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集团官网: www.northglass.com

北玻股份股票代码: 002613

Luoyang North Glass High-temperature Electric Kiln Intelligent Equipment Co., Ltd.

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E-mail: kilnsales@northglass .com

Official Website: www.northglass.global

Multilingual Website: www.north-glass.com

Stock Code: 002613

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洛阳北玻高温电窑智能装备有限公司

Luoyang North Glass High-temperature Electric Kiln Intelligent Equipment Co., Ltd.

电窑引领热工未来, 节能降碳筑梦陶瓷

Pioneering the Future , Empowering Ceramic Dreams.



洛阳北玻高温电窑智能装备有限公司
Luoyang North Glass High-temperature Electric Kiln Intelligent Equipment Co., Ltd.

公司简介 Company Profile

洛阳北玻高温电窑智能装备有限公司（简称“北玻高温电窑公司”）是北玻股份投资设立的控股子公司。公司专业从事无机非金属材料的高温电加热工艺创新、电加热窑炉产线装备设计研发与制造，创造性地研发出“电加热三层同腔辊道窑”技术并得到广泛应用。公司致力于为卫生陶瓷、发泡陶瓷、建筑陶瓷、日用陶瓷、琉璃玻璃、耐火材料等领域提供更加先进、节能的电加热窑炉相关优质装备及全方位的服务。

公司始终坚持“以科技求发展，以质量求生存”的宗旨，建立高素质的研发队伍，有高科技人员30余人，其中本科及中高级职称高技术人才占比80%以上。已获得授权的自主专利59项，其中发明专利5项，主编行业标准1项。

公司将继续秉承“创新无止境、拼搏才会赢”的企业精神，以“令员工自豪，让政府骄傲，为祖国争光”为己任，打造全球领先的高温电窑智能装备品牌。

Luoyang North Glass High-temperature Electric Kiln Intelligent Equipment Co., Ltd. (referred to as "NorthGlass High-temperature Electric Kiln Company") is a holding subsidiary established with the investment participation of NorthGlass (Stock Code: 002613).

The company specializes in the innovation of high-temperature electric heating processes for inorganic non-metallic materials, as well as the design, R&D, and manufacturing of electric heating kiln production line equipment. It has innovatively developed the "three-layer same-chamber electric roller kiln" technology, which has been widely adopted. We are committed to providing more advanced, energy-efficient, high-quality electric heating kiln-related equipment and comprehensive services for various fields, including sanitary ceramics, foamed ceramics, building ceramics, tableware, cast glass, and refractories.

Adhering to the principle of "development by science and technology, survival by quality," the company has built a high-caliber R&D team comprising over 30 technical professionals, more than 80% of whom hold bachelor's degrees or medium/high-level professional titles. To date, the company has obtained 59 authorized patents, including 5 invention patents, and has taken the lead in drafting one industry standard.

Upholding the core values of "innovation knows no limits, and success comes through perseverance" and embracing the mission to "Pride for Employees, Honor for Government, Glory for the Nation," the company is dedicated to building a globally leading brand in high-temperature electric kiln intelligent equipment.



洛阳北玻高端装备产业有限公司 (园区占地510亩、建筑面积22万m²)

