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**Hochiep**

苏州宏创高频加热设备有限公司

Suzhou Hongchuang High Frequency Heating Equipment Co., Ltd.

中国·江苏·常熟市经济技术开发区东张镇南大街  
South Street, Dongzhang Town, Economic & Technological Development Zone,  
Changshu City, Jiangsu Province, China

电话(Tel): +86-512-5213 7966 / 0512-5213 7828

传真(Fax): +86-512-5213 7965

E-mail: szhc7966@163.com



鸿创智能装备(苏州)有限公司

Hongchuang Intelligent Equipment (Suzhou) Co., Ltd.

中国·江苏·常熟经济技术开发区江南大道59号滨江科技创新中心29幢  
Building No. 29, Binjiang Science and Technology Innovation Center, No.59 Jiangnan Avenue,  
Changshu Economic and Technological Development Zone, Jiangsu Province, China

电话(Tel): +86-512-52316328

传真(Fax): +86-512-52316326

E-mail: limao@hcznzb.net

691315

—  
股票代码  
Equity Code



**THE MANUFACTURER  
OF HIGH FREQUENCY  
INDUCTION HEATING  
EQUIPMENT**

高频感应加热设备智造商



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# THE MANUFACTURER OF HIGH FREQUENCY INDUCTION HEATING EQUIPMENT

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## CATALOG

目录

01	关于宏创	About Hongchuang
03	资质荣誉	Qualification Honor
05	产品中心	Products Center
07	数字式感应加热设备	Digital Induction Heating Equipment
11	手持式数字感应加热设备	Hand-held Digital Induction Heating Equipment
13	普通型中、高频感应加热设备	Ordinary Intermediate & High Frequency Induction Heating Equipment
13	中   高频感应加热设备	Intermediate   High Frequency Induction Heating Equipment
16	超高频感应加热设备	Ultra-high Frequency Induction Heating Equipment
18	配套设备	Corollary Equipment
18	冷水机	Water Chiller
19	冷却塔	Cooling Tower
20	淬火机床	Quenching Machine Tool
21	自动化专机	Automation Professional Machine(customer customization)
21	过滤器高频焊接机	High Frequency Filter Welding Machine
22	铜管高频退火专机	High Frequency Copper Tube Annealing Machine
23	双工位分配器焊接设备   制冷暖通行业分配器焊接专机	Double Station Distributor Welding Machine   Refrigeration HVAC Industrial Distributor Special Welding Machine
24	汽车油管高频气体保护焊接专机	High Frequency Ggas-Shielded Welding Machine for Automobile Oil Pipe
25	自动化多工位热装配专用设备	Automatic Multi-station Thermal Assembly Equipment
26	多工位自动化钎焊设备	Multi-station Automation Brazing Equipment
27	在线式自动化焊接设备	Online Automatic Welding Equipment
28	电动机定子、转子自动化热装专机	Automatic Hot Professional Assembly Machine for Motor Stator/Rotor
29	多工位模具加热专机	Multi-station Mould Heating Machine
30	自动淬火专机	Automatic Quenching Machine
31	换热器接头自动钎焊机	Automatic Brazing Machine for Heat Exchanger Joints
32	铝管接头自动钎焊机	Automatic Brazing Machine for Aluminum Tube Joint
33	双工位仪表自动钎焊设备	Double Station Automatic Meter Brazing Equipment
34	多工位自行车辅件感应钎焊设备	Multi-station Induction Brazing Equipment for Bicycle accessories
35	一拖二感应钎焊设备	One Drive Two Induction Brazing Equipment
36	中频高分子扩散焊机	IF Polymer Diffusion Welder
37	应用案例	Application Case
39	优质服务	Good Service
40	合作伙伴	Partners



## ABOUT HONGCHUANG

### 关于宏创



苏州宏创高频加热设备有限公司位于江苏省常熟经济技术开发区内，是一家科技型高新技术企业，公司拥有全数字、智能型感应加热核心专利，专注于全系列数字化感应加热电源及自动化生产线的研发、生产和销售，产品应用涉及航空航天、机械制造、电力电子、医疗器械、五金机电、制冷暖通等行业及领域。

公司于2017年在江苏股交中心挂牌上市，股票代码691315。2020年3月成立子公司鸿创智能装备(苏州)有限公司，专注智能装备、自动化设备的研发、生产、销售。

Suzhou Hongchuang High Frequency Heating Equipment Co. Ltd is located in economic & technological development zone in Jiangsu province. We're a technology-based high-tech enterprises, having patents for full digitizing and intelligent induction heating core technology. We specialize in the R&D, production and sales of the all series of digital induction heating power supply and automatic production line. Our products can be applied to aerospace, machinery manufacturing, power electronics, medical equipment, hardware & electric, HVAC Project Engineer and other industries and fields.

Our company was listed on the Jiangsu Stock Exchange Center in 2017, with a stock code of 691315. In March 2020, its subsidiary Hongchong Intelligent Equipment (Suzhou) Co., Ltd. was established, which focuses on the research and development, production and sales of intelligent and automation equipment.



