



感应熔炼系统制造专家

Induction melting system

Manufacturing expert

### 产品通过欧盟CE安全认证

Product have passed the CE certification

培科公司的产品经过多年的技术沉淀,积累了多种新技术的应用,确保电炉的安全系数,如直流注入式漏炉报警系统、差动式测漏系统、抗干扰保护系统、安全隔离接地开关、水温水压保护系统、电源柜门连锁停机装置、防跌落保护装置等等.....

After years of technical precipitation, RK's products have accumulated a variety of applications for new technology, to ensure the safety factor of electric furnaces, such as DC injection type leak alarm system, differential leak detection system, anti-interference protection system, safety isolation grounding switch, water temperature and pressure protection system, power cabinet door interlocking device, anti-drop protection device, etc....

防跌落保护装置

计算机熔炼管理系统

自动加料系统

安全  
Safe

电炉安全系统

高效  
High-efficient

# 感应熔炼系统 To be the best induction melting system manufacturing expert 制造专家

稳定  
Stable

全自动满功率响应设计

### 智能熔炼管理器 Intelligent smelting manager

培科公司研发的新一代智能控制系统与线圈的最佳匹配,熔炼过程中始终保持满功率输出,此设计比一般传统电炉的熔炼时间缩短20%。

The new generation of intelligent control system is the best match with the coil which is developed by RK. It keep full power output all the time during melting process, shorted 20% melting time compared to conventional electric furnace.

### 一流的制造工艺与优越的元器件选型

First-class manufacturing process and superior component

为确保设备的稳定性,核心元器件均采用国际知名品牌,并建立了完善的供应高评估系统。

培科公司整个团队以品质为先,尽可能的将更先进技术 with 严谨制造工艺结合得更加完美,为广大新老用户提供更优质更稳定的成套感应熔炼系统集成设备,让您的熔炼更简单,更安全,更稳定。

In order to ensure the stability of equipment, all core components are from world famous brands and we have established a perfect supplier evaluation system. RK always takes quality as the first priority and combines more advanced technology with rigorous manufacturing process as much as possible. We provide higher quality and more stable induction melting system and integrated equipment for new and old clients, which makes melting easier, safer and more stable.

Conversion efficiency is 98% above

变换效率高达 **98% 以上**

节能  
Energy-saving

节能减排已成为铸造行业迫在眉睫的发展之路,培科公司的设备采用独特的电压反馈全开放型串联电路设计、高导电率材料、低损耗元器件,使整套系统能高效的降低能耗。

Energy saving and emission reduction has become an urgent development requirement for the foundry industry. RK's equipment uses a unique voltage feedback full-open circuit design, high conductivity materials, low loss components, so that the entire system can reduce consumption effectively.

采用优质的铜管,铸铜件与一流设计

全封闭电管柜

智能熔炼管理器

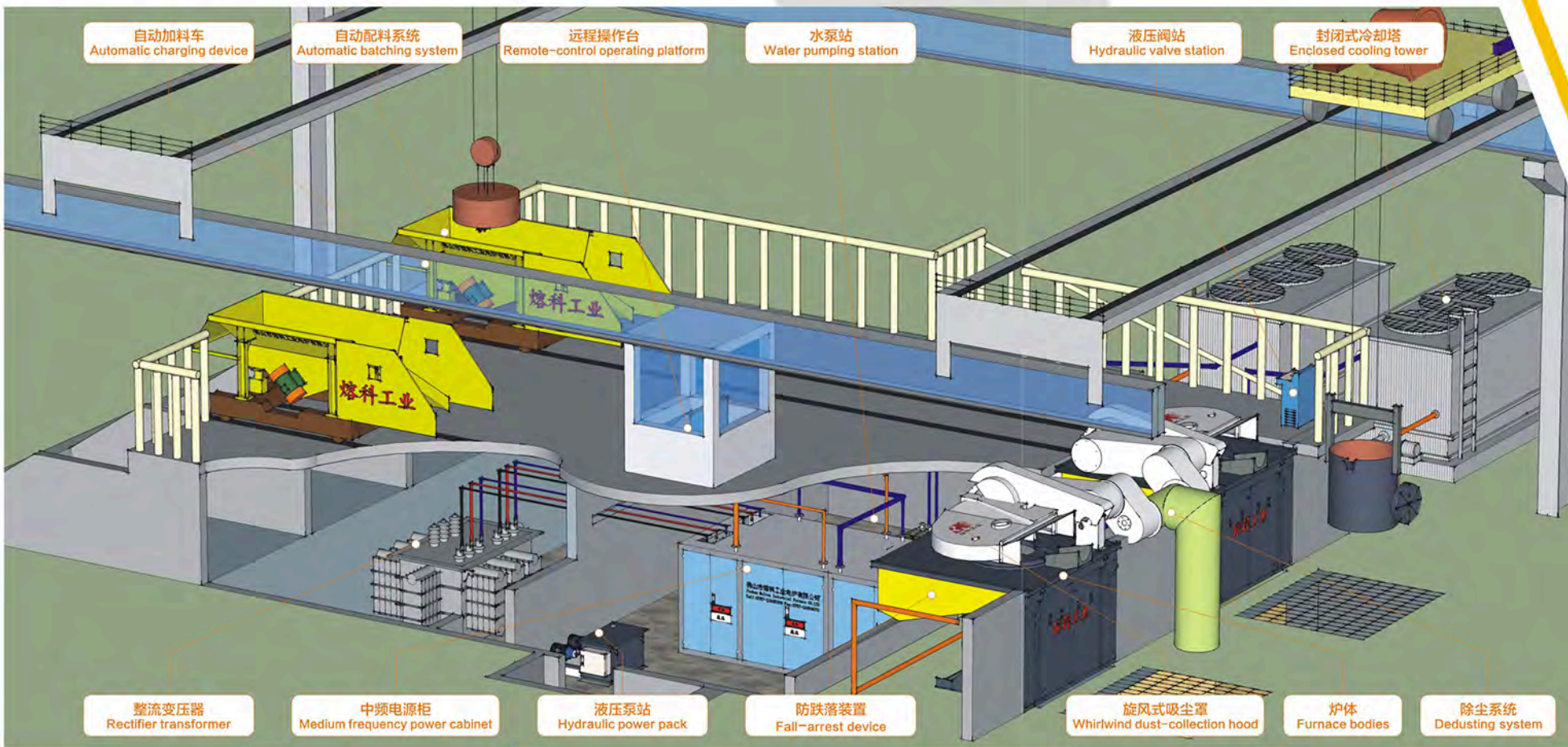
全自动满功率响应设计

电炉安全系统与漏炉保护

智能熔炼管理器

## 工欲善其事 · 必先利其器

Sharp tools make good work



## 您了解熔科吗?

Do you know Rongke?

熔科工业电炉有限公司是一家集生产中频感应熔炼及加热系统、自动配料及加料系统、除尘系统、冷却系统及自动浇注系统的综合公司，公司秉承“以客户为中心，以质量为本，以责任为基石，以诚信为原则”的经营理念，牢记“推动感应熔炼及加热行业安全、节能、环保，持续发展”的使命。凭借优质的产品与优质的服务，始终朝着“成为感应加热行业领跑者”的远景目标前进。

Rongke Industrial Electric Furnace Co., Ltd. is a comprehensive manufacturer which specializes in intermediate frequency induction melting and heating systems, automatic batching and feeding systems, dust removal systems, cooling systems and automatic pouring systems. RK adheres to the principle of "customer-centered, quality-based, Responsibility is the cornerstone, based on the principle of honesty and integrity, bearing in mind the mission of "promoting the safety, energy saving, environmental protection and sustainable development of the induction melting and heating industry". With high-quality products and excellent service, we are always moving towards the long-term goal of "becoming the leader in the induction heating industry".



现场视频展示  
微信版  
WeChat for site  
operation video



动画展示  
Anime show



## 企业理念 CORPORATE PHILOSOPHY

熔科企业篇

让铸造更轻松!  
让企业更融洽!

Make casting easier!  
Make enterprise be more harmonious!



## 核心价值 Core values

为社会创更高价值!  
为行业树品质标杆!  
为客户谋更好发展!  
为企业助锦绣前程!

Create higher value for society!  
Improve the benchmark for industry!  
Seek better development for customers!  
Make a better future for company!



