



# R&D Center

## 研发中心

辽沈新桥产品研发中心，拥有专业系统设计开发人员50余人，主要从事铝合金材料系统产品的研发和技术服务。我们的基础是在铝合金型材生产领域，拥有专业完整的系统结构开发技术，并基于我们的技术提供优质的材料，成为最优秀的铝型材供应商。为了更好地服务客户，2009年公司从德国引进了Knareson® 窗设计软件，并将其发展为适用于新桥系统的一套门窗设计软件可以方便、快捷、精确地进行门窗工程预算与设计。

The R&D Center of Liaoshen Newbridge has a professional system design team and 50 persons mainly responsible for R&D management and technical services concerning aluminum alloy profile system projects. Our aim is to turn the most professional and complete system structure development technologies into our customers' alloy profile field and to become the most excellent aluminum profile supplier through provision of complete and quality materials based on our technology. In 2009, Knareson® window design software was imported from Germany and improved it to be suitable for RECCO system-like aluminum software with the comprehensive assembly engineering budget and design.



# Sales Network

## 销售网络

目前，新桥在全国设有十余家客户部，同时在多个地区还有经销商进行新桥产品的销售。

- 各地客户部：  
 东北客户部 北京客户部  
 天津客户部 青岛客户部  
 太原客户部 石家庄客户部  
 济南客户部 长春客户部  
 呼和浩特客户部 郑州客户部  
 烟台客户部 苏州客户部  
 哈尔滨客户部 西安客户部  
 大连客户部 大庆客户部

At present, RECCO has more than ten customer departments in the country and has arranged distributors in some areas for selling RECCO products.

- Customer department:  
 Northeast customer department  
 Beijing customer department  
 Tianjin customer department  
 Qingdao customer department  
 Taiyuan customer department  
 Jinan customer department  
 Changchun customer department  
 Hohhot customer department  
 Zhengzhou customer department  
 Yantai customer department  
 Suzhou customer department  
 Harbin customer department  
 Xi'an customer department  
 Dalian customer department  
 Daqing customer department

## 我们的客户 Our client



# CERTIFICATE 产品认证证书



CQM  
CERTIFICATE  
IQNET

# CERTIFICATE 产品认证证书



CQM  
CERTIFICATE  
IQNET

# CERTIFICATE 质量管理体系认证证书



CQM  
CERTIFICATE  
IQNET

# REECOO 企业法人营业执照



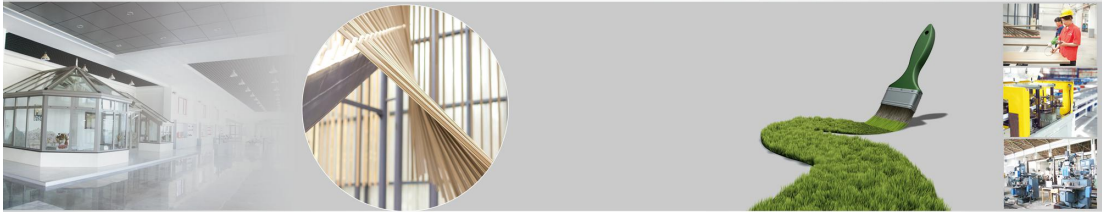
# REECOO 全国工业产品生产许可证



**分厂介绍**  
Branch Factory

公司拥有研发中心、熔铸分厂、挤压分厂、模具分厂、表面处理分厂、复合分厂、理化中心、储运部等核心生产管理机构。

The Company has its core production and management units, including R&D Center, Casting Branch Factory, Extruding Branch Factory, Mold Branch Factory, Surface Treatment Branch Factory, Composite Branch Factory, Physical and Chemical Center and Storage and Transportation.



**Casting Branch Factory**

熔铸分厂



熔铸分厂拥有水平热顶自铸生产线4条，煤气发生炉3台，均质炉1台，熔铸分厂年生产铝棒万吨，生产铝棒的规格为φ84mm - φ220mm，共计7种规格。

The Casting Branch Factory boasts 4 same level hot top casting lines, 3 coal gas producers and 1 heat soak oven and can produce 60,000 tons of aluminum bars each year. The bars have 7 specifications ranging from φ84mm to φ220mm.