#### 秉承宗旨

市场为先 科技为本  
质量第一 服务至上

#### 发展理念

信誉如海 企业似舟  
科技如舵 质量如帆

#### 恪守准则

团结 敬业 务实 创新

#### 质量方针

执行质量保证体系，健全质量体验制度，生产优质尖端产品，满足客户各种需求

#### 营销理念

以合理的价格为客户提供一流产品，以优质的服务赢得客户的信誉



建立卓有成效的品牌建设之路，使公司发展更具规范性，广阔性。是品质、细节、认真、坚持让品牌更具活力；是标准、责任、荣誉和使命鞭策我们承载过去，开创未来！

Build a successful road of brand building, make the development of company more standardized and broad. It is the quality, detail, seriousness and persistence that make brand more dynamic. It is standard, responsibilities, honor and mission that urge us to carry the past and create the future!



## QUALIFICATION & HONOR

### 资质荣誉







数字式感应加热设备  
Digital Induction Heating Equipment



手持式数字感应加热设备  
Hand-held Digital Induction Heating Equipment



普通型中、高频感应加热设备  
Ordinary Intermediate & High Frequency Induction Heating Equipment



超高频感应加热设备  
UHF Induction Heating Equipment



配套设备  
Corollary Equipment



自动化专机  
Automation Professional Machine  
(customer customization)

## PRODUCTS CENTER 产品中心

专注于全系列数字化感应加热电源及自动化生产线的研发、生产和销售，产品应用涉及航空航天、机械制造、电力电子、医疗器械、五金机电、制冷暖通等行业及领域。

We specialize in the R&D, production and sales of the all series of digital induction heating power supply and automatic production line. Our products can be applied to aerospace, machinery manufacturing, power electronics, medical equipment, hardware & electric, HVAC Project Engineer and other industries and fields.





## 数字式感应加热设备 DIGITAL INDUCTION HEATING EQUIPMENT



### 功能特点 FUNCTIONAL FEATURES

#### 多段加热 MULTISTAGE HEATING

实现多段加热设定(基本型为5段,也可根据客户需求定制)  
Implementation multistage heating setting. (The basic mode is 5-stage. We can be customized according to customer requirements)

#### 多种存储 MULTIPLE STORAGE

实现多种运行参数存储,一键式调取  
Multiple operation parameter storage, a one-click transfer

#### 人机交互 THE HUMAN-COMPUTER INTERACTION

交互式人机界面  
Man-computer interaction interface

#### 精确加热 ACCURATE HEATING

加热时间可精确到0.1秒  
The heating time can be accurate to 0.1 second

#### 接口丰富 PLENTIFUL INTERFACES

可接入RS-485、Profibus、CAN等工业总线中  
Access to the different industrial buses like RS-485、 Profibus、 CAN and so on

## 与普通型高频加热设备工艺对比 COMPARED WITH ORDINARY HF INDUCTION HEATING EQUIPMENT TECHNOLOGY

模拟感应加热设备(国内现有)与数字式感应加热设备(国内首创)整体比较如下:  
Comparison of the analog induction heating equipment (domestic existing) and the digital induction heating equipment (domestic first)

	普通型高频加热设备 Ordinary HF Induction Heating Equipment	数字式感应加热设备 Digital Induction Heating Equipment
外观对比 Appearance		
性能对比 Function	IGBT保护不够,容易损坏,维修成本高 Insufficient IGBT protection, easy to damage, high maintenance cost	驱动方式软、硬件结合,全面保护核心器件 Drive mode is a combination of software and hardware, comprehensive protection of core devices
焊接工艺对比 Welding Process	焊接设备一致性差,焊接工艺标准难以统一 The welding equipment has poor consistency, the welding process standard is difficult to unify	全数字电路控制,输出一致性高,减小设备差异 All digital circuit control, high consistent output, reduce equipment difference
多段加热对比 Multistage Heating	无法实现多段温加热,保温时间短,易开裂 Hardly achieve multistage heating, short holding time, easy to crack	多段功率和时间设置,使工艺设计更为灵活 Multi-stage power and time setting make process design more flexible
操作界面对比 Operation Interface	工人可自行调整工作参数,工艺要求管控难 Workers can adjust their working parameters, the process requirement is hard to control	密码锁定操作界面,工艺人员统一密码设置 Password lock operation interface, process personnel unified password setting
接口对比 Interface	无法与PLC通讯,难以接入工厂现场总线 Unable to communicate with PLC, it is difficult to access the factory fieldbus	丰富的通讯接口,全面满足自动化接入需求 Multiple communication interface, fully meet the need of automatic access



## 交互式人机界面 INTERACTIVE MAN-MACHINE INTERFACE



## 操作界面 Operation Interface



## 报警信息 Alarm Information

报警信息	
名称	过流
建议	1、检查是否短路； 2、检查是否空载运行； 3、检查设置电流是否过大。
名称	欠水、过热
建议	1、检查供水系统； 2、检查管路是否阻塞； 3、改善IGBT散热环境。
名称	过压
建议	1、检查供电系统； 2、检查电网电压是否过高。
名称	缺相
建议	1、检查供电系统； 2、检查空开是否正常； 3、检查整理模块故障。