高端装备产业园“万里号”贵宾楼

上海北玻玻璃技术工业有限公司

天津北玻玻璃工业技术有限公司

洛阳北玻三元流风机技术有限公司

北玻技术及产品

□ 钢化炉

6500台北玻钢化炉在世界各地运行

□ 镀膜线

30多条北玻镀膜线销往世界各地

□ 预处理连线及智能化玻璃工厂

300多套连线及切割机、仓储系统广销海内外

□ 高效电加热窑炉

广泛应用于卫生/建筑/发泡陶瓷、琉璃、轻晶石等领域

□ 三元流风机

10万台北玻风机在高铁、工业炉等各领域可靠运行

□ 玻璃深加工产品

北玻幕墙玻璃镶嵌在全球各地地标建筑上

□ 琉璃玻璃

突破极限，单片最大达15m²，并具备连续生产能力

□ 轻晶石——轻质微晶石单元墙体

年产50万m²轻晶石综合墙体，开启绿色建筑工业化时代

北玻股份

洛阳北方玻璃技术股份有限公司，简称“北玻股份”，由董事长高学明先生于1995年5月18日在洛阳国家高新技术开发区发起创立，是主要从事玻璃深加工设备和玻璃深加工产品的研发、设计、制造、生产、销售的高新技术企业。2011年北玻股份在深圳证券交易所成功上市（股票代码：002613）。北玻股份相继成立了子公司上海北玻玻璃技术工业有限公司、上海北玻真空镀膜技术有限公司、洛阳北玻三元流风机技术有限公司、天津北玻玻璃工业技术有限公司、上海北玻自动化技术有限公司、洛阳北玻高端装备产业园有限公司、洛阳北玻琉璃玻璃有限公司、洛阳北玻高温电窑智能装备有限公司，并参股投资了洛阳北玻轻晶石新材料有限公司。

公司秉承“创新无止境、拼搏才会赢”的企业文化，凭借强大的技术研发实力和精良的设施装备，自主开发和制造了具有核心竞争力的玻璃钢化设备、镀膜设备、高端深加工玻璃等核心产品，在此基础上进一步拓展了玻璃深加工自动化连线、玻璃切割设备、仓储系统、“三元流”风机等产业。同时，北玻股份参股投资的北玻轻晶石产业孵化成功，抢先布局装配式绿色建筑新型墙体材料。

北玻股份是行业内实力强劲、规模领先的玻璃深加工设备研发制造企业之一，其主导产品平弯玻璃钢化机组年产量自2002年突破100台以来，连续24年稳居行业世界前列，累计已有超过6500台北玻钢化炉在世界各地运行；其自主研发的镀膜生产线已成为了全球玻璃镀膜行业的主流生产设备之一，带动了中国玻璃镀膜产业的迅猛发展。与此同时，北玻自动化智慧工厂解决方案也正广泛应用于建筑、家电、光伏、卫浴等多个领域，持续赋能产业智能化升级。

另一支柱产业玻璃深加工产品也应用在诸如国家大剧院、“鸟巢”“水立方”“冰丝带”、国家会议中心二期、北京大兴国际机场、国家开发银行总部、北京城市图书馆、上海世博会项目、上海中心、上海大歌剧院、上海图书馆东馆、伦敦莱登大厦、阿布扎比国际机场、美国甲骨文总部、美国谷歌总部、美国2050M街、日本第一高楼 森 JP Tower、香港太古、香港西九龙高铁总站大楼、澳大利亚布里斯班新剧院、华为全球旗舰店、深圳OPPO总部、Nike旗舰店、爱马仕/古驰/路易威登等全球标志性建筑上，同时北玻股份也作为苹果公司的两家主要建筑玻璃供应商之一为其在世界各地的旗舰店及位于硅谷的总部提供建筑玻璃。

公司产品遍布全国，并成套出口到美国、英国、德国、法国、日本、印度、巴西、沙特、埃及、土耳其、澳大利亚等超过115个国家和地区，同时拥有一套完善的国内、国际销售服务体系。

北玻股份拥有玻璃钢化、低辐射镀膜等各类国际先进的自备成套试验室。公司先后荣获了行业协会颁发的“建筑玻璃首选品牌”、“中国房地产开发企业500强首选品牌”、“行业影响力品牌TOP榜”等荣誉称号；天津北玻荣获改革开放四十周年“行业突出贡献企业”；北玻商标于2017年7月被认定为全国驰名商标；董事长高学明荣膺“全国建材行业改革开放30年代表人物”荣誉称号。



首层大堂
综合办公室
五楼大会议室
二层大厅
贵宾室

NorthGlass Technologies and products

Tempering Furnace

6500+ NorthGlass tempering furnaces in operation worldwide.

Triturbo Fan

100,000+ NorthGlass Triturbo Fans power efficient operations in high-speed rail and industrial applications.

Pre-processing Line for Glass Intelligent Processing Factory

300+ glass pre-processing lines, cutting machines and glass storage systems sold worldwide.

High-Efficiency Electric Kilns

Utilized in sanitary ware, architectural ceramics, foamed ceramics, cast glass, Light-Stone and other sectors.

Coating Line

30+ NorthGlass coating lines sold worldwide.