水平热顶铸造 Same Level Hot Top Casting



均质炉 Heat Soak Oven



原料库 Raw Material Warehouse



熔铸分厂 Casting branch factory

# Extruding Branch Factory



3000AUSTON® 挤压机 3000ton Extruder



挤压车间 Extruding Workshop

## 挤压分厂

挤压分厂拥有国内先进的挤压机生产线19条。每条生产线配有现代化的模具炉、铝精炉、平移式冷床、牵引机、检测平台等。挤压机吨位分别为：3000 usTon、2300 usTon、2000 usTon、1750 usTon、1600usTon、1200 usTon、880 usTon、660 usTon。时效炉6台，其中4m长的时效炉1台。挤压分厂年生产型材万吨。

The Extruding Branch Factory boasts 19 advanced extruding lines from home and abroad and each line is equipped with modernized mould furnace, aluminum hot furnace, profile moving cooling machine, heating machine, hot furnace, etc. The extruders have tonnage of 3000 usTon, 2300 usTon, 2000 usTon, 1750 usTon, 1600 usTon, 1200 usTon, 880 usTon and 660 usTon. The Branch Factory also has 6 aging furnaces, one of which is 4m long. The annual production of the Extruding Branch Factory is 10,000 tons.



检测型材 Testing profiles

# Mould Branch Factory

## 模具分厂

模具分厂拥有CNC加工中心8台，数控磨削机5台，精密数控管去钻线切割8台，数控电火花4台，精密数控铣床5台等加工设备，年生产模具6000~10000套。

CNC雕刻机 CNC Engraving Machine

车铣复合加工中心 Burscutter Compound



磨床 Grinding Machine



挤压机模具 Extruding Mould



欧洲品牌进口车铣复合组 European processing group



精密数控铣床 Precise CNC Milling Machine



CNC加工中心区 CNC Processing Center



CNC加工中心区 CNC Processing Center



The Compound Branch Factory boasts 8 heat insulation compound profile production lines, including 6 gulling machines, 6 assembly machines, 6 compound machines, 6 film laminators and 6 packing machines, and the annual production of heat insulation profile is 30,000 tons; in addition, there are 3 heat insulation strip production lines with annual production of 2,400 tons.



## Surface Treatment Branch Factory 表面处理分厂

表面处理分厂拥有美国伍佰和瑞士金马进口静电粉末喷涂生产线共5条，木胶转印生产线1条，氟碳喷涂生产线1条，氧化生产线1条，电泳生产线1条，年生产表面处理型材60万吨。

The Surface Treatment Branch Factory has 5 static powder spraying lines imported from Hexion and DSM, 1 wood-grain line, 1 fluorocarbon line, 1 oxidation line and 1 electrophoresis line, and the annual surface treatment capacity is 600,000 tons of profiles.



氟碳喷涂生产线 Fluorocarbon Spraying Line



氧化车间 Oxidation Workshop

木胶生产线 Grain Production Line

检测氧化膜厚度 Testing thickness of the oxide membra

■ Surface treatment branch factory | 26~27



## Compound Branch Factory

复合分厂

复合分厂拥有隔热复合型材生产线6条，其中开齿机、穿条机、复合机、贴膜机、包装线各6台，年生产隔热型材2万吨；同时拥有隔热条生产线9条，年生产隔热条2400吨。

The Compound Branch Factory boasts 6 heat insulation compound profile production lines, including 6 gartering machines, 6 assembly machines, 6 compound machines, 6 film lamination and glazing machines, and the annual production of heat insulation profiles is 20,000 tons; in addition, there are 9 heat insulation strip production lines with annual production of 2,400 tons.



开齿机 Gartering Machine

包装生产线 Packaging production line

复合机 Compound Machine

■ Compound branch factory | 28~29

# Test Workshop

试验车间

与传统的铝型材生产企业不同，辽沈铝业作为系统产品的供应商，着眼于型材产品的整体技术与服务。除了提供铝型材产品外，更注重为用户提供包括制造产品及相关技术的服务。以此确保产品结构与性能的实现。确保生产加工技术及安装施工工艺专业性的不断提升。

Offering from traditional aluminum profile production enterprises, Liaoshe Aluminum, as a systematic product supplier, stresses integrated technologies and services concerning the profile. In addition to the production of aluminum profiles, the Company also emphasizes to provide peripherals and related services for customers so as to fully realize the structural standards and performance of the projects and to ensure the continuous improvement of processing technologies and installation techniques.



