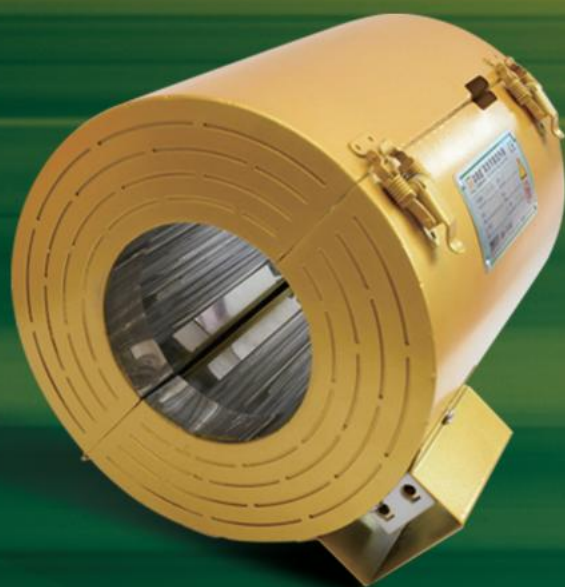




塑机配件服务商
PLASTIC MACHINE PARTS SERVICE PROVIDER



塑机节能系统改造领跑者

LEADER OF ENERGY-SAVING SYSTEM TRANSFORMATION OF PLASTIC MACHINE

青岛中邦凌电器有限公司
QINGDAO ZHONGBANG LING ELECTRIC CO., LTD

ZHONGBANGLING COMPANY PROFILE



高新技术企业/专精特新企业

HIGH-TECH ENTERPRISES
SPECIALIZED INNOVATION ENTERPRISES



20余年
技术积累沉淀



3000家
品牌厂商的选择



13000 m²
生产车间规模

企业简介

青岛中邦凌电器有限公司成立于 2001 年，专注塑料机械加热器配套和塑机节能改造行业 20 载，在《国家重点支持的高新技术领域》内，特别是在塑机节能改造领域持续进行研究开发与技术成果转化，形成了中邦凌核心自主知识产权，2019 年被认定为“国家级高新技术企业”。目前在山东青岛和江苏扬州拥有两大生产基地四个制造部

中邦凌重视技术研发和产品创新，拥有专业技术研发团队，已通过知识产权管理体系认证，目前公司已获批 12 项国家专利，全线产品已获得欧盟 CE 产品认证：产品远销俄罗斯、欧盟、巴基斯坦、泰国等地。

Company Profile

Qingdao ZhongbangLing Electric Co., Ltd. was established in 2001, focusing on the plastic machinery heater and plastic machine energy-saving transformation industry for 20 years. In the "High and New Technology Fields Supported by the State", especially in the field of plastic machine energy-saving transformation, it continued to carry out research and development and technical achievements transformation, forming the core independent intellectual property rights of ZhongbangLing, which was recognized as "National High-tech Enterprise" in 2019. Currently, it has two production bases and four manufacture departments in Qingdao, Shandong and Yangzhou, Jiangsu China.

ZhongbangLing attaches great importance to technology research and development and product innovation, which has a professional technology research and development team, and has passed the certification of intellectual property management system. At present, company has obtained 12 national patents, and the whole line of products have obtained the CE certification; the products are exported to Russia, the EU, Pakistan, Thailand and so on.



战略定位/Strategic positioning

塑料机械加热器首选品牌

The preferred brand of plastic machinery heaters

愿景/Vision

打造创业平台，提高生活品质！提升幸福感！助力员工实现自我人生价值。

Create an entrepreneurial platform and improve the quality of life! Improve happiness! Help employees realize their own life value

使命/Mission

专注塑料制品生产企业的节能降耗

为托举美丽中国梦而奋斗终身

Focus on energy conservation and consumption reduction of plastic products manufacturing enterprises