## 发展战略 Development strategy

专注全球更优秀的感应熔炼系统成套设备  
Focus on the world's better integrated induction melting system equipment

## 强大研发团队，领先行业技术 Strong R&D team, leading industry technology

公司将继续坚持专业化的发展战略  
组建一支更具竞争力和开拓力的技术和管理团队  
实现科研与生产相结合让科研成果快速转换为生产力

RK will continue to adhere to the professional development strategy  
Build a more competitive, pioneering technology and management team  
Achieve the combination aim for scientific research and production, and make scientific research results quickly turns into productivity



## 企业荣誉 ENTERPRISE HONOR

熔科企业篇



## 在掌声与关怀中前行……

Move ahead with applause and concern .....

在行业内我们率先通过了ISO9001:2000质量管理体系认证与欧盟CE产品安全体系认证，并且成为广东省高新技术企业，荣获《质量·服务·信誉AAA企业》、《重合同守信用企业》等荣誉称号。熔科公司通过多年的技术积累，获得2项发明专利、10余项实用新型专利、10余项软著。

RK firstly passed ISO9001: 2000 quality management system certification and CE product safety system certification in industrial field, and became a high-tech enterprise in Guangdong, RK has won the honor title of "Quality, Service, Credit AAA Enterprise" and "Contract-honoring and Credit-keeping Enterprise". Through years of technical accumulation, RK has obtained 2 invention patents, more than 10 utility model patents, and more than 10 articles.



# 安全 Safe

熔科技术篇

所有产品通过欧盟CE安全体系认证，更安全可靠！

All products have passed CE and ISO certificates, which are safer and more reliable!

## SCW智能开关

SCW智能型万能断路器安装在电柜的正面作为电源进线的隔离开关，配有手动合闸、自动合闸、失压保护及过流保护功能；并可以通过数字显示进线电流，以便实时监视设备运行状态。在出现故障时可以瞬间的切断故障电流以保护变压器的安全。

## 新一代快速熔断器

配有快速熔断器以提供短路保护，在可控硅未损坏之前使系统得到及时有效的保护。

## 抗干扰保护

对电网无谐波干扰，解决工厂车间因谐波问题而造成的工频补偿装置失效问题和设备受干扰问题。

## 多重保护系统

智能型安全系统具有内水温度、内水压力、外水温度、外水压力、缺相、过流、过压、失压、整流辅助跳脱及漏炉保护，以保证设备安全可靠运行。

## 电源柜门连锁停机装置

当电柜门打开则自动停机，避免操作人员触电事故发生。

## 直流注入式漏炉报警系统

在正常工作时，它连续检测。当发生下列情况时，关断电源：  
金属渗透炉衬到感应线圈或接近感应线圈；炉衬内有过多的湿气；个别电器组件对地低电阻。

## 防坠落保护罩

炉体装有防坠落保护装置，在炉体倾翻过程中，防坠落保护罩自动升起，形成防护栏，防止人员跌落，确保人员更安全的操作。

4号炉

危险  
高压

多项顶尖技术，确保熔炼系统安全运行，规避风险

A number of top technologies to ensure smelting system safe operation and avoid risks

## SCW intelligent switch

SCW intelligent universal circuit breaker is installed in the front of the electric cabinet and works as the disconnecting switch of power input wire, which has many functions, such as manual closing, automatic closing, no-voltage protection and overcurrent protection. Input electric current can be displayed by digital, so as to monitor the equipment operation state in real time. In case of failure, fault current can be cut off instantly to protect the safety of the transformer.

## New-generation high-speed fuse

High-speed fuse can provide short circuit protection. The system can be protected timely and effectively before the SCR is damaged.

## Anti-interference protection

There's no harmonic interference to power grid, which solves the problem of the invalidation of power frequency compensation device in factory and helps to avoid the interference to equipment caused by harmonic waves.

## Multiple protection system

Intelligent security system is equipped with internal water temperature protection, internal water pressure protection, external water temperature protection, external water pressure protection, default phase protection, overcurrent protection, overvoltage protection, no-voltage protection, auxiliary rectifier trip and furnace leakage protection to ensure the safe and reliable operation of the equipment.

## Interlocking power-off device

When the door of power cabinet is open, the equipment will be shut down automatically to protect the operators from electric shock.

## DC injection-type furnace leakage alarm system

In normal operation, the system detects the equipment continuously. In the following cases, the power will be cut off:  
The molten metal permeates through the furnace lining to the furnace coil or near the coil;  
The furnace lining is too wet;  
There is low ground resistance of some electric components.

## Fall-arrest protection cover

Furnace body is equipped with fall-arrest protection cover. When tilting the furnace body, the protection cover rises automatically, thus creating a protective guard to prevent personnel from falls.

# 稳定

熔科技术 Stable

## 卓越的运作源自对细节把控

Excellent operation comes from the control of details

### 行业创新隔音处理设计, 降噪 **58%** 以上

Industry innovative sound insulation design, noise reduction is 58% above

舒适的工作环境是提高效率因素之一, 出于对客户的需求深度挖掘后, 熔科研发团队在行业中最先为电柜静音处理做突破, 选用当前先进降噪材料进行系统降音, 为行业创立实用性风标!

The comfortable working environment is one of factors to improve efficiency. After deeply digging for the customer's demand, the R&D team first made breakthroughs in the silent processing of the electric cabinet in area, we selected the current advanced noise-reducing materials to reduce noise, created practical weathervanes for the industry!

### 精工品质, 信誉成就品牌, 让全球用上好设备

熔科, 始终以严谨, 精细的生产规范以及ISO质量管理体系严格把控。

我们拥有一支严谨而高效的管理团队, 有一套行之有效的管理制度, 有一大批受过系统培训或长期在中频感应熔炼系统领域从事技术和管理工作的人员, 从产品研发设计、元器件选型、生产过程、售后服务及管理方面都拥有极其丰富的经验。并在此基础上总结形成了对中频感应熔炼系统独特的理解和实现方式。保证客户选用的设备安全、稳定、节能及高效的运作, 客户使用价值的最大化!

### Sophisticated quality contributes to the brand reputation all over the world

Rongke strictly controls the quality according to the rigorous and fine manufacturing practices as well as ISO quality management system standards.

We have a rigorous and efficient management team, a set of effective management system, a large number of personnel who have been systematically trained or engaged in the medium frequency induction melting field for a long time and have rich experience in the product research & development & design, selection of components, production, after-sale service and management. We have developed our own unique understanding of medium frequency induction melting system. Our aim is to ensure the safe, stable, energy-saving and high efficient operation of the equipment and maximize the use value for our customers.



可控硅 SCR	铜材 Copper materials	水管 Water pipe	电容 Capacitor
英国西玛 UK Westcode	中铝洛铜 Copper tube made by Chinalco Luoyang Copper Co., Ltd	无碳胶管 Carbon-free rubber tube	美国GE USA GE

### 一流的制造工艺与优越的元器件选型

为确保设备质量, 核心器件均采用国际知名品牌, 并建立了完善的供应商评估系统。

为确保产品质量, 熔科全员参与, 让生产线上的每一位员工都是自检员。

熔科, 一直都以品质为先, 持续多年为广大用户提供优质的成套感应熔炼系统设备, 并成为众多客户的优质设备供应商。

### First-class manufacturing technique and superior components ensure the stability of equipment

To ensure the equipment quality, core components adopt international well-known brands and we have established a set of perfect supplier evaluation system.

All the Rongke employees have participated to control the product quality. Each employee on the production line is self-inspector.

Rongke puts quality as priority, who has supplied superior induction melting equipment to customers for years and has become the quality equipment supplier of many companies.