## 技术参数 TECHNICAL PARAMETERS

项目 Item	型号 Model	DIH-30	DIH-40	DIH-50	DIH-60
输出 OutPut	额定输出功率 (KW) Rated Output Power	18	25	35	45
	最大输出功率 (KW) Max Output Power	30	40	50	60
	暂载率 Duty Cycle	100%	100%	100%	100%
	输出功率调整范围 Output Power Adjustment Range	5~100%	5~100%	5~100%	5~100%
输入 InPut	频率范围 (KHz) Frequency Range	10~55	10~55	10~55	10~55
	输入电压 (V) Input Voltage	3×380	3×380	3×380	3×380
冷却 Cooling	频率 Frequency	50Hz	50Hz	50Hz	50Hz
	冷却水最小流量 Min Flow of Cooling Water	10L/Min	10L/Min	15L/Min	15L/Min
	冷却水入水口最高温度 The Maxi Temperature of Cooling Water Inlet	Max.35℃	Max.35℃	Max.35℃	Max.35℃
	冷却水压力 最小/最大 Min/max Cooling water pressure	0.1-0.3MPa	0.1-0.3MPa	0.1-0.3MPa	0.1-0.3MPa
其它 Other	冷却水水质 -pH值 pH of Cooling Water Quality	7.0~9.0	7.0~9.0	7.0~9.0	7.0~9.0
外形尺寸 (长×宽×高) Dimension (L×W×H)	环境温度 Environment Temperature	+5℃~+40℃	+5℃~+40℃	+5℃~+40℃	+5℃~+40℃
	主分机尺寸 Main Extension Size	550×320×500	600×400×620	680×420×725	600×420×700
		360×262×330	410×285×380	470×304×390	470×304×390



## 手持式数字感应加热设备 HAND-HELD DIGITAL INDUCTION HEATING EQUIPMENT



### 功能特点 FUNCTIONAL FEATURES

#### 移动方便 EASY TO MOVE

手持式对于复杂并难以接近的工件或车间位置, 都可实现感应钎焊, 体积小, 移动方便, 操作简单  
For complex and inaccessible workpieces or workshop locations, hand-held type is small-sized, simple operation and move easily, it can easily do induction brazing

#### 高效的工作环境 EFFICIENT WORKING ENVIRONMENT

感应加热安静舒适, 并不会导致周边环境升温  
Induction heating is quiet and comfortable, it won't cause the temperature surrounding environment to rise

#### 操作精确 ACCURATE OPERATION

频率高, 加热输出稳定, 工作加热无振动, 确保焊接位置准确, 可焊接最小直径0.1mm极细金属, 可根据工件不同形状定制感应器  
High frequency, stable heating output, no vibration during working heating, accurate welding position, the minimum diameter 0.1mm of metal can be welded and the sensor can be customized according to the different shape of the workpiece

#### 可控性强 STRONG CONTROLLABILITY

感应加热的可控性及精准的热量传递, 在最大程度上降低了过热的风险, 从而避免加热工件损坏, 降低了损耗度  
The controllable induction heating and accurate heat transfer reduce the risk of overheating, thus avoiding the damage to the workpiece and reducing the loss to the minimum extent

#### 操作方便 EASY TO OPERATE

钎焊时无需把批量工件搬运或存放在钎焊设备附近, 是在线钎焊的理想选择  
When brazing, it is not necessary to carry or store bulk workpieces near brazing equipment, it is an ideal choice for online brazing

#### 降低成本 COST REDUCTION

高效和精确的加热过程确保一次焊接的合格率, 将废料、返工和能源消耗都降到最小  
Efficient and accurate heating ensures the qualification of primary welding, minimize the waste, rework and energy consumption

应用于制冷暖通行业、汽车行业、家用电器行业、医疗器械等。

适应工艺: 空调制冷阀件、冰箱冰柜管路件、太阳能配件、压缩机部件、洗衣机(管与管的连接、管与外壳的连接、管与阀门的连接)、汽车配件中蒸发器和压缩机的连接、电动机的短路环等钎焊工艺。

It is applied to refrigeration and HVAC industry, automobile industry, household electrical appliance industry, medical equipment and so on.

Applicable process: valve parts of air conditioning refrigeration, refrigerator freezer pipeline, accessories of solar, parts of compressor, washing machine (pipe connections, tube and shell connection, pipe and valve connection), auto parts of the connection between the evaporator and the compressor, such as soldering process of the short circuit loop of the motor.

### 技术参数 TECHNICAL PARAMETERS

名称 Name	手持式数字感应加热设备 Hand-held Digital Induction Heating Equipment	
控制方式 Control Mode	全数字电路控制 All Digital Circuit Control	
工作模式 Working Mode	手动模式、自动模式 Manual Mode, Automatic Mode	
加热电流设置段数 Number of Heating Current Setting	5段 5-stage	
工件参数储存数量 The Number of Stored Workpiece Parameters	10个/模式 10/Mode	
工作状态显示内容 Content of Working Status	时间、电流 Time、Current	
报警界面 Alarm Interface	过流、过压、欠水、欠压、缺相、过热等 Overcurrent, overpressure, under water, undervoltage, phase loss, overheat, etc.	
型号 Model	PHC-30	PHC-40
输出功率 Output Power	3-30KVA	4-40KVA
输出频率范围 Output Frequency Range	10~60KHz	10~60KHz
主分机电缆长度 Length of Main Extension Cable	2-5M	2-5M
输入电压 Input Voltage	380V±10%	380V±10%
输入频率 Input Frequency	50/60Hz	50/60Hz
输入功率因数 Input Power Factor	0.95	0.95
最小断路器 Min Circuit Breaker	3P-63A	3P-63A
进水最高水温 Max Inlet Water Temperature	35℃	35℃
水压 最大/最小 Water Pressure (Max/min)	4/6bar	4/6bar
工作环境温度 Working Environment Temperature	+5℃~+50℃	+5℃~+50℃
外形尺寸(长×宽×高) Overall Dimensions(L×W×H)	550×340×500	600×400×620



