Engineering First Prize
★ 2011, Chongqing Chaotianmen Yangtze River Bridge-The 10th Zhan Tianyou Civil Engineering Award
★ 2011, Ma’anshan Yangtze River Highway Bridge, 2015-2016 National Construction Engineering Luban Award, National Excellent Welding Engineering First Prize, The 33rd IBC George S. Richardson Medal, 2016 FIDIC Shortlisted Project Award
★ 2012, Nanjing 2nd Yangtze River Bridge, Wuhu Yangtze River Bridge and Chongqing Chaotianmen Yangtze River Bridge-Centenary Top 100 Outstanding Civil Engineering Projects
★ 2012, Nanjing Dashengguan Bridge-2012-2013 National Construction Engineering Luban Award, 2012 IBC George S. Richardson Medal, 2015 IABSE Outstanding Structure Award; Beijing–Shanghai High Speed Railway-2015 National Grand Prize for Progress in Science and Technology
★ 2013, Research on Key Technology of the Design and Construction of the Distributed Force Anchorage System of the Main Cable of Suspension Bridge-China Highway Society Science & Technology Top Award
★ 2013, No.2 Bridge on Ordos Suyang Highway-2013 National Excellent Welding Engineering First Prize
★ 2013, Taizhou Yangtze River Highway Bridge-The Institution of Structural Engineers 2013 Supreme Award for Structural Engineering Excellence, 2014 IABSE Outstanding Structure Award, 2014 FIDIC Award of Merit, 2014 National Excellent Welding Engineering First Prize, China Highway Society Science & Technology Top Award, Hubei Provincial Science & Technology First Prize, 2014 Jiangsu Provincial Quality Project Award Yangtze Cup
★ 2014, Zhengzhou Yellow River Combined Highway and Railway Bridge-National Construction Engineering Luban Award, 2014 FIDIC Award of Merit
★ 2015, Nanjing Eye Pedestrian Bridge-The 32nd IBC Arthur G. Hayden Medal for Innovative Design
★ 2015, Chongqing Dongshuimen Yangtze River Bridge-2015 National Municipal Golden Cup Demonstration Project Award

中铁宝桥产品荣誉录
PRODUCT HONOR RECORD

道岔及城轨产品（部分荣誉）
Turnouts & Urban Rail Transit Products

★ 2001年，60kg/m-38号单开道岔获“国家重点新产品”证书
★ 2002年，60kg/m-12号改进型单开道岔获“国家重点新产品”证书
★ 2002年，磁悬浮轨排获“国家重点新产品”证书
★ 2003年，细晶粒预硬化高锰钢辙叉获“国家重点新产品”证书
★ 2004年，跨座式单轨交通五开关节型道岔获“国家重点新产品”证书
★ 2005年，60kg/m-30号提速改进型可动心轨辙叉单开道岔获“国家重点新产品”证书
★ 2006年，中铁宝桥铁路道岔产品获“陕西省名牌产品”证书
★ 2007年，直向速度200km/h-60kg/m钢轨系列道岔获“铁道部重大科技成果二等奖”
★ 2008年，长心轨专利项目获“陕西省专利成果三等奖”
★ 2009年，中铁宝桥铁路道岔产品获“陕西省名牌产品”证书
★ 2010年，高速铁路单开道岔翼轨加工工艺获陕西省专利奖
★ 2011年，高速铁路单开道岔翼轨加工工艺获国家专利奖优秀奖
★ 2013年，《提高北美嵌入式组合高锰钢辙叉生产效率》获全国铁道行业QC小组优秀成果奖
★ 2014年，参建的西安地铁二号线工程荣获2014年度“全球杰出工程”大奖
★ 2014年，中低速磁浮交通系统单开道岔、三开道岔和旋转轨道获陕西省新产品新技术鉴定验收证书
★ 2014年，跨座式单轨交通关节型转线设备研究设计及开发荣获中国铁路工程总公司科学技术一等奖
★ 2015年，CZ170型单轨作业车获陕西省新产品新技术鉴定验收证书
★ 2016年，中低速磁浮系列道岔产品设计开发荣获中国铁路工程总公司科学技术特等奖

★ 2001, 60kg/m 1:38 Simple Turnout-National Key New Product
★ 2002, Improved 60kg/m 1:12 Simple Turnout-National Key New Product
★ 2002, Maglev Track Panel-National Key New Product
★ 2003, Fine-grained Prehardened High Manganese Steel Crossing-National Key New Product
★ 2004, Five-Way Joint-Type Switch for Straddle Monorail-National Key New Product
★ 2005, Improved 60kg/m 1:30 Simple Turnout with Swing Nose Crossing-National Key New Product
★ 2006, CRBBG's Railway Turnout Products-Shaanxi Famous Brand Product
★ 2007, 60kg/m Turnout Series with Straight Speed of 200km/h-Ministry of Railways Major Scientific and Technical Achievements Second Prize
★ 2008, Point Rail Patent Project-Shaanxi Patent Achievements Third Prize
★ 2009, CRBBG's Railway Turnout Products-Shaanxi Famous Brand Product
★ 2010, Processing Technology of Wing Rail of Simple Turnout for High Speed Railway-Shaanxi Patent Award
★ 2011, Processing Technology of Wing Rail of Simple Turnout for High Speed Railway-National Patent Award Honorable Mention
★ 2013, Improvement of Production Efficiency of Assembled Insert High Manganese Steel Crossing Exported to North America-National Railway Industry QC Group Excellent Achievement Award
★ 2014, Xi'an Metro Line 2 Project-2014 Global Outstanding Project Award
★ 2014, Single Switch, Three-Way Switch and Rotary Track in Medium-Low Speed Maglev Transit System-Shaanxi New Product & New Technology Certificate
★ 2014, Research, Design and Development of Joint-Type Switching Equipment for Straddle Monorail transit-CREC Science & Technology First Prize
★ 2015, Monorail Engineering Vehicle-Shaanxi New Product & New Technology Certificate
★ 2016, Design and Development of Switch Series for Medium-Low Speed Maglev Transit System-CREC Science & Technology Grand Prize