变换效率高达 **98%** 以上

熔科工业采用独特的电压反馈型串联谐振电路设计,使整套系统在变换效率高达98%以上,有效降低能耗。

功率因数 **> 0.95**

在串联谐振熔炼系统中,我们整流部分采用全开放式设计,移相角自动跟踪,变频电源输出功率可以在额定功率范围内任意调节。不论输出功率值的大小,系统的功率因数始终大于0.95。

#### 谐波量

变频电源采用电压反馈串联型,采用不控整流,工作时整流可控硅全导通,大功率变频电源采用12及24脉冲整流,所以高次谐波分量小,对电网的影响小。用电质量保证达到:国标谐波电流、电压允许值。

#### 感应线圈

线圈损耗占总损耗的30%,一流的线圈设计,能有效的降低线圈损耗。熔科采用中铝洛铜的厚壁TU1无氧铜,铜材纯度为99.97%,导电率在100以上,接头采用高银钎焊,通电效率高,保证合适的匝间距,获得最大的电效率和热效率。



# 节能

熔科技术篇

Energy Saving

## 研发节能产品是我们的责任

Research and development of energy-saving products is our responsibility

#### Higher than 98% conversion efficiency

The unique design-voltage feedback series resonant circuit makes the conversion efficiency of the whole set of system higher than 98%, which effectively reduces the energy consumption.

#### Higher than 0.95 power factor

In series resonant melting system, the design of rectifier part is fully open. The circuit type of variable frequency power supply is voltage series feedback. Uncontrolled rectifier is adopted. The complete breaker of thyristor during work ensures few higher harmonics and little influence on the power grid.

#### Harmonic wave amount

The circuit type of variable frequency power supply is voltage series feedback. Uncontrolled rectifier is adopted. 12-pulse or 24-pulse rectifiers are used for high power supply. The complete breaker of thyristor during work ensures few higher harmonics and little influence on the power grid. Power quality is guaranteed to reach the allowable value of international harmonic current and voltage.

#### Induction coil

Coil loss accounts for 30% of the total loss. Top-level design of the coil can effectively reduce the coil loss. Rongke adopts thick-walled TU1 oxygen-free copper tubes made by Chinalco Luoyang Copper Co., Ltd, which are with 99.97% purity and higher than 100 electric conductivity. Silver-welded joint of copper tubes and proper space between coil turns maximize the electrical and heat efficiency.





# 高效

高科技本篇

High-efficient

## 高效就是我们的执行标准

Efficiency is our executive standard

### 智能熔炼管理器

PLC和人机界面组成一个方便操作的熔炼管理器，功能包括：自动拱炉，冷炉启动，故障诊断，远程监控，故障信息显示和存储，运行信息显示，系统状态显示等。

### Intelligent melting manager

PLC and human-computer interface make up the user-friendly melting manager. The functions include: automatic furnace heating, startup for cold furnace, fault diagnosis, display and storage of fault information, display of running information and system status, etc.

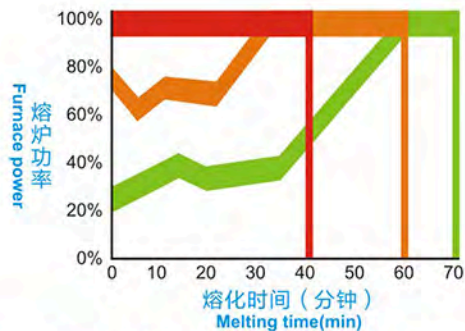


### 全自动满功率响应设计

不论炉况如何变化，系统一直跟踪输出满功率。也就是说，不用操作人员的调节，从熔炼开始到结束，电源始终能够向炉体输送最大功率。高科技的KGPS-CL电源系列不会因为其他电气系统的使用而出现功率波动的现象。直读面板表直接显示功率、电压和频率，而不是百分比。

### Automatic full power response design

Regardless of the change of furnace condition, the system has been tracking and outputting full power all the time. That is to say, the power can supply maximum power to the furnace from the beginning to the end of smelting without the manual adjustment. No power fluctuation will be caused with the use of other electrical systems. The direct reading panel meter can show the power, voltage and frequency instead of showing the percentage.



### 采用电流、电压负反馈型号串联谐振线路，熔化时间最短

Using current & voltage negative feedback series resonant circuit, melting time is the shortest



# 我们的技术

Our technology

熔科技术篇

## 数字化KGPS-CL中频系列

Digital KGPS - CL medium frequency series

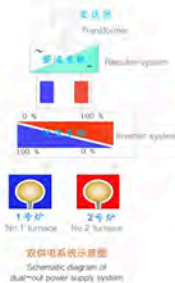


# 100% 利用率

KGPS-CL串联系列电源可以实现单供电、双供电及多供电。双供电电源可以同时向两台炉子供电，并可按任意比例分配两台炉子的功率，因此，其设备利用率可达100%，可以实现大件的一次性浇铸或给生产线连续提供铁水。

### 100% utilization rate

KGPS-CL series can realize single power output, dual power output and multiple power output. Dual-output power supply can supply power to two electric furnaces at the same time and distribute arbitrary proportion of powers to the two electric furnaces. In this way, the equipment utilization rate can reach 100%. One-time casting or continuous molten metal supplied to the production line can be realized.



## 电气技术

熔料消化吸收国际先进技术，拥有自己独特的技术优势：

为市场提供稳定高效的感应电气系统，可以根据不同的应用提供最佳的方案选择。

整流满开放，功率因数高，高次谐波小。

光纤传输触发信号，电子控制采用数字化模式，数字化控制电路，信号传输全部通过光纤实现，抗干扰能力强，系统更稳定。

极具竞争力的耗电量指标。

符合国际规范的电气安全设计标准。

国际化炉体结构设计，设备安全可靠，易维护。

## Electrical technology

After digestion and absorption of international advanced technology, Rongke has developed its own unique technology strengths:

Rongke supplies stable and high-efficiency induction electrical system to the market and offers best solution selection according to different applications.

Fully-open rectification, high power factor and few higher harmonics.

Circuits are controlled by digital, signal transmission is realized by optical fiber, which is with strong anti-interference ability and improves the system's stability.

Competitive power consumption.

Up to the international electrical safety design standard.

International design of furnace body structure, safe and reliable equipment, easy-maintenance



电柜视频展示  
微信版  
WeChat for cover  
cabinet display

## 电源技术

### POWER SUPPLY TECHNOLOGY

知名品牌可控硅，夹具及水冷散热器。

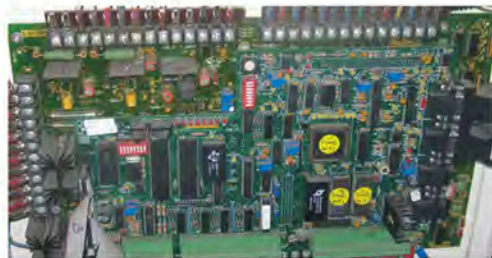
电源柜内铜排和铜管使用国内知名品牌，铜排经喷砂，钝化，制作规范。电源柜元器件布置合理，走线、布线规范，易于维修。

维修人员能很轻易地接触到所有的维修点。

串联谐振设计，模块化设计，宽大的铜排，12及24脉冲整流，带电流显示的全功能主开关。

人性化的设计贯穿整个电源柜设计，易于维护。

封闭式电容柜设计，宽大的输出铜排，损耗低，柜体布局合理。



Famous brand SCR, clamp and water-cooled heat sink.

Copper bar and copper tubes in power cabinet all use domestic famous brands. After abrasive blasting and passivation, the copper bar is standardly made. The components in power cabinet are properly arranged, which helps for easy maintenance and routing. Maintenance personnel can approach all the places that need to be repaired easily. Series resonance design, modular design, broad copper bar, 12-pulse and 24-pulse rectifier, multi-function master switch with current display.

The enclosed power cabinet manifests the concept of humanization design, which is easy for maintenance.

Capacitor box is with enclosed design and reasonable layout.

### 全封闭电容柜

两套串联谐振电容补偿装置，以满足双输出，可以同时两个炉体进行送电，补偿电容经过计算机优化设计，给出最佳值。电容器内容不含有毒物质。电容器组在电源柜内集中布置。

### 逆变电路

大功率逆变可控硅组成了半桥逆变电路，将直流电转变成中频交流电。

### Enclosed capacitor box

Two sets of series resonant capacitor compensation devices can supply power to the two furnaces at the same time. With the optimal design of computer, compensation capacitor helps to make the power factor reach the optimum value. There's no toxic substance inside the capacitor. Capacitor bank is intensively located in the power cabinet.

### Inverter circuit

High-power inverter SCR components make up the half bridge inverter circuit, which converts the direct current into medium frequency alternating current.