## 普通型中、高频感应加热设备

ORDINARY INTERMEDIATE & HIGH FREQUENCY INDUCTION HEATING EQUIPMENT

### 中 | 高频感应加热设备

INTERMEDIATE | HIGH FREQUENCY INDUCTION HEATING EQUIPMENT



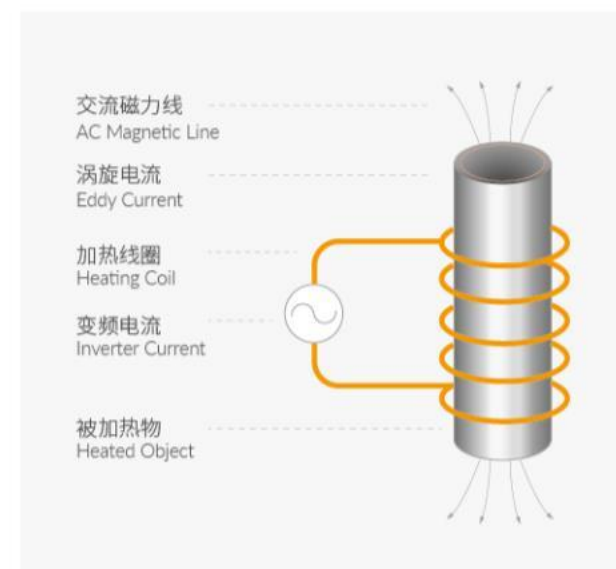
## 工作原理 WORKING PRINCIPLE

高频感应加热设备是利用电磁感应原理,使处于交变磁场中的金属材料内部产生感应电流,从而把金属材料加热直至熔化的一种电热设备。它也可以穿透非金属材料,对金属材料局部或全部迅速加热。

“宏创高频”依照上述原理研制生产的高、中频加热设备有普通型、温控性和智能型等多种类型。

High frequency induction heating equipment adopts electromagnetic induction principle, making the metal material generate induced current in the circle of the alternating magnetic field to melt metal material. It can also penetrate non-metallic materials, heating the metal parts or all of them quickly.

In accordance with the above principles, the high frequency and medium frequency heating devices we developed are of various types, such as common type, temperature control type and intelligent type.



## 功能特点 FUNCTIONAL FEATURES

### 加热效率高 HIGH HEATING EFFICIENCY

加热温度高,速度快,加热时间短,金属材料受热均匀。被加热物的表面氧化少,工件变形小,而且是非接触加热

High heating temperature, fast speed, short heating time, the metal material is heated evenly. The surface of the heated material is less oxidized, the workpiece is less deformed, and it is non-contact heating

### 调节灵活 FLEXIBLE ADJUSTMENT

输出功率调节灵活,方便,控制准确,被加热工件的温度容易控制,因此产品质量稳定

The output power is flexible, convenient and accurately-controlled. The temperature of the heated piece is easy to control, so the product quality is stable

### 感应器可定制 SENSOR CAN BE CUSTOMIZED

改变感应加热圈的形状可以加热复杂的工件,也可以实现局部加热

Changing the shape of the induction heating coils can heat complex workpieces, and also achieve local heating

### 高效节能 HIGH EFFICIENCY AND ENERGY SAVING

由于采用自身损耗小的IGBT和逆变控制技术,整机效率可达95%以上,并且节能、节水效果显著

Due to the low loss of IGBT and inverter control technology, the efficiency of the whole machine can reach over 95%, and the effect of energy-saving and water-saving are significant

### 操作简单 SIMPLE OPERATION

设备体积小,质量轻,作业环境好,没有噪音和灰尘,设备接通水电即可工作,操作简单,维修方便

The equipment is small in size, light in quality, good in working environment, no noise and dust, it can start working only by connecting with water and electricity, easy to operate and easy to maintain

### 性能可靠 RELIABLE PERFORMANCE

各种保护动作灵敏,主要器件寿命长,整机的故障率低,性能可靠,可连续工作

All kinds of protection actions are sensitive, the main device life is long, the failure rate of the whole machine is low, the performance is reliable, the machine can work continuously



## 中频技术参数 INTERMEDIATE FREQUENCY TECHNICAL PARAMETER

项目 Item	型号 Model	ZP-50	ZP-60	ZP-80	ZP-100	ZP-120	ZP-160	ZP-200
额定电压 (V) Rated Voltage		380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
输入功率 (kVA) Input Power		5~50	5~60	5~80	5~100	5~120	5~160	5~200
输入振荡频率 (kHz) Input Oscillation Frequency		3~19	3~19	3~19	3~19	3~19	3~19	3~19
负载持续率 Load Duration		100%	100%	100%	100%	100%	100%	100%
冷却水压 (Mpa) Cooling Water Pressure		0.15~0.3	0.15~0.3	0.2~0.35	0.2~0.35	0.25~0.4	0.25~0.4	0.25~0.4
出水流量 (L/Min) Output Water Flow		15~30	15~30	20~40	20~40	35~50	35~50	35~50