Strive for a lifetime to promote the beautiful Chinese dream

使命/Mission

诚信：尊重员工 尊重供应商 尊重客户

创新：集思广益 超越自我

务实：老老实实做人 踏踏实实做事

求精：产品质量 高于一切

Integrity: respect employees, suppliers and customers

Innovation: brainstorm and surpass yourself

Pragmatic: be honest and down-to-earth

Refinement: product quality is above all else



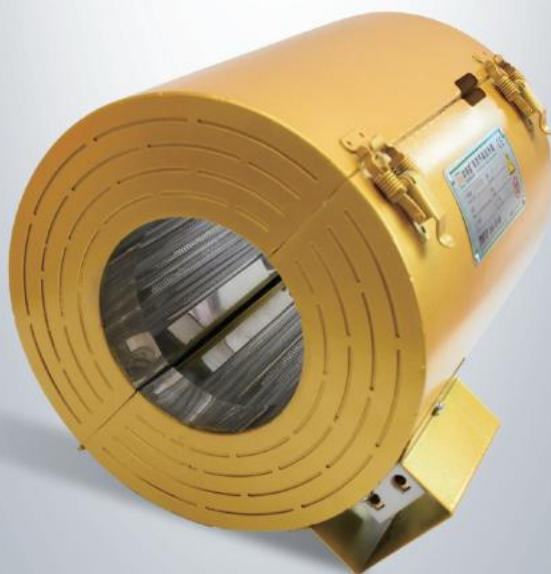
高效节能加热器

High-efficiency energy-saving heater

黑科技

更快·更节能

塑料机械加热器首选品牌



► 高效节能加热器简介 Introduction

- 高效节能加热器是利用优质电阻丝产生热能，对塑料加工设备螺筒进行辐射加热的电加热器。加热器内部采用航天级保温层，以及多层纳米反射涂层，使其具有很高的热转换率、很好的节能效果及较低的表面温度，是目前塑料机械行业先进的加热器。

High-efficiency energy saving heater uses high quality resistance wire to generate heat energy, the electric heater for radiating the barrel of the plastic machine. The heater's inner adopts space flight thermal insulation layer and multilayer nano reflector coating. It has high heat conversion rate, good energy saving effect and low surface temperature. It is the most advanced heater in plastic machinery industry.

► 高效节能加热器产品优势 Advantages

- 升温速度快：60秒内升温到1000℃，长期稳定在800℃以内，提升机器生产效率。
- 使用寿命长：高效节能加热圈设计使用寿命长达10年以上，后期维护成本低。
- 表面温度低：采用气凝胶毡保温层，表面温度低于70℃，车间凉爽作业。
- 省电效果好：热效率高、单向辐射，省电可达30%以上，快速收回成本。
- 两小时快修：领衔研发现场换管技术，加热器维修方便，无需返厂修理。
- 快捷式安装：高效节能加热圈可直接替换传统加热圈，搭扣式安装快捷简便。

Heating fast ,came to 1000 C within 1 minute, keep 800 C in the long time.

Long use life time:heater has 10 years of design life,and lower repair cost.

Lower temperature surface:Lower the workshop temperature,lower temperature below 70 degrees.

Save electricity:high efficiency,one-way radiation,and can save electricity 30%,faster recovery cost.

Repair within 2 hours:with heating element can replace,convenient to repair,cant return factory to repair.

Fast to install:high efficiency heater can replace ordinary heater,and it easy to install.

高效节能加热器适用范围 Applications

高效节能加热器适用于注塑机、片材挤出机、板材挤出机、型材挤出机、中空吹塑机、锥形双螺杆挤出机、拉丝机、吹膜机、造粒机等塑胶机械设备以及相关食品机械。

High efficiency energy saving heater is application of injection molding machine, sheet extruder, plate extruder, profile extruder, hollow blow molding machine, conical twin-screw extruder, wire drawing machine, film blowing machine, pelletizing machine and plastic machinery related food machinery.



双螺杆挤出机
Twin-screw Barrel Extruder



注塑机
Injection Machine



中空吹塑机
Hollow Blow Molding Machine



拉丝机
Drawing Machine



单螺杆挤出机
Single screw Barrel Extruder



吹膜机
Blown Film Machine

► 高效节能加热器与传统加热器效果对比 Effect Comparison

对比项目 Projects	传统加热器 Traditional heater	高效节能加热器 Energy saving heater	产品特点 Features
热效率 Thermal efficiency	52~60%	80%	提升30%以上 Improved more than 30%
表面温度 Surface Temp	超过180℃ Beyond 180℃	不超过70℃ No More Than 70℃	温度降低78% Decreased temp 78%
使用寿命 Service life	2到6年 2~6 years	10年以上 More than 10 years	寿命达5倍以上 Service life is more than 5 times
节能效果 Energy Saving Effect	没有节能效果 No Energy Saving Effect	节能30%-70% Saved Energy 30%-70%	节能率超过30% Saved Energy More Than 30%