### 计算机熔炼管理系统

现场熔炼管理计算机和数字化主控板以及PLC等设备组成了一个网络系统，并且可以通过交换机扩展，如办公室管理、远程诊断、工程师维护、三级网络系统接口等，系统可以对每台设备进行数据采集、传输和监控。

### Computer melting management system

Melting management computer, digital control board and PLC constitute the whole network system. Such system can also be extended by switch, such as office management, remote diagnosis, engineer maintenance, three-stage network system interface, etc. The system can collect, transmit and monitor the data of each equipment.



### 全数字化的控制系统

数字化主控板提供更加精确控制信号，通过光纤传输，提高了传输信号的抗干扰能力，控制更加可靠。

熔炼过程中炉料状况处于不断变化中，数字化控制，实时反应，控制更加稳定。保证整个熔炼过程中，功率始终可以处于满功率运行。

带有以太网口和USB口，所有的控制参数通过以太网口下发，实时运行波形通过以太网上发到计算机显示，提供了更加灵活的通讯方式，提高了人机的交互性。

带有唯一的IP地址，可以在全球任何地方为你提供远程诊断服务。

实时的熔炼数据，通过以太网通讯发送给熔炼管理系统，提高了数据传输中的抗干扰能力，同时为企业提供了可靠详尽的数据用于生产规划和成本核算。

### 自动熔炼控制系统的优势

1. 能够减少炉前操作工人的强度
2. 能够用最优的熔化曲线，保证铁水不会超温，延长炉衬的使用寿命降低能耗。
3. 保证电炉的安全运行，防止超温引起的炉衬损坏，减少由于工人操作大意引起的安全风险。

### Digital control system

Digital master control board provides more accurate control signals. Transmitted by optical fiber, the anti-interference ability is improved and the control is more reliable.

Furnace charging is under change during the process of melting, real-time response of the digital control makes the system more stable, which ensures that the system runs under full-power operation all the time.

All the control parameters are issued by Ethernet port. Real-time operating waves are sent to PC from Ethernet and displayed on PC, which provides a more flexible communication mode and improves the man-machine interaction.

The exclusive IP address enables us to offer you remote diagnosis service from any place in the world.

Real-time melting data is transmitted from Ethernet to melting management system, which improves the anti-interference ability during data transmission and provides reliable and detailed data for manufacturing enterprise to do production planning and cost accounting.

### Strengths of automatic melting control system

- 1.Reduce the working strength of preparatory work.
- 2.Overtemperature of molten metal will not occur with the use of optimal melting curve, which reduces the power consumption and extends the working life of furnace lining.
- 3.Ensure the safe operation of furnace, prevent the damage of furnace lining caused by overtemperature and reduce the operating security risk.

## 炉体技术 FURNACE TECHNOLOGY

# 中频无芯感应电炉系列

Medium frequency coreless induction furnace series

熔科公司的封闭式钢壳炉是按国际标准制造的重型高强度炉体，安全可靠、钢性好、低噪音、低电磁辐射、防灰尘、易维护等优势。

Rongke enclosed steel shell furnace is a kind of heavy, high-strength furnace, which is made according to the international standard. It has the following strengths: safe, reliable, high-rigidity, low noise, low electromagnetic radiation, dustproof and easy-maintenance, etc.

我们的钢壳炉体集合了开放式与封闭式钢壳炉的优点，巧妙的设计使炉体具有更加安全、可靠、低电磁辐射、低噪音、减震效果好、防灰尘、高强度、易维护等优点。

为了便于炉体日常维护，我们设计了维修窗口，窗口平时采用铝合金板封闭。炉底与炉顶端设计排气口，便于烘炉过程中潮气排出。

封闭式钢壳炉能够有效的对电磁辐射进行二次屏蔽，辐射量只相当于开放式炉体的30%；噪音相当于同类设备的70%，在生产过程中可以防止灰尘、铁屑被吸在线圈与磁轭之间，以免线圈通过铁屑或灰尘对磁轭放电而损坏设备。

坚固的磁轭和线圈及上、下部法拉第环，将感应磁场引导、聚集到熔池中，该设计消除了炉体和炉外金属物的感应加热。每个冷却水回路均有流量、温度保护和温度显示。

Our steel shell furnace combines the strengths of both open and enclosed steel shell furnaces. Thanks to this ingenious design, our furnace body is safer and more reliable than others. Besides, our furnace body is dustproof, high-strength, easy for maintenance and with low electromagnetic radiation & noise as well as good effect for shock absorption.

We have designed a maintenance window for easier routine maintenance of furnace body. The window is closed by aluminum alloy plate at other times. Air outlets on the top and bottom of furnace are used for humidity exhaust. Enclosed steel shell furnace can effectively shield the electromagnetic radiation secondarily, whose radiant quantity is only 30% of that of open furnace and noise is 70% of that of similar equipment. Dust and scrap iron will not be absorbed between induction coil and magnet yoke during production, which protects the equipment from damage caused by electric discharge.

Solid magnet yoke, induction coil and upper & lower Faraday rings help to lead and gather the induced magnetic field to the molten bath. Such design eliminates the induction heating of metal inside and outside the furnace. Each cooling water loop has flow and temperature protection as well as temperature display.



炉体视频展示  
二维码  
WeChat for Furnace  
body display video

熔料封闭式炉体包括，封闭式炉架、炉盖、感应线圈、磁扼、炉口及炉底浇注块、倾炉油缸（带防爆阀）、炉盖升降机构、全套不锈钢分配器及水温水压保护装置、高压无炭胶管、防跌落装置、炉衬材料及炉衬快速推出机构。

封闭式的钢架结构，采用厚壁圆筒结合日常维护、检修、减振、降低噪音、降低电磁辐射、防尘等方面巧妙的设计了窗口，整体结构简洁、坚固，最大倾炉角95度。

焊接钢结构，配备适当支撑和夹件固定感应炉线圈和磁扼；感应炉上端部件可拆卸，方便线圈更换。

磁扼均匀地受力于并轨螺栓，并对线圈提供最大的压持力，保证炉衬较长的工作寿命。磁扼用优质冷轧硅钢片制作。线圈与磁扼圆弧状接触，精确吻合。同时多组磁扼被可靠坚固，装拆、调整、检修方便，并沿圆周均匀分布；衬垫采用高质量的绝缘材料。

在炉顶和炉底装有短路环。

复合防漏探针安全可靠，当铁水浸入或即将穿透耐火材料，接近线圈时，自动切断电源并报警。

炉底结构满足采用炉衬推出机构去除炉衬的要求。

Rongke enclosed furnace body includes: enclosed furnace frame, furnace cover, induction coil, magnet yoke, furnace mouth, pouring block on furnace bottom, furnace tilting hydraulic cylinder (with anti-explosion valve), lifting mechanism of furnace cover, stainless steel water distributor, water temperature & pressure protection device, high-pressure carbon-free rubber tube, fall-arrest protection device, furnace lining material and furnace lining fast ejector.

Enclosed steel-frame structure is simple and solid. The maximum inclination angle is 95 degrees.

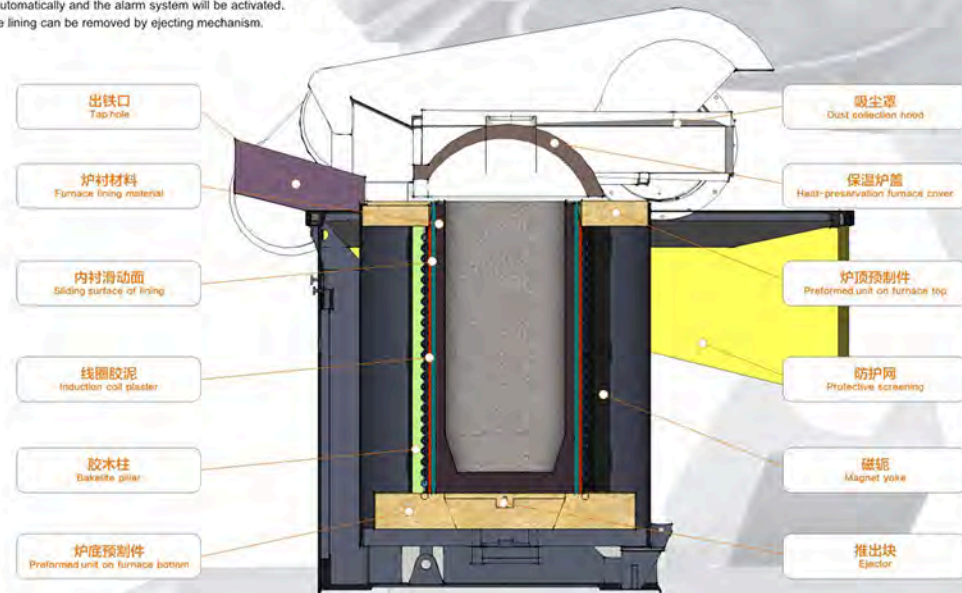
Welded steel structure, equipped with proper support and clamping elements to fix the induction coil and magnet yoke. The components on the top of induction furnace are detachable, which helps to replace the coils more conveniently.