## 高频技术参数 HIGH FREQUENCY TECHNICAL PARAMETER

项目 Item	型号 Model	GP-20	GP-30	GP-40	GP-50	GP-60	GP-80	GP-120
额定电压 (V) The Rated Voltage		220V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
输入功率 (kVA) The Input Power		2~20	3~30	4~40	5~50	5~60	5~80	5~120
输入振荡频率 (kHz) Input Oscillation Frequency		30~110	30~100	3~90	3~90	30~60	30~60	30~60
负载持续率 Load Duration		100%	100%	100%	100%	100%	100%	100%
冷却水压 (Mpa) Cooling Water Pressure		0.05~0.15	0.1~0.3	0.1~0.3	0.1~0.3	0.15~0.3	0.15~0.3	0.2~0.35
出水流量 (L/Min) Out of the Water Flow		5~10	5~15	10~20	15~30	20~35	25~35	25~40
外形尺寸 (长×宽×高) Dimension (L×W×H)		420×240×400	550×320×500 360×262×330	600×400×620 410×285×380	680×420×725 470×304×390	600×420×700 470×304×390		

## 超高频感应加热设备

### ULTRA-HIGH FREQUENCY INDUCTION HEATING EQUIPMENT



## 功能特点 FUNCTIONAL FEATURES

### 节省空间 SPACE SAVING

体积小、节省空间，面板仅有一个电源开关及一个功率调节轻触键，操作十分简单

Small-sized, with only one power switch and a power regulation touch key on the panel, easily operated

### 性能稳定 STABLE PERFORMANCE

工作加热无振动，确保焊接位置准确，可焊接最小直径0.1mm极细金属  
No vibration during working, precise welding position, it can even weld 0.1mm diameter of metal

### 操作简单 SIMPLE OPERATION

采用微电脑软件自动捕获频率，最大限度降低感应头制作要求。频率高，加热输出稳定

Using micro computer software to capture frequency automatically is to reduce the production requirements of sensor head to the minimum extent. High frequency, stable heating output

### 感应器可定制 CUSTOMIZED SENSOR

可根据工件不同形状定制感应器

The sensor can be customized according to the workpiece



## 技术参数 TECHNICAL PARAMETERS

型号 Model	CGP-6.0kw	CGP-12kw	CGP-20kw	CGP-30kw	CGP-40kw
输入电源电压(V) Input Voltage V	单相 Single-phase 220V 50-60Hz	单相 Single-phase 220V 50-60Hz	三相 Three-phase 380V	三相 Three-phase 380V	三相 Three-phase 380V
电流 Current	0.25-25	0.4-50	0.6-30	1.0-45	1.2-50
输出功率 (kw) Output Power kw	5.2	11	20	30	40
输出振荡频率 (kHz) Output Oscillation Frequency kHz	1000-1200	1000-1700	50-250	50-200	50-200
暂载率 Duty Cycle	100%	100%	100%	100%	100%
冷却水温 Cooling Water Temperature	< 35℃	< 35℃	< 35℃	< 35℃	< 35℃
冷却水压 Cooling Water Pressure	> 1.1MPa	> 0.5MPa	0.2MPa, 6l/Min	0.2MPa, 6l/Min	0.2MPa, 6l/Min
感应圈管 Induction Coil Tube	外径 OD 2.0mm 内径 ID 1.4mm	外径 OD 2.0mm 内径 ID 1.4mm	可根据工件大小和形状进行定制生产 Customized production according to workpiece size and shape		
外形尺寸 (长×宽×高) Dimension (L×W×H)	280×288×145 120×60×105	375×355×180 120×60×105	需按照工件大小和形状定制生产 Customize production according to workpiece size and shape		

## 适用范围 APPLICATION RANGE

### 焊接材料

红铜和黄铜焊接、钨钢不锈钢焊接、铁铜焊接、铜铝焊接等

### WELDING MATERIAL

Pure copper, brass, tungsten steel, stainless steel, iron and copper, copper and aluminum

### 电子行业

电机转子热装配、刀柄热配合、电极银焊锡焊、振子焊接、连接器焊接等

### THE ELECTRONICS INDUSTRY

Thermal assembly of motor rotor, heat of tool handle, electrode silver soldering, vibrator welding, connector welding, etc

### 日用品行业

眼镜饰品、珠宝首饰、钟表焊接、渔具钓具、小五金产品等的焊接

### DAILY NECESSITIES INDUSTRY

The welding of eyeglasses accessories, jewelry, watch, fishing tackle, hardware products and other products

### 娱乐产品

管乐配件焊接、高尔夫球头焊接等

### ENTERTAINMENT PRODUCTS

Welding for band fittings, golf ball heads and etc

### 刀具行业

硬质合金锯片锯齿焊接、刀具焊接、硬质合金刀具产品的热处理

### THE CUTTING TOOL INDUSTRY

Heat treatment of hard alloy, saw blade, saw tooth, carbide knives and other cutting tools

### 金属埋植

灯泡打电极等

### METAL HEELING-IN

Light bulb and so on

## 配套设备

### COROLLARY EQUIPMENT

#### 冷水机

#### WATER CHILLER

适用范围:用于普通型高、中频感应加热设备内部变压器、感应圈等电子元件的冷却,保证加热设备的正常运行。

Applicable range: it is used for the cooling of electronic components of transformer and induction coil of high or intermediate frequency induction, to ensure the normal operation of heating equipment.