平双远红外加热器

Far-infrared heater for
Parallel twin-screw extruder



平双远红外加热器效果对比 Effect comparison

对比项目 Project	平双加热器 Far-infrared heater	传统加热器 Traditional Heater
加热方式 Heating Mode	远红外辐射 Far-infrared radiation	热传导 Heat Conduction
最高温度 The highest temperature	1000 ℃	450~600 ℃
安装过程 Installation Process	4个搭扣，简单方便 Very easy to install	十分复杂 Very complex
加热速度 Heating Speed	节省30%时间 Save 30% time	1小时以上 More than 1 hour
使用寿命 Service Life	10年以上 More than 10 years	2~6年 2~6 years
电热效率 Electrothermal efficiency	约80% About 80%	50%~60% 50%~60%
变形程度 Degree of deformation	加热不易变形 It's not easily deformed when heating	加热容易变形 It's easily deformed when heating

产品简介 Introduction

- 平双加热器是通过远红外辐射和黑体技术及纳米保温为一体的原理，实现升温速度快、节能省电的效果。可以完全取代铸铜、铸铁、铸铝加热器，解决了普通铸件加热器在实际使用中的各种缺点。

Far-infrared heater used for parallel twin-screw barrel extruder is through far-infrared radiation and blackbody technology and nano thermal insulation as one of the principles, to achieve rapid heating, energy saving effect. It can completely replace cast copper, cast iron and cast aluminum heaters, and solve various shortcomings of common casting heaters in practical use.

产品优势 Advantages

- 升温速度快：**2-5分钟内达到1000℃(工作面温度)，辐射加热的传热速度比铸铝、铸铜加热器传导加热快30%以上。
Faster temperature rise: Far-infrared heater working inner surface temperature can reach 1000 ℃ within 2-5 minutes, the heat transfers speed of radiant heating is more than 30% faster than that of cast aluminum and cast copper heater.
- 表面温度低：**表面温度相对于铸铝加热器、铸铜加热器低35%左右，可以有效改善车间温度环境。
Low surface temperature: The surface temperature of heater is about 35% lower than that of cast aluminum heater and cast copper heater, which can effectively improve the temperature environment of the workshop.
- 使用寿命长：**黑体技术可以有效保护石英管，平双远红外加热器质保2年，使用寿命长达8-10年。
Long service life: The blackbody technology can effectively protect the quartz tube, and the Far-infrared heater is guaranteed for 2 years and has a service life of 8-10 years.
- 温控更准确：**远红外加热器达到设定温度断电后即停止加热，节能加热器配合PID控制，温度可精确到正负一度。
Temperature control is more accurate: Far-infrared heater is matched with the PID control, and the temperature can be accurate to plus or minus one degree.

升级改造案例 + + + + +

挤出机节能改造案例

Upgrading reform cases



陶瓷加热器 Ceramic band heater



云母加热器 Mica band heater



铸铝/铜/铁加热器 Cast aluminum/copper/iron heater



工频离心风机 Air blower fan



不锈钢冷却风罩 Stainless steel cover



钢丝软管烘道 Wire hose drying channel



电加热管 Electric tubular heater



升级改造案例 + + + + +

挤出机节能改造案例

Upgrading reform cases

管材挤出机

(济南地区)

7.2度/小时
7.2degrees/hour

节能率约40%

4.3度/小时
4.3degrees/hour

吹膜机

(东莞地区)

3.1度/小时
3.1degrees/hour

节能率约93%

0.2度/小时
0.2degrees/hour

管材挤出机

(河北地区)

3.9度/小时
3.9degrees/hour

节能率约82%

0.7度/小时
0.7degrees/hour

四层共挤吹膜机

(菏泽地区)

23度/小时
23degrees/hour

节能率约30%

16度/小时
16degrees/hour

线缆挤出机

(常州地区)

4.6度/小时
4.6degrees/hour

节能率约51%

2.25度/小时
2.25degrees/hour

打包带挤出机

(临沂地区)

5.29度/小时
5.29degrees/hour

节能率约44%

2.96度/小时
2.96degrees/hour

熔喷布挤出机

(南京地区)

7.6度/小时
7.6degrees/hour

节能率约43%

4.3度/小时
4.3degrees/hour

造粒机

(青岛地区)

10.4度/小时
10.4degrees/hour

节能率约40%

6.2度/小时
6.2degrees/hour

锥双挤出机

(无锡地区)

13度/小时
13degrees/hour

节能率约42%

7.5度/小时
7.5degrees/hour

拉丝挤出机

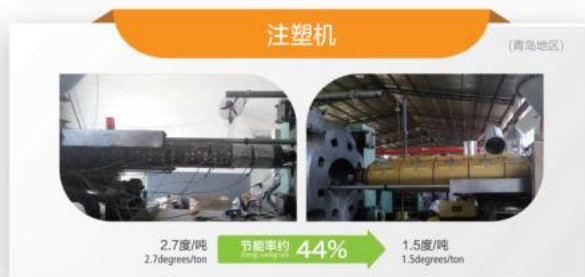
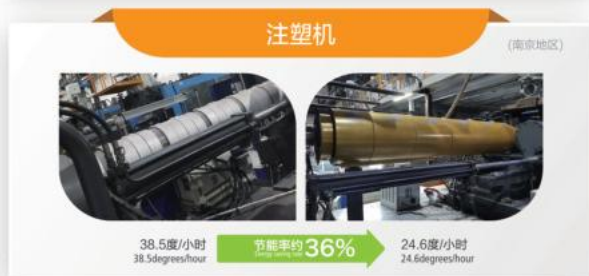
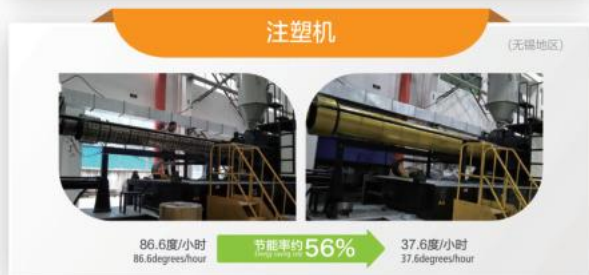
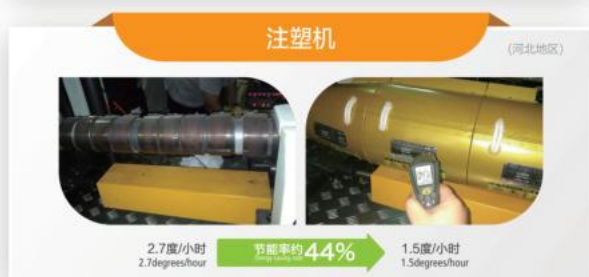
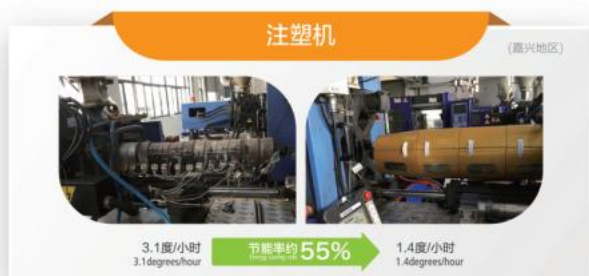
(浙江地区)

11度/小时
11degrees/hour

节能率约45%

6度/小时
6degrees/hour

升级改造案例 + + + + + 注塑机节能改造案例 Upgrading reform cases





- 高新技术企业
- 40余项设计发明专利
- 宁波市塑料行业协会会员单位
- 青島市塑料行业协会会员单位
- 青島市专精特新企业
- 格勤勤商会青島分会监事长单位

- HIGH-TECH ENTERPRISE
- MORE THAN 40 DESIGN INVENTION PATENTS
- MEMBER OF NINGBO PLASTICS INDUSTRY ASSOCIATION
- MEMBER OF QINGDAO PLASTICS INDUSTRY ASSOCIATION
- QINGDAO SPECIALIZED PRECISION AND NEW ENTERPRISE
- SUPERVISORY UNIT OF QINGDAO BRANCH OF GKN CHAMBER OF COMMERCE

青島中邦凌电器有限公司

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WEB: www.zblheater.com



中邦凌官方网站