Processed Glass

Curtain wall glass integrated into landmark buildings worldwide.

Cast Glass

Redefining possibilities with 15 m² monolithic panels & continuous production.

Light-Stone — Lightweight Microcrystal Stone Unit Wall

With an annual output of 500,000 Light-Stone units for integrated wall systems, NorthGlass is pioneering the era of industrialized green construction.

About Us

Founded on May 18, 1995, by Chairman Mr.Xueming GAO, Luoyang NorthGlass Technology Co., Ltd. (NorthGlass) is a pioneer in the global glass industry. Headquartered in the Luoyang National High-Tech Industrial Development Zone, we specialize in the R&D, design, manufacturing and sales of glass processing equipment and value-added processed glass products. In 2011, NorthGlass was successfully listed on the Shenzhen Stock Exchange (Stock Code: 002613), further strengthening its global presence.

Our Family

Our growth strategy includes the establishment of several subsidiaries, each specializing in different facets of the glass industry. These include:

Shanghai North Glass technology industrial Co., LTD.

Shanghai North Glass Vacuum Coating Technology Co., LTD.

Luoyang North Glass Triturbo Fan Technology Co., LTD.

Tianjin North Glass Technology Industrial Co., LTD.

Shanghai North Glass Automation Technology Co., LTD.

Luoyang North Glass High-end Equipment Co., LTD.

Luoyang North Glass Cast Glass Co.,LTD.

Luoyang North Glass High-temperature Electric Kiln Co., Ltd.

Luoyang North Glass Top Glass Industrial Co., Ltd.

North Glass (Shanghai) Top Glass Industrial Co., Ltd.

Additionally, our strategic investment in Luoyang NorthGlass Light-Stone New Material Co., Ltd. underscores our commitment to diversification and innovation across the glass industry value chain.

Our Products

At NorthGlass, we adhere to the philosophy that "Innovation has no bounds, and success is rooted in perseverance". We have consistently developed industry-leading products that set new benchmarks for the sector. Our product portfolio covers glass tempering furnaces, coating lines and high-end deep-processed glass, setting new industry standards across automation, new materials and other key sectors. Our dedication to technological advancement also includes the development of automated glass processing lines, glass cutting equipment, glass storage systems and our innovative Triturbo Fan technology. Additionally, our strategic investment in nurturing the Light-Stone industry marks our foray into the modular green building materials market, demonstrating our leadership in environmental sustainability and technological innovation.

NorthGlass has cemented its leading position in the global glass industry through relentless innovation and superior manufacturing of advanced glass processing equipment. Our flat and curved glass tempering furnaces have maintained a leading market position for 24 consecutive years, with more than 6,500 units in operation worldwide. Our in-house developed coating lines have also become a mainstream solution for glass coating manufacturers worldwide. At the same time, NorthGlass Automation's intelligent factory solutions are being widely applied in various fields such as architecture, home appliances, solar energy, and shower glass, continuously empowering the intelligent upgrade of industries.

Our high-performance processed glass products form another core business pillar, adorning iconic architectural landmarks worldwide – including Google Bay View (USA), 2050 M Street (Washington, D.C., USA), Oracle Headquarters (Austin, USA), Azabudai Hills Mori JP Tower (Japan), the Leadenhall Building (UK), Abu Dhabi International Airport, New Performing Arts Venue (Brisbane, Australia). These landmarks also include China's national Olympic venues such as the Bird's Nest, the Water Cube and the Ice Ribbon, the National Centre for the Performing Arts (China), National Convention Center (China), Beijing Daxing International Airport (China), "Sun Valley" & "Shiliupu Pier" of EXPO 2010 Shanghai (China), Beijing Library (China), Shanghai Tower (China), Nike Shanghai 001 (China), XRL Topside West Kowloon (Hong Kong, China), Two Taikoo Place (Hong Kong, China), Huawei Global Flagship Store (China), OPPO Headquarters (China), as well as flagship stores of Hermès, Louis Vuitton, GUCCI among many other notable buildings. Furthermore, NorthGlass is proud to be one of the two primary architectural glass suppliers for a world-renowned technology company, providing glass for its global flagship stores and Silicon Valley headquarters. This underscores our global footprint and the trust placed in our products by prestigious clients.