## 功能特点 FUNCTIONAL FEATURES

系统设有高低压保护、压缩机过热保护、电流过载保护、三相电源缺相及相序保护、防漏电接地保护、温度设定调节及多功能显示、水箱低水位报警、流量欠流及水温过高报警、制冷系统干燥过滤、循环水过滤等综合保护装置,确保机组运行安全、可靠;安装方便、操作简单。

System is equipped with high and low voltage protection, compressor overheating protection, current overload protection, the deficiency and sequence protection of three-phase power supply, leakage proof grounding protection, temperature setting adjustment and multi-function display, underwater tank level alarm, underwater flow alarm and high temperature alarm, dry filter of cooling system, filtering device of circulating water cooling system and other comprehensive protection to ensure the unit to operate safely reliable operation and install conveniently.

型号 Model	SCA-02	SCA-03	SCA-05	SCA-08
额定制冷量 (W) Rated Refrigerating W	5000	8000	13000	22000
额定流量 Rated Flow	2m <sup>3</sup> /H	2m <sup>3</sup> /H	4m <sup>3</sup> /H	4m <sup>3</sup> /H
额定扬程 M 水柱 Rated Head M Water Column	21	21	21	35
水箱容积 (L) Water Tank Volume	35	55	80	150
水箱控制范围 Tank Control Range	7~30℃	7~30℃	7~30℃	7~30℃
内机尺寸 Internal Machine Size	65x40x101	98x56x135	98x56x135	130x68x153
输入功率(kVA) Input Power kVA	2.1	3.1	4.6	7.4



## 冷却塔 THE COOLING TOWER

适用范围:将冷却感应设备和淬火后的热水传输至冷却塔进行冷却,待热水冷却后再进行循环使用。

Applicable range: the hot water after quenching is transferred to the cooling tower, after cooling, the water will be recycled.



耐高温 控制灵活 静音高效 耐腐蚀

## 功能特点 FUNCTIONAL FEATURES

### 耐高温 HIGH TEMPERATURE RESISTANT

散热胶片采用聚乙烯和聚丙烯材料制成,耐热温度高

The heat dissipation film is made from polyethylene and polypropylene, its heat resistant is high

### 静音高效 EFFICIENT MUTE

风扇采用张形大风叶,风机运转更加平稳,噪音小,冷却效果好

The fan adopts the open wind blade, it runs more smoothly, the noise is lower, the cooling effect is good

### 空气阻力小 LOW AIR RESISTANCE

散热胶片采用曲线斜纹结构,有效延长水循环与冷却风在塔内的接触及热交换,使塔体内气流更合理,空气阻力更小

The heat dissipation film adopts the curved twill structure, which effectively extends the contact of heat exchange between the water circulation and the cooling air in the tower, making the air flow in the tower more reasonable and the air resistance lower

### 耐腐蚀 CORROSION RESISTANT

塔体外壳采用优质高强度玻璃钢制成,能耐受化学物质的腐蚀

The shell of the tower is made of high quality fiber glass reinforced plastics (FRP), it can resist the corrosion of chemicals

型号 Model	DT60L	DT80L	DT100L	DT150L	DT175L	DT200L	DT250L	DT300L	DT350L	DT400L
流量(m/h) Flow	60	80	100	150	175	200	250	300	350	400
冷却能力(kW) Cooling Capacity	345	464	582	872	1019	1163	1454	1754	2035	2326
进塔水压(kPa) Feeding Water Pressure	45	50	55	57	58	58	56	58	59	60
运行重量(T) Running Weight	1.6	1.7	1.9	3.1	3.4	3.7	4.6	5.7	6.1	6.8
净重(T) Net Weight	0.6	0.7	1.0	1.5	1.7	1.9	2.2	2.9	3.2	3.9
外形尺寸(长x宽x高) Dimensions (LxWxH)	230x230 x260	230x230 x400	230x230 x260	245x245 x400	285x285 x445	300x300 x450	335x233 x465	365x365 x515	400x440 x555	470x470 x570

## 淬火机床 QUENCHING MACHINE TOOL

适用范围:淬火机床与高、中频感应加热设备配合,实现感应淬火工艺,常用于齿轮、轴承、轴类零部件、气门、缸套及各类机械零件的淬火及其它热处理。

Applicable range: The combination of quenching machine tool and high/intermediate frequency induction heating equipment will achieve the process of induction quench, usually used for quenching and other heat treatment of gears, bearings, shaft parts, valve and cylinder liner and different kinds of machinery parts



数字控制 多种淬火方式 过程控制 运行成本低



## 提供的淬火机床 SUPPLIED QUENCHING MACHINE TOOL

· 一体数控淬火机床 · 立式数控淬火机床 · 储水式油压淬火机床 · 立式油压淬火机床 · 立式丝杆淬火机床 · 大型立式数控淬火机床 · 卧式滚筒淬火机床 · 链片淬火机床 · 火轮专用淬火机床