Magnet yoke is evenly forced by bolts and provides maximum pressure and support to the coil to ensure the long working time of furnace lining. Magnet yoke is made by high-quality cold rolling silicon steel sheet. The coil contacts the magnet yoke precisely in arc shape in both curvature and parallelism. Groups of solid and reliable clamp devices for magnet yoke are evenly distributed along the circumference, which are convenient for installation, adjustment and maintenance. Layers of high-quality insulation materials are used for the liner between magnet yoke and coil.

Thermal baffle and short circuit ring are installed on the top and bottom of the furnace.

Composite leakage-proof probe is safe and reliable. When the molten metal permeates through the fire-proof material or near the coil, the power will be cut off automatically and the alarm system will be activated.

The furnace lining can be removed by ejecting mechanism.



出铁口

Tap hole

炉衬材料

Furnace lining material

内衬滑动面

Sliding surface of lining

线圈胶泥

Induction coil plaster

胶木柱

Bakelite pillar

炉底预制件

Prefabricated unit on furnace bottom

吸尘罩

Dust collection hood

保温炉盖

Heat-preservation furnace cover

炉顶预制件

Prefabricated unit on furnace top

防护网

Protective screening

磁扼

Magnet yoke

推出块

Ejector

## 炉体技术 FURNACE TECHNOLOGY

### 旋风式吸尘罩与保温炉盖

旋风式吸尘罩的结构形式使其具有极佳的吸尘效果。

旋风式吸尘罩具有坚固的钢结构设计，打筑有耐火材料的炉盖固定在吸尘罩中间。扁平的钢结构形式，减少了整个吸尘罩的厚度，占用更少的空间。在往天车吊挂的炉前铁水包中倾倒铁水时，更具有优势。在整个出铁水过程中，能获得最大的倾炉角度，确保铁水能被完全倒空。

旋风式吸尘罩能有效地工作在电炉的所有生产阶段，特别是在对炉前铁水进行处理时，也能有效工作。适度翻起的吸尘罩能在炉前球化过程中进行有效的吸尘，这是传统吸尘罩所无法达到的。

#### Whirlwind dust hood and heat-preservation furnace cover

The structure of whirlwind dust hood makes it has the excellent effect of dust absorption.

Whirlwind dust hood is made by solid steel. Furnace cover is fixed in the middle of dust hood. Flat steel structure reduces the thickness of the whole dust hood, which takes up less room. Molten metal can be dumped out completely thanks to the maximum furnace tilting angle.

Whirlwind dust hood can work effectively at any stage of production. Proper tilting of whirlwind dust hood can absorb dust effectively during the spheroidizing process, which can not be realized by traditional dust hood.



### 旋风式吸尘罩工作原理及优点

旋风式吸尘罩与传统的液压倾倒式吸尘罩相比最大的优势在于它的“双重翻转工作模式”，吸尘罩和连接臂能够分别转动，因此它不但可以前后或上下倾翻，还可以在任意位置做停留，并无须操作定位销来决定倾转方向。而传统吸尘罩只能停留在前后或上下四个工位。在炉台工人操作时，旋风式吸尘罩避免了前翻的炉盖对操作人员的烘烤，降低了操作人员的工作强度。

#### Operating principle and strength of whirlwind dust hood

Compared with the traditional hydraulic tilting dust hood, the most obvious strength of whirlwind dust hood is that it can not only rotate forward, backward, up and down, it can also stop at any place and there's no need to use locating pin to decide the tilting direction. However, the traditional dust hood can only be stopped at four positions "forward, backward, up and down". Besides, with the use of whirlwind dust hood, operators can avoid the hot operation, which reduces the operator's working strength.

### 吸尘环与保温炉盖

吸尘环固定在炉口上方，保温炉盖可上下升降或左右旋转，以多种形式配合吸尘结构获得理想的节能和环保效果。

吸尘环的设计，安全可靠且无运动机构，安装维护简单。适用于采用人工投料或采用电磁吸盘加料而无法使用吸尘罩的生产场所。

#### Dust absorption loop and heat-preservation furnace cover

Dust absorption loop is fixed above the furnace mouth. Heat-preservation furnace cover can be moved up and down or rotated right and left to coordinate with dust absorption mechanism for energy conservation and environmental protection.

The design of dust absorption loop is safe, reliable and without movement mechanism, which is easy for installation and maintenance and suitable for the production places that charge the furnace manually or by electromagnetic chuck.

## 炉体技术 FURNACE TECHNOLOGY

### 采用优质的铜管、硅钢片与一流设计

感应线圈是感应熔炼系统的核心部件，同时也是在感应熔炼系统中，能量损耗最大的部件，感应线圈能量损耗占熔炼系统总损耗的20%。

感应线圈采用中铝洛铜生产的坚实、耐用、高导电率、厚壁TU1无氧铜管，纯度为99.9%，导电率在100以上。

有效线圈与水冷线圈一体绕制成型，保持有效线圈与水冷线圈无电压差，防止有效线圈与水冷线圈产生打火现象；线圈表面整体喷砂，采用一流的绝缘技术与材料。线圈周围采用多根高强度胶木柱固定，保证线圈不变形，线圈拆装、维护方便，使用更安全、稳定。

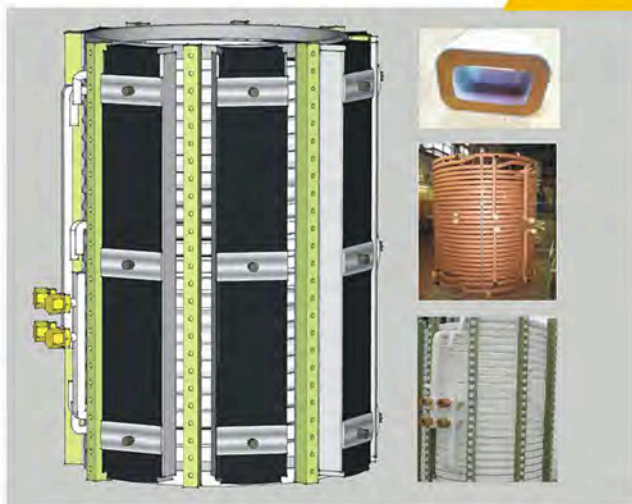
采用优质的铜管与一流线圈设计，能有效的降低损耗。

### High-quality copper tubes, silicon steel sheets and first-class design effectively reduce the power consumption

Induction coil is the core part of induction melting system. Coil loss accounts for 20% of the total loss. Rongke adopts solid, durable and thick-walled TU1 oxygen-free copper tubes made by Chinalco Luoyang Copper Co., Ltd, which are with 99.9% purity and above 100 electric conductivity.

Water cooling coils and effective coils are wound by copper tubes as a whole and no voltage difference exists between water cooling coils and effective coils. The surface of induction coil is processed with abrasive blasting and intertwined by high-quality insulating materials. Many bakelite pillars are fixed around the induction coil to prevent induction coil from deformation. The induction coil is easy for assembly & disassembly and maintenance. The operation is safer and more stable.

With the use of premium copper tubes and the first-class design of induction coil, power consumption can be reduced effectively.



### 磁轭技术

磁轭采用优质冷轧取向硅钢片制作，硅钢片的磁损耗率小于105，磁轭的覆盖率在70%以上，从各个方向均匀的支撑线圈，将感应磁场聚集到熔池中。磁轭两侧整体通水，散热均衡，节能高效，有效提高使用寿命。整体性设计，冷却功能和支撑功能为一体，磁轭整体免维护。采用优质的硅钢片与一流设计，低磁损耗，发热量小，使用寿命长。

### Magnet yoke technology

Magnet yoke is made by high-quality cold rolling silicon steel sheets. Magnetic loss is less than 105 and the coverage rate of magnet yoke is higher than 70%. Magnet yokes support the induction coil from every direction and gather the induced magnetic field to the molten bath.