Backed by a comprehensive domestic and international sales and service network, NorthGlass products are available nationwide and exported to more than 115 countries and regions, including the USA, UK, Germany, France, Japan, India, Brazil, Saudi Arabia, Egypt and Turkey.

三层同腔电加热辊道窑 Three-layer Single-chamber Electric Kiln



伺服驱动高精度传动系统 Servo-Driven High-Precision Drive System

采用伺服电机驱动, 齿轮传动系统输送, 传动平稳可靠且转速调节范围大。
Powered by servo motors, the gear drive system ensures smooth and reliable conveyance with a wide speed range.

电加热区域温度均匀性及控制 Temperature Uniformity and Control in Electric Heating Zone

采用辐射电加热元件, 优化加热元件结构和排布, 配合多分区梯度温控工艺, 保证其辐射加热均匀性和窑炉截面温场均匀性, 结构紧凑、控制灵活、热利用率高。
Utilizing radiant electric heating elements with optimized configurations and layouts, combined with multi-zone gradient temperature control technology, this system ensures thermal uniformity across both radiation zones and cross-sections. That achieves compact structure, flexible control and high thermal efficiency.

对流传热区域温度均匀性及控制 Temperature Uniformity and Control in Convective Heat Transfer Zone

采用内置循环风管道技术, 通过减少热桥散热提升热效率, 确保炉体上下截面温度均匀性, 优化制品预热/冷却效率。窑前配置独立废气回收管路, 利用热气扰动排出坯体的水、气及低温分解物, 实现热能循环利用。
There's a built-in circulating air duct technology, reducing thermal bridge heat loss to enhance efficiency and ensure uniform temperature distribution across kiln cross-sections, optimizing product preheating/cooling. An independent gas recovery duct installed at the kiln front utilizes hot gas agitation to discharge moisture, gases, and low-temperature decomposed substances from green bodies, enabling thermal energy recycling.

窑体组合保温结构 Combination Insulation Structure in Kiln Body

优选性能较好的耐火材料与保温材料组合, 实现节能降耗。
Optimize the combination of refractory and insulation materials with good performance to achieve energy saving.

余热回收及利用 Waste Heat Recovery and Utilization

分散式小功率风机及自循环系统, 用于低温段补充预热, 调节分配灵活, 提高热利用率, 降低能耗。
Distributed low-power fan and self-circulation system, which is used to supplement the preheating of the low temperature section. It adjusts the distribution flexibly, improves the heat utilization rate and reduces energy consumption.



电加热梭式窑
Electric Shuttle Kiln

三层同腔电加热辊道窑
Three-layer Single-chamber Electric Kiln

专利、荣誉情况 Patents & Honors

授权专利
Authorized patents

59



发明专利
Utility patents

5



卫生陶瓷及产线
Sanitary Wares & Production Line



台盆
Basin



三层高温电窑
Three-layer High-temperature
Electric Kiln

基本参数
Basic parameters

序号 Serial No.	主要技术指标 Main technical index	设计参数 Design parameters	备注 Remarks
1	产量 Output	年产100万件 1 million pcs/year	按2块/ 组棚板 Based on 2 pcs/groups refractory slabs
2	产品规格类型 Specification	高度≤700mm Height≤700mm	坐、箱、盆、柱 Toilet, tank, basin, post
3	窑炉长度 Kiln length	220m	可根据实际情况调整 Adjustable
4	窑炉内宽 Kiln inner width	2400mm	并排4组棚板 4 refractory slabs side by side
5	窑炉长度 Kiln section	2200mm/节 2200mm/section	
6	加热方式 Heating method	纯电加热 Pure electric	上下加热 Up-down heating
7	高温区控温精度 High temperature control precision	±1℃	
8	烧成温度 Firing temperature	1200℃	极限温度1300℃ Ultimate temperature 1300℃
9	传动辊道 Live-roller	陶瓷辊道 Ceramic roller	