Integrated numerical control quenching machine tool · vertical CNC quenching machine tool · water storage oil pressure quenching machine tool · vertical oil pressure quenching machine · vertical wire rod quenching machine tool · large vertical numerical control quenching machine tool · horizontal roller quenching machine tool · chain plate quenching machine tool · special quenching machine tool for fire wheel

## 功能特点 FUNCTIONAL FEATURES

### 数字控制 DIGITAL CONTROL

采用工业数字控制系统,性能先进,调试使用方便,能最大程度满足复杂工件的淬火需要

The industrial digital control system has advanced performance, convenient debugging and use, which can meet the quenching needs of complex workpiece to the greatest extent

### 过程控制 PROCESS CONTROL

本机床电气控制系统预留淬火加热及冷水控制接口,可根据工艺需求对淬火过程及冷却过程进行控制

The electrical control system of the machine tool has reserved quenching heating and cold water control interfaces, which can control the quenching process and cooling process according to the process requirements

### 直线轴承 LINEAR BEARING

导轨采用直线轴承,精度高,摩擦小,寿命长,配重装置通过链轮、链条平衡重量

### 多种淬火方式 MULTIPLE QUENCHING METHODS

能够实现淬火方式:连续扫描淬火,同时淬火、分段连续扫描淬火(分段靠程序设定,无需行程开关,下同)、分段同时淬火

Multiple Quenching method: continuous scanning quenching, simultaneously quenching and piecewise continuous scanning quenching (by program setting, without the need of travel switch, same as below), subsection and quenching simultaneously by stages

### 运行成本低 LOW OPERATING COST

工件运转驱动电机功率小,型材结构机身,重量轻,经济实用,维护方便,故障率低,自动化程度高,生产效率高

It has the advantages of low-powered motor, profile structure, light weight, convenient maintenance, low failure rate, high degree of automation and high production efficiency



## 自动化专机

AUTOMATION PROFESSIONAL MACHINE (CUSTOMER CUSTOMIZATION)

### 过滤器高频焊接机

HIGH FREQUENCY FILTER WELDING MACHINE



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

感应加热系统、伺服驱动系统、充氮保护系统、冷却系统、电气控制系统一体化设计

Integrated design of induction heating system, servo drive system, nitrogenous filling protection system, cooling system and electrical control system

### 伺服电机控制 SERVO MOTOR CONTROL

采用伺服电机控制转盘转动，转速可调，对工件有准确装置，以保证尺寸准确

Adapt servo motor to control the rotation of rotary table, making the speed adjustable and workpieces accurately-measured

### 自动报警 AUTOMATIC ALARM

控制系统有报警装置，设备出现故障时能及时报警，并在设备上自动显示及存储错误信息，且报警信息可查询

The control system has alarm device. When the equipment fails, it can alarm in time. It will automatically display and store error information which can be available at any time

### 精确控制 ACCURATE CONTROL

实现分段加热（基本型是5段控制），每段加热时间可以精确到0.1秒

Multistage heating setting (The basic mode is 5-stage). Each period of heating time can be accurate to 0.1 second

### 氮气保护 NITROGEN PROTECTION

定位工装内均有氮气保护装置，并可通过流量调节开关调整氮气流量的大小

Nitrogen protective devices are installed in the positioning equipment, the flow rate of nitrogen can be adjusted by the flow regulation switch

### 冷却装置 COOLING DEVICE

焊接加热完成后间隔一段时间对工件采用冷却水喷淋冷却工件，顶置出水及进水接口，配有冷水机进行冷却

After the welding is completed some time, the workpiece shall be cooled by cooling water spray, it equipped water inlet and outlet connected with water chiller

### 铜管高频退火专机

HIGH FREQUENCY COPPER TUBE ANNEALING MACHINE

设备由感应加热主机、冷却系统、电控系统、工作台、水箱以及升降式工件固定机构组成，加热主机为一拖二结构，一个工作，一个取放工件。

Composed by induction heating mainframe, cooling system, electric control system, workbench, tank, and fixed device for lifting working piece, heating mainframe can drive two machines, one is for work and the other is for putting or picking the workpieces.



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

加热主机、冷却系统、控制系统、升降喷淋机构等一体化设计，工作台为不锈钢

Integrated design of heating mainframe, cooling system, control system and lifting spray device, the workbench is stainless steel

### 精确加热 ACCURATE HEATING

控制设定加热时间范围0-99分钟，最小调节时间为0.1秒

Control setting heating time ranges from 0 to 99 minutes, the minimum adjustment time of 0.1 seconds

### 智能冷却 INTELLIGENT COOLING

水冷系统采用智能冷却机组，封闭式自循环冷却供水

The water cooling system adopts the intelligent cooling unit and the enclosed self-circulation cooling water supply

### 控制灵活 FLEXIBLE CONTROL

根据工件的不同外径和长度更换调整治具及加热工艺，设定加热时间、功率、喷淋时间等参数，控制方式分手动和自动

According to the different external diameter and length of the workpiece, adjust the fixture and heating process, set the parameters such as heating time, power, spraying time and so on. Control mode has manual and automatic

### 保护装置 PROTECTION DEVICE

具有过压、过流、过热、缺水等保护功能，功率大小无级可调

It has the protection function of overpressure, overcurrent, overheat, underwater and so on. The power can be adjusted steplessly.