电子式万能材料试验机 Electronic universal material tester    高温持久试验机 High temperature testing boiler    光谱仪 SPECTRO MAXX



扫描仪 Romshape    化学实验室 Chemical Lab

# Physical and Chemical Center 理化中心

理化中心拥有德国斯派克光谱仪1台、长春科融微机控制电子万能试验机1台、厦门星威清洗导电仪1台、日本CR-10色度仪2台、美国进口炉温仪1台、以及电子分析天平、测速器、压痕仪1台、光雾测试仪、冲击试验机、精密内计、电导率仪、恒温恒湿箱等先进检测分析仪器。可进行铝型材化学成分、力学性能、表面处理、槽液及工业废水等分析。

The Physical and Chemical Center boasts 1 German Spectro spectrometer, 1 electronic universal tester (produced by Changchun KeRong), 1 fully control spectrophotometer (produced by Shimadzu), 2 Japanese CR-10 color difference instrument, 2 American imported furnace temperature testing instrument and other advanced analyzing and testing instruments such as electronic balance, eddy current thickness measuring instrument, indentation tester, glass meter, metal ball density, pendulum ring gauge, electric conductivity gauge, constant temperature and humidity cabinet, etc, which can be used for analyzing chemical composition, mechanical performance, surface treatment, bath liquids and industrial waste water concerning the aluminum profiles.



盐雾试验机 Salt Spray Tester    拉力试验机 Tensile Strength Tester





## Storage and Transportation Department

储运库

公司储运占地面积2万平方米，可存储型材4000余吨。储运部拥有运输车辆90余台，并拥有独立的配货中心，运输网络遍及国内外，储运部在公司的统一规划下，依靠一大批优秀、操作规范的运输人才，凭借高度的敬业精神和“安全、准确、经济、迅速”为宗旨，竭诚为海内外客户提供优质服务。

The Storage and Transportation Department with an area of 20,000 sqm can store over 4,000 tons of profiles and boasts over 90 transport vehicles and an independent distribution center with a distribution network covering each corner of home and abroad. Under the unified planning of the Company and with a team of well-trained talents who holds standard operation skills and high dedicated spirit, the Storage and Transportation Department will provide customers from home and abroad with quality services.



储运部一角 A Corner of Storage and transportation Department



运输车队 Transportation Fleet

■ Storage and transportation department | 34~35

## Product Show Room

产品展示厅

辽铝型材产品在多样集中个性化的系统体系。产品广泛应用于建筑外装、交通运输、电力通讯、医疗保健、精密仪器、机械电子、实验设备等领域。并可依据客户的不同需求生产全套合金型材。

凭借丰富的实践经验和深厚的技术开发底蕴，又广泛结合市场的需求与技术的创新，到目前为止，已经开发了数十套系统的万余种型材。从多种角度与层面满足了广大用户的需求。越来越多的市场需求已经证实了辽铝产品在技术方面的优势，越来越多的辽铝产品应用实例也印证了辽铝品牌“还有多种解决方案的典范”。

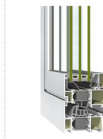
我们的实验就是“不断采用新工艺，每年推出新产品”。

The varied, unique and systematic profile products of Liaochou Aluminum are widely used in fields of exterior decoration, transportation, electric communication, medical appliances, precision instruments, mechanical electronics, communication, etc. and can be tailored according to customers' requirements. By virtue of our rich practical experience and profound R&D background, plus our market demand awareness and technical innovation, till now, our Company has developed over ten systems, covering more than ten thousand of profile categories and has satisfied the needs of mass users at different angles and levels. More and more market demand has proved that Liaochou's products have technical advantages, and more and more applications of Liaochou's products have become good examples for the popularization of Liaochou brand.

Our belief is "to adopt new techniques continuously, and to release new product every year".



阳光房 Sunroom



新型节能门窗 New Energy-saving Door/Window



单元式幕墙 Unit-Typed Curtain Wall



■ Product show room | 36~37