建筑陶瓷及耐火材料产线
Architectural Ceramics & Refractories Production Line



岩板
Sintered Stone



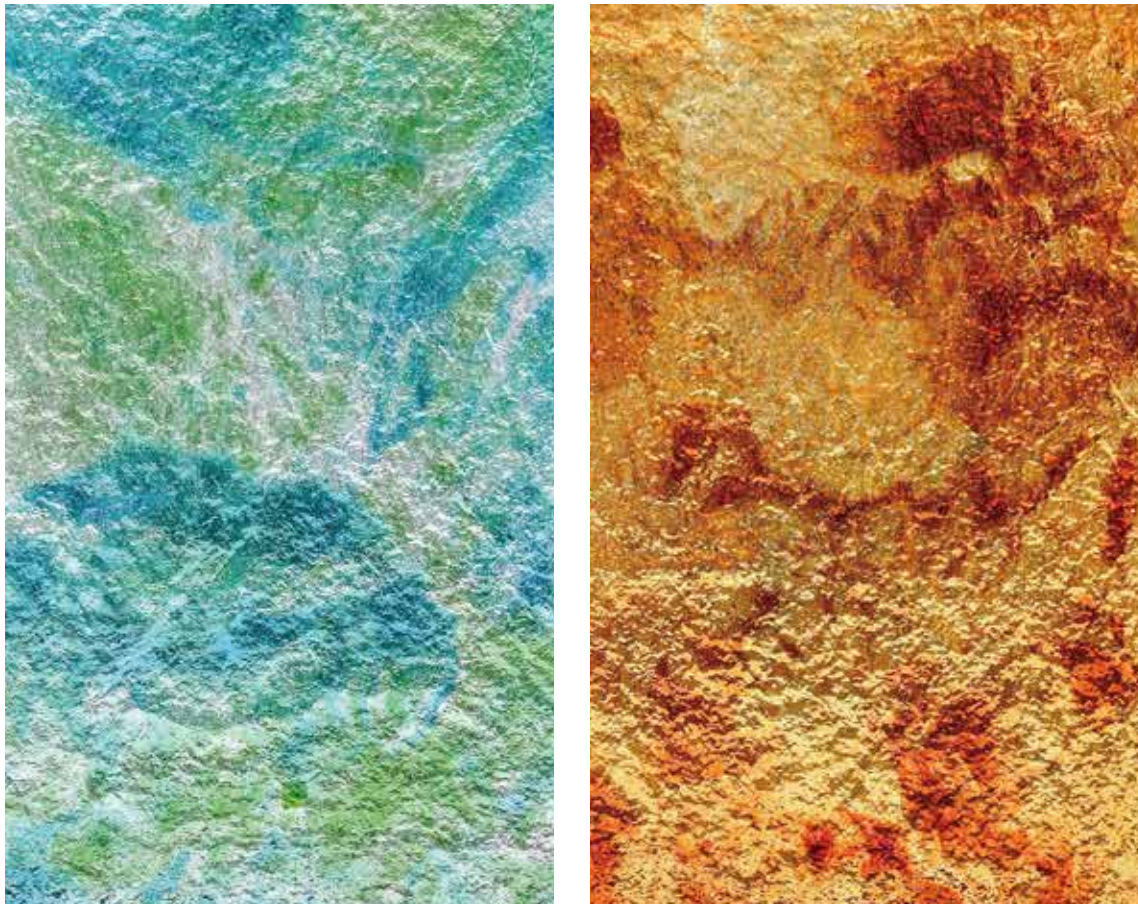
三层同腔
Three-layer Single-chamber



耐火砖
Refractories

低温干燥窑
Low-temperature Dry Kiln

琉璃玻璃及产线
Cast Glass & Production Line



多彩琉璃玻璃
Colorful Cast Glass



琉璃退火线
Cast Glass Annealing Line

发泡陶瓷及产线
Foamed Ceramics & Production Line



基本参数
Basic parameters

序号 Serial No.	主要技术指标 Main technical index	设计参数 Design parameters	备注 Remarks
1	产量 Output	300,000m ² /年 300,000m ² /year	按300天计 Based on 300 days
2	产品规格类型 Specification	1800 x 1200 x 100mm	成品尺寸 Finished product size
3	窑炉长度 Kiln length	216m	
4	窑炉有效内宽 Kiln effective inner width	1800mm	三层辊道同步 Three-layer roller synchronized
5	窑炉节段长度 Kiln section length	6000mm/节 6000mm/section	
6	加热方式 Heating method	纯电加热 Pure electric	上下加热 Up-down heating
7	高温区控温精度 High temperature control precision	±1℃	
8	烧成温度 Firing temperature	1200℃	极限温度1250℃ Ultimate temperature 1250℃
9	传动辊道 Live-roller	碳化硅+钢辊 Silicon carbide+Steel roller	