### 性能稳定 STABLE PERFORMANCE

百分之百负载持续设计，可连续24小时工作

100% load sustained design can work 24 hours in a row



## 双工位分配器焊接设备 | 制冷暖通行业分配器焊接专机

DOUBLE STATION DISTRIBUTOR WELDING MACHINE  
DISTRIBUTOR WELDING MACHINE FOR REFRIGERATION AND HVAC INDUSTRY

我公司自主研发并生产的双工位分配器高频焊接机，自带水冷、风冷、氮气保护，三轴位置、方向可调，为企业更好的节省了人工成本，焊接时间，相比较以往的传统焊接更加的完美、高效。

The double station distributor high frequency welding machine is developed and produced by our company. It equipped with water-cooled system, air-cooled system, nitrogen protection, three axis location and adjustable direction, saving labor cost and welding time for many enterprises, much more efficient than the previous traditional welding machine.



### 功能特点 FUNCTIONAL FEATURES

#### 合格率高 HIGH QUALIFICATION RATE

杜绝焊堵隐患，提升产品一次钎焊合格率，并改善焊缝外观  
Put an end to the hidden danger of welding blockage, improve the qualification rate of the first brazing, improve the appearance of the welding

#### 降低成本 COST REDUCTION

因将焊料由焊条调整为焊环，并实现焊料使用的落地返冲，降低焊料成本，投产后短期可回收投入成本

As it replace welding rod with welding ring and make landing back of the solder, it greatly reduce solder cost and the input cost can be recovered in a short time

#### 工艺参数操作方便 CONVENIENT OPERATION

采用中文触屏，可调整生产过程的所有工艺参数，具备存储并提取实际输出的工艺参数，并同时对工艺参数进行监控

Adapt touch screen, all process parameters during the production can be adjusted. It has the function of storing and extracting the actual process parameters. Meanwhile it can also monitor the process parameters

#### 高效快捷 HIGH EFFICIENCY

高频钎焊较手工焊提效30%以上  
Compared with manual welding machine, the efficiency of high frequency brazing has been improved more than 30%

#### 氮气保护 NITROGEN PROTECTION

双工位均有进行氮气保护，两工位氮气流量单独可调，并可通过流量调节开关调整氮气流量大小

Two stations both have nitrogen protection, the nitrogen flow of the two stations can be adjusted independently by the flow regulation switch

#### 自动报警 AUTOMATIC ALARM

控制系统有报警装置，设备出现故障时及时进行报警，设备上自动显示及存储错误信息，且报警信息可查询

The control system has alarm device. When the equipment fails, it can alarm in time. It will automatically display and store error information which can be available at any time

## 汽车油管高频气体保护焊接专机

HIGH FREQUENCY GGAS-SHIELDED WELDING MACHINE FOR AUTOMOBILE OIL PIPE



### 功能特点 FUNCTIONAL FEATURES

#### PLC控制 PLC CONTROL

采用PLC对焊接加热电流、加热时间、充氮时间等焊接参数进行定量控制及存储，设备有手动加热和自动加热两种模式

Adapt PLC to control and store welding parameters, such as heating current, heating time and nitrogen filling time, the equipment has two modes: manual heating and automatic heating

#### 自动报警 AUTOMATIC ALARM

具有报警装置，出现故障时可及时报警，并在设备上自动显示及存储错误信息，且报警信息可查询

The control system has alarm device. When the equipment fails, it can alarm in time. It will automatically display and store error information which can be available at any time

#### 红外测温 INFRARED TEMPERATURE MEASUREMENT

带有红外测温系统，当加热温度超过上限温度时会停止加热  
Adapt this system to monitor heating temperature, it will stop heating when the temperature exceed the upper limit

#### 参数设置方便 CONVENIENT PARAMETER SETTING

采用中文触摸屏，可调整生产过程中的所有工艺参数，并同时对工艺参数进行监控，且工艺参数调整有密码管理模式

The touch screen can be used to adjust all the process parameters during the production process, meanwhile, it can monitor the process parameters which are adjusted by password management mode

#### 氮气保护 NITROGEN PROTECTION

在焊接部位有保护罩，保证氮气保护焊接工件不过热和加热表面不氧化，并根据程序自动开合，且氮气流量可调

There is a protective cover over the welding part to let the nitrogen protect workpiece from overheating and oxidation. It can automatically open or close according to the program. The flow rate of the nitrogen is adjustable

#### 简单耐用 SIMPLE & DURABLE

加工工装简单耐用，换型容易  
The tooling is simple and durable, easy to change



## 自动化多工位热装配专用设备

AUTOMATIC MULTI-STATION HOT ASSEMBLY EQUIPMENT

适用工艺:电机定子、转子热装配、轴承热装配等。  
Applicable process: hot assembly for motor stator and rotor, bearing assembly etc.



一体化设计 控制灵活 机器人安装位



精确控制 接口丰富 模块化设计



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

在同台设备上完成:上料、加热、装配、冷却、取料的全套流程  
Complete the whole process of feeding, heating, assembling, cooling and taking materials by the same equipment

### 无人化生产 UNMANNED PRODUCTION

预留工业机器人安装位,可实现无人化或少人化生产,使用上位机(PC)软件可实现工控机远程在线监控

The industrial robot installation position can be reserved to realize unmanned or less humanized production. Using the upper