Water flows through both sides of the magnet yoke, which makes the heat dissipation balanced and effectively improves the working life.

Magnet yoke combines the cooling function with supporting functions, which is maintenance-free.

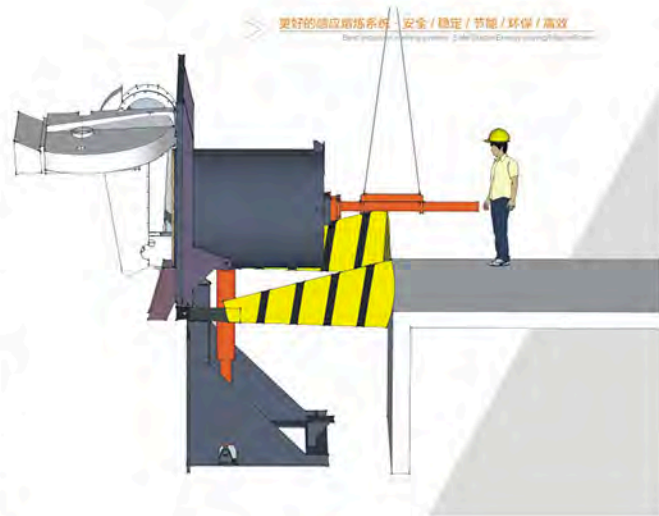
The use of premium silicon steel sheets and the first-class design contribute to the low magnetic loss, small heat productivity and long working life.

### 炉衬推出

炉体底部预先设计好的钢结构快速连接导轨与一套框架式安装的推出机构，包括推出油缸，液压油管，控制阀，油管控制阀。此机构拆装方便，一旦炉冷却到400℃以下，炉体翻转90°，用起重机吊起油缸，将油缸连接法兰直接放在炉体底部预先设计好的导轨内，启动液压泵站，推出炉衬。

### Furnace lining ejecting mechanism

Furnace lining ejecting mechanism includes ejecting oil cylinder, hydraulic pipeline, control valve and pipeline control valve. Such mechanism is easy for installation and disassembly. Once the furnace is cooled below 400°C, furnace body will be tilted 90 degrees. The oil cylinder will be lifted by crane and put to the pre-designed track on furnace bottom, hydraulic power pack will be started and the furnace lining will be pushed out.



### 防坠落保护装置

炉体装有防坠落保护装置，在炉体倾翻过程中，防坠落保护装置自动升起，形成防护栏，防止人员跌落，确保操作人员在炉平台上的安全。保护装置与炉体为统一整体，且结构精巧，达到牢固美观与安全可靠的双重结合。

### Fall-arrest protection mechanism

Furnace body is equipped with fall-arrest protection mechanism. When tilting the furnace body, the protection cover rises automatically, thus creating a protective guard to prevent personnel from falls. Protection mechanism and the furnace body is integrated as a whole, which is with delicate structure, solid, good-looking, safe and reliable.

圆弧形转角提升电磁效率，降低损耗  
Rounded corners improve the electromagnetic efficiency and reduce the power consumption.

整体水冷不锈钢骨架，强杆的结构，良好的冷却效果  
Whole stainless steel skeleton with strong rod structure, good cooling effect.

紧贴线圈外圈的圆形设计，给线圈提供更好的支撑，效率更高，结构更稳定  
Circular design (close to the outer circle) of the magnet yoke provides better support to the induction coil, higher efficiency and more stable structure.

A-A剖面图  
A-A profile chart

## 电炉微机自动配料系统

电炉微机自动配料系统包括：起重电磁铁、电缆卷筒、电缆连接器、遥控整流电控柜、无线微机控制仪、无线吊钩传感器、数码LED显示屏及中控台。配料微机控制仪系统的工作流程：将每炉所需的炉料定值输入到微机配料控制仪内，启动行车按微机配料仪输入炉料种类及顺序到相应的料池中吸吊物料，微机配料仪按输入配方自动配料，配好后给出指令，行车运行到加料车上方，将炉料卸入加料车中，再回去根据下个料号吸吊相应料种配料，一个单元料配好给加料系统信号，加料车系统启动加料程序。如此反复。采用16/32位多微处理器系统，速度更快，精度高，功能更完善，运行更可靠。可无线自动传输配料过程、状态、参数、数据等，配合上位计算机能实现现场组态和实时数据管理，便于现场成份分析和熔化管理。采用无线称重传感器，具有抗冲击、防磁、自动休眠节电功能，秤体开机自动置零。微机控制仪采用触摸屏显示，中文界面，触摸输入配料参数及各种功能、标定，人机界面直观，简洁友好，操作人员即学即会。配有LED称重数码显示屏，可视范围大、距离远；称重数显与配料控制分开显示。操作，维护简单方便；无线数据传输，高集成度，低故障率，稳定可靠，安装灵活，调试简单。



## Furnace microcomputer automatic batching system

Furnace microcomputer automatic batching system includes: lifting electromagnet, cable drum, cable connector, remote-control rectification electric control cabinet, wireless microcomputer controller, wireless hook sensor, digital LED panel and center console. Workflow of furnace microcomputer automatic batching system: input the value of furnace charge for per batch into the microcomputer batching controller; start travelling crane to suck materials according to the type and sequence of furnace charges that has been input into the microcomputer batching controller; microcomputer batching controller will do automatic proportioning, and give instruction to the travelling crane to travel above the feeding vehicle and unload the furnace charging into it, then the travelling crane will come back to suck the next materials. With the adoption of 16/32-bit microprocessing system, the speed is faster, the precision is higher, the function is better and the operation is more reliable. Wireless automatic transmission of blending process, status, parameter, data etc and real-time data management can be realized, which helps for better component analysis and melting management. Wireless weighing sensor is shock resistant, antimagnetic and with auto sleep & automatic zero set function. Microcomputer controller is equipped with touch screen, which is user-friendly, stable, reliable and easy-for-maintenance.



## 自动加料系统

自动加料系统包括：振动加料车、收料仓及防溅罩、电缆拖线装置、电控柜及操作件、限位及安全探测、驱动电机、驱动电机及行走路轨。料车驱动机构采用锥形电机带刹车装置，运行平稳、停车稳定，定位准确，双电机驱动可靠耐用。储料仓、振动料槽槽体为三层结构，中间层采用隔音降噪材料，整体框架结构、槽体采用双层结构、设置消音措施。加料口结构的设计必须结合熔化电炉综合考虑，利于加料，防止料流冲击炉壁，保护炉体，同时利于抽烟除尘的效果。前端带两侧防护板，与除尘盖对接，有效除尘、防铁水飞溅，并有观察窗口方便使用；下料口采用锰板，耐热、耐磨、防磁，有防铁液溅及辅助收尘挡板，并可拆卸，可带粉尘过滤分离装置，还可配合电炉除尘设备及炉盖形式设计下料口。一流的智能化加料系统，稳定、可靠、易维护；工作模式多样灵活，具备自动、半自动、手动工况；给料均匀、速度快、不卡料、铁水不飞溅、操作人员安全、工人劳动强度低、现场干净整洁等优势。



## Automatic charging system

Automatic charging system includes: vibration feeding vehicle, material receiving bin, splash-proof screening, electric control cabinet, safety detector, vibration motor, drive motor and walking track. Drive motor of feeding vehicle is tapered motor with brake equipment, which runs and stops stably and with precise positioning. Dual motor drive is reliable and durable. Material receiving bin and vibration feed trough are with three-layer structure, the middle layer uses soundproof and noise reducing material. The structure of charge inlet should be designed according to the melting furnace, so that it can help for furnace charge, protect furnace body and improve the effect of smoke and dust absorption. Protection plates on both sides connect with the dust hood, which can prevent the splash of molten metal. Feed opening is made by manganese board, which is heat-resisting, wearproof, antimagnetic and detachable. First-class intelligent charging system is stable, reliable and easy-for-maintenance. Its operating mode is flexible and diverse, including automation, semi-automation and manual operation. Furnace charging is uniform, fast, safe, no molten metal splash and clean.



## 集成系统 INTEGRATED SYSTEM

### 闭式冷却系统

闭路冷却系统不易结垢及堵塞水路。冷却效率高，水温度稳定，基本无需维护，较占地面积小，不用做冷却水池，对使用环境要求不高等优点。电源柜和炉体有各自独立的冷却系统，电源柜冷却系统水泵站采用一工一备，炉体冷却系统水泵站采用一工一备加一台循环泵，循环泵功率较小，在停炉冷却期间连续运行，电耗较低。水泵的两端装有单向阀和截流阀，在调换水泵使用时无需开关阀门。



### Enclosed cooling system

Enclosed cooling system is not easy to scale and cause water pipe block. It is with high cooling efficiency, stable water temperature, small occupation and there's no need to use water cooling pond. Both power cabinet and furnace body have their own independent water cooling system. There are two water pumping stations for power cabinet, one for use and the other for backup. Except two water pumping stations, there's another circulating pump for furnace body. Since the power of circulating pump is small, the electricity consumption is relatively low after continuous operation. One-way valve and throttle valve are installed on both ends of water pump, so there's no need to open and close the valve when changing the water pump.



### 电炉除尘系统

该除尘系统包括：电炉集尘罩、分支管、风量自动调节阀、主风管、火花捕集器、除尘器（排灰）、引风机、消音器、排气筒。它综合了分室反吹和脉冲喷吹清灰除尘器的优点，因而扩大了它的应用范围，延长了滤袋使用寿命，是一种高效、经济可靠、处理能力大、使用方便的除尘设备。是目前国内国际普遍推广的成熟、先进结构的袋式除尘器。该除尘器清灰效果好，在同样喷吹压力的条件下和和其它除尘器比较可选用较高的过滤风速，且能保证较高的除尘效率，该除尘器结构紧凑、合理，滤袋采用外滤方式，换袋时无需进入除尘器、换袋操作方便，接触粉尘少，维护工作量少，脉冲阀结构简单、新颖、自身阻力小，清灰效果好。

### 主要特点

#### 可靠实用

该除尘器具有最高的使用可靠性，维护工作和维护费用大大降低。提高了整个系统的经济性。

#### 除尘效率高

对净化含尘浓度  $\leq 15g/N\ m^3$  的气体，除尘效率可达99.5%以上。

#### 操作维修方便

滤袋袋口采用了弹性涨圈，可直接嵌在花板上，即密封又拆装方便，减少了维护人员与污袋的接触。

#### 节能

系统通过PLC控制及变频调节，处理风量可以根据冶炼炉及浇包工作状态化组合，所需风量实时自动调节，减少不必要的能源消耗，节能效果明显，可达30%以上。

#### 清灰彻底

离线清灰方式有更强的清灰力度和彻底性，避免了粉尘的再次附着。流线化的压缩空气管路设计降低了清灰前的压力损失，同时注重改善清灰的均匀性。

#### 均匀气流组织

均匀的气流组织形式对除尘器而言意义重大。我司除尘器采用顺流-逆流方式，合理的结构、均匀的气流组织形式能显著改善对设备局部区域的冲刷，而这种冲刷是滤袋寿命短及设备磨损的重要因素。

#### 自动化程度高

采用西门子PLC全智能化控制，功能齐全，可靠性强；控制系统可与加料系统和熔炼系统互动。操作面板采用触摸屏，人机界面友好，直观、易懂，自动化程度高，风机变频调速，根据各电炉工作状态组合风量自动调风，从而达到高效、节能、环保。



### Furnace dedusting system

**Dedusting system includes:** dust collector hood, branching pipe, air volume automatic regulating valve, air main, spark catcher, dust remover, induced draft fan, silencer and exhaust funnel. It combines the strengths of sectional reverse-blow dust collector and pulse-jet dust-cleaning device and has wider applied range, which is efficient, economic and user-friendly. As the domestically and internationally promoted bag-type dust collector, it has good effect of dust removal. Compared with other pulse dust collectors, it can use higher filtering velocity and has higher dust removal efficiency under the same jetting pressure. Moreover, such dust collector is with compact structure and the filter bag uses external filtration. There's no need to enter the dust remover to change the bag, which is easy to operate and reduces the maintenance workload. Pulse valve is with simple and novel structure, which is effective in dust removal.

#### Following are the main characteristics:

- Reliable and durable:** Such dust remover has the highest operational reliability, which highly reduces the workload and cost of maintenance and improves the economical efficiency of the whole system.
- High efficiency of dust collection:** Efficiency of dust collection is higher than 99.5% for the gas whose dust content is no more than  $15g/N\ m^3$ .
- Easy for maintenance:** The mouth of filter bag uses elastic piston ring, which can be embedded in the rifled plate. Therefore, the filter bag is easy for installation and disassembly and can also reduce the maintainer's contact to the dirty bag.
- Energy-saving:** The system is equipped with PLC to do variable frequency regulation. Air volume can be adjusted automatically in real time, which reduces the power consumption and saves more than 30% of energy.
- Thorough dust cleaning:** Off-line dust cleaning has stronger strength and thoroughness of dust cleaning, which avoids the second adhesion of dust. Streamline design of compressed air line reduces the pressure loss before dust cleaning and improves the uniformity of dust cleaning.
- Uniform air distribution:** Uniform air distribution is very important for dust remover. What we use is downstream-upstream mode for the dust remover. Reasonable structure and uniform air distribution can effectively reduce the scour to the local area of the equipment, so as to extend the working life of filter bag and reduces the equipment wear.
- High degree of automation:** With the use of Siemens PLC, the system is under intelligent control, which is stable and reliable; Control system can interact with charging system and melting system. Operating panel uses touch screen, which is user-friendly, visualized and easy to understand. Air volume can be adjusted automatically according to the operating status of furnace, which is efficient, energy-saving and environmentally friendly.





## 营销网络 MARKETING NETWORK

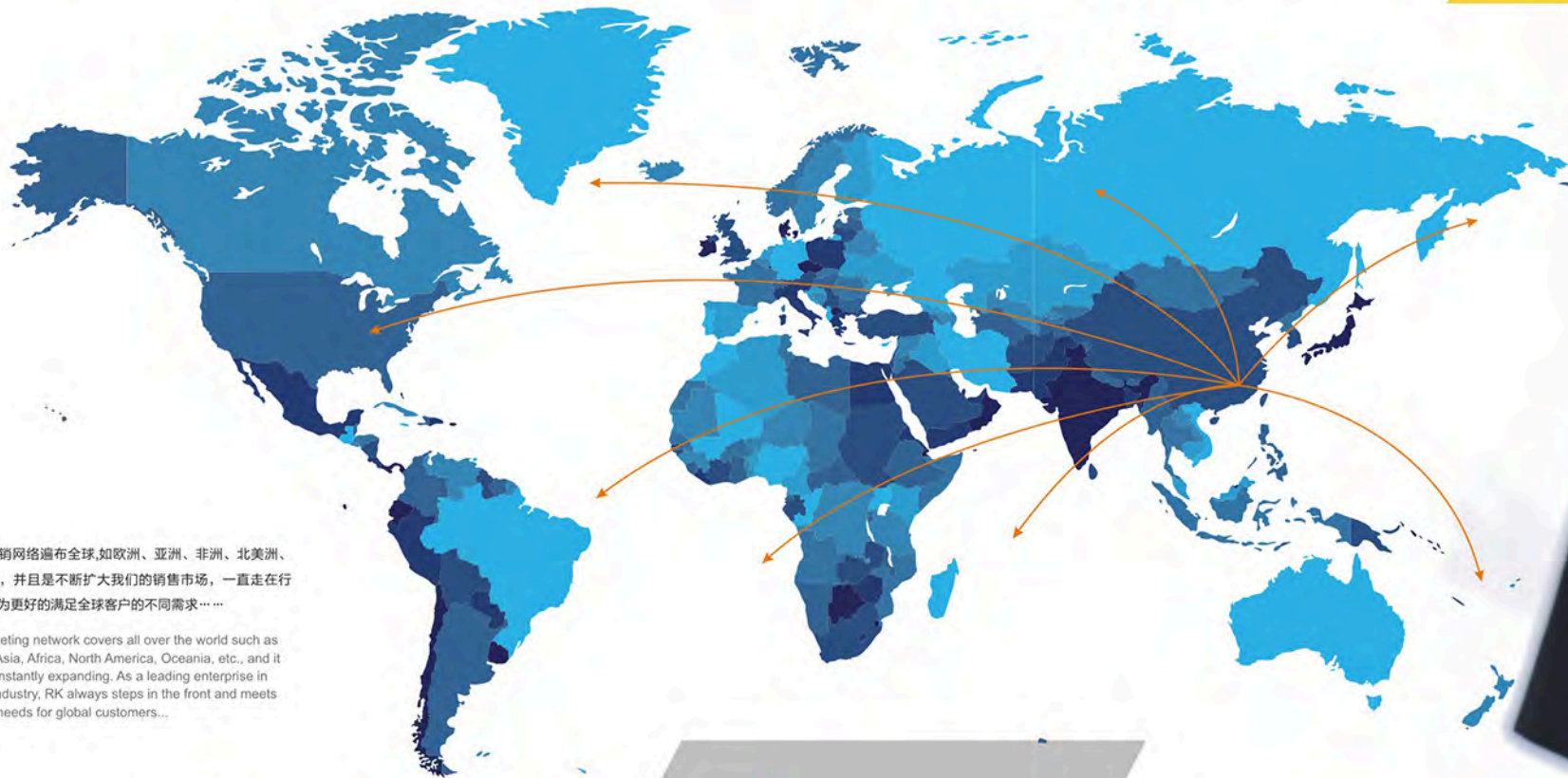
熔科展望篇

### 掌握全局，运筹帷幄之中

Grasp the whole picture, map out the strategy

我们拥有一支严谨而高效的管理团队，有一套行之有效的管理制度，有一大批受过系统培训，技艺纯熟，专业能力超强的同事。为客户提供专业优秀的解决方案，以满足客户需求，进一步实施好“制造世界上更优秀的熔炼系统”这一核心战略……

We have a rigorous and high efficient management team, a well-established management system, and a large number of mature skilled and professional colleagues who have been systematically trained. We will further implement the core strategy of "to be the best smelting system manufacturer in the world" by provide customers with professional and excellent solutions to meet customer needs.



我们的营销网络遍布全球,如欧洲、亚洲、非洲、北美洲、大洋洲等,并且是不断扩大我们的销售市场,一直走在行业前沿,为更好的满足全球客户的不同需求……

Our marketing network covers all over the world such as Europe, Asia, Africa, North America, Oceania, etc., and it keeps constantly expanding. As a leading enterprise in melting industry, RK always steps in the front and meets different needs for global customers...



## 售后服务 AFTER-SALE SERVICE

熔料系统篇

### 立足品牌全球化，服务本地化

Based on global branding and local service

#### 维修服务

在熔料，我们知道您的业务不仅需要高品质的熔炼系统，您还需要与之配套的一流的售后服务。

我们理解您的需求，关注您的感受。

售后服务——更快捷的服务使停炉时间降到最低

我们提供快速的、值得信赖的应急服务，在交通许可的情况下，维修人员将在接到维修通知后24小时之内到达现场。

熔料优秀的、有多年实战经验的服务工程师团队一年365天，一天24小时随时待命，接听您的电话，为您提供专业的技术指导，帮助远程诊断设备问题，把停炉时间降到最低。为您提供全天候的保障。

如果您觉得现有的熔炼系统的服务费用太高，请联系熔料。

#### 设备维护计划

预防性的设备维护计划——防患于未然，保障设备连续运行

为保证您的设备长期、稳定的运行，我们可以为客户提供预防性的设备维护计划。

根据计划，对设备进行定期回访，对设备进行预防性的维护和检查，发现现存的和潜在的问题，并有针对性的进行解决，防患于未然。

#### Maintenance Service

We know well that your business requirement is not only high-quality smelting system, but also first-class after-sales service.

We understand your demand and pay attention to your feeling.

We'll minimize downtime of furnace by our fast and efficient after-sale service

We provide fast, reliable emergency services, engineers will arrive at the site within 24 hours after receiving the maintenance notice if there is no traffic problem.

Rongke's excellent and years of practical experience service engineers team will stand by 24 hours all days and years, to answer your calls and provide professional technical guidance, remote diagnosis of equipment problem and minimize furnace downtime at anytime all the year round.

If you think the service cost of existing smelting system is too high, please feel free to contact us.

#### Maintenance Plan

Preventive equipment maintenance plan——take preventive measures before occur to ensure continuous operation of equipment

To ensure the long-term and stable operation of equipment, we can provide you preventive equipment maintenance plan.

According to this plan, we will visit regularly and offer preventive maintenance and inspection for equipment. Once finding out existing and potential problem, we will solve it all of them on the spot.

您的每一份订单都将得到我们的技术与工程部的认真分析研究，并一丝不苟的完成每一个细节。同时，我们也可以作为顾问介入贵公司的项目流程，提供可行性分析，特别就各种装备的技术要求提出我们的意见。另外，在新的产品的设计和技术开发阶段，我们也完全有能力成为您首选合作伙伴。

Each order will be analyzed and researched seriously by our technology and engineering departments. Every detail will be finished meticulously. At the same time, we can also participate in your project as consultant, provide feasibility analysis and make suggestions to the equipment technical requirements. And we are confident that we'll be your preferred partner in the design of new product and technology development.



## 顾问服务 COUNSELING

#### 项目流程示意图

Project service flow chart





## 成功案例 SUCCESSFUL CASES

熔科展望篇

### 成功的实例是给予客户最大的信心

Successful cases give utmost confidence to customers

#### 串联双供电工作现场 Series dual-output melting system working site



#### 部分成功案例

##### 乐昌市金丰机械制造有限公司

10.0T串联一拖二  
 熔化时间：55分钟 / 炉  
 耗电量：490度 / T铁水

##### 广东德庆金泰铸造有限公司

3.0T串联一拖二  
 熔化时间：50分钟 / 炉  
 耗电量：505度 / T铁水

##### 东莞市耀益五金制品有限公司

2.0T串联一拖二  
 熔化时间：48分钟 / 炉  
 耗电量：520度 / T铁水

##### 广东泰邦机械制造有限公司

8.0T串联一拖一  
 熔化时间：50分钟 / 炉  
 耗电量：538度 / T铁水

##### 江门市瑞和铸造有限公司

2.5T串联一拖二  
 熔化时间：46分钟 / 炉  
 耗电量：520度 / T铁水

##### 平遥县峰裕机械铸造有限公司

1.5T串联一拖二  
 熔化时间：45分钟 / 炉  
 耗电量：518度 / T铁水

##### 福建龙岩市壹荣铸造有限公司

5.0T串联一拖二  
 熔化时间：50分钟 / 炉  
 耗电量：500度 / T铁水

##### 梅州市洪裕汽车配件有限公司

2.5T串联一拖二  
 熔化时间：45分钟 / 炉  
 耗电量：525度 / T铁水

##### 更多案例请来电咨询……

##### 江门市江新铸造有限公司

3.0T串联一拖二  
 熔化时间：50分钟 / 炉  
 耗电量：510度 / T铁水

##### 湖北信诺达机械制造有限公司

2.0T串联一拖二  
 熔化时间：48分钟 / 炉  
 耗电量：517度 / T铁水

#### 验收报告 Receiving Report





## 远景目标

PROSPECTIVE  
TARGET

熔科展望篇

引领行业，精益求精！  
着眼未来，持续发展！

Leading the industry, focus on future, keep improving and sustainable development



Safe

Stable

Energy-saving

High-efficient

好工具 · 事半功倍

Good tools help to get double benefit  
by doing half of work



熔科工业官网  
Rongke website



阿里巴巴官网  
Alibaba website



企业公众号  
Enterprise WeChat

广东熔科工业电炉有限公司

GUANGDONG RONGKE ELECTRIC FURNACE CO., LTD

地址：广东省佛山市顺德区北窖镇居委工业区兴隆八路  
Add: No.8 Xinglong Road, Industrial Park of Neighbourhood Committee,  
Beijiao Town, Shunde District, Foshan City, Guangdong Province, China  
Tel: +86-757-22605398 Fax: +86-757-26394070  
E-mail: rkgyl688@126.com QQ: 898004780  
Company website: <http://www.cnrkgy.cn>  
Alibaba website: <http://zgrkgy.en.alibaba.com>