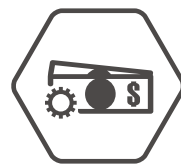
服务体系 Service

研发、销售、生产、工程、售后、数据全方位一站式服务体验

R&D, sales, production, after sales, data and software, one stop service by us



维修服务
Maintenance
service



设备支持
Spare parts
support



产品升级
Product
update



技术培训
Technical
training



设备搬迁
Machine
moving



数据服务
Data
service

系统性培训 Systematic Training

从北玻工厂到客户现场, 从理论到实践, 从管理到生产, 我们将提供手把手的教学, 帮助客户完成从传统工厂到智能工厂的转型。
From NorthGlass factory to the customer site, from theory to practice, from management to production, we will provide systematic training to help customers complete the transformation from traditional factories to smart factories.

定制化陪产 Customized Accompanying Production

从售前到售后, 我们提供全程一站式服务, 根据客户需求, 提供定制化的陪产服务, 保证客户在过渡期能顺利运行。
From pre-sale to after-sale, we provide one-stop service throughout the whole process, and provide accompanying production services according to customer needs to ensure the smooth operation during the transition period.

定期设备体检 Regular Examination of Equipment

连线交付后, 我们将为客户提供每年数次设备体检服务, 对设备和系统进行全面检查和评估, 发现潜在问题, 提出解决方案, 确保设备和系统正常运行。
To ensure the normal operation, after the delivery, we will provide customers with equipment examination services several times a year, comprehensively inspect and evaluate the equipment and systems, find potential problems, and propose solutions.

终身软件升级 Lifelong Software Upgrade

我们提供终身软件服务, 包括软件版本升级、软件修复、技术支持和咨询服务等。
We provide lifelong software services, including software version upgrade, software repair, technical support and consulting services.

售前电话 Pre-sales hotline: +86 139 3791 2562

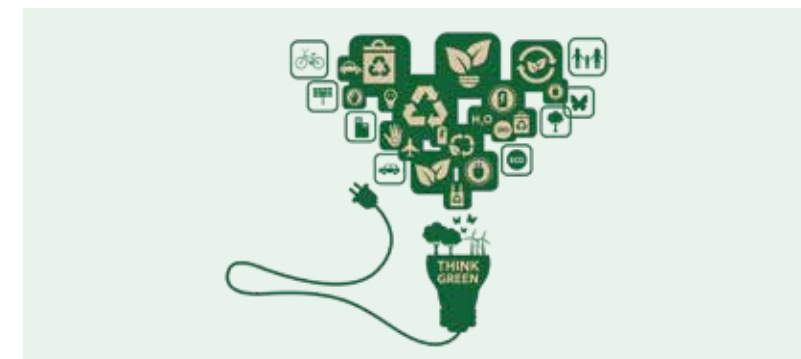
售后电话 After-sale hotline: +86 379 6433 1868

环保与可持续发展 Environmental Protection and Sustainable Development

电加热辊道窑生产线结构上紧凑灵活, 迎合产品市场的多元化需求; 能源上采用全电工艺, 温控精度高, 高效节能迎合双碳战略的需求。北玻高温电炉公司将倾心分享电窑生产经验, 与大家共同研究技术瓶颈, 促进电辊道窑在陶瓷行业的广泛应用。

The structure of the electric roller kiln production line is compact and flexible, to meet the diversified needs of the market; All-electric process, high precision temperature control, high efficiency and energy saving to meet the needs of dual-carbon strategy.

We will share the experience of high temperature electric kiln, study the technical bottleneck with you, and promote the application of electric kiln in the ceramic industry.



注: 画册中所有产品以最终选择型号的技术参数为准, 并可定制个性化产品

Note: All the products listed in this catalogue are subject to the technical parameters of the final models, and the personalized products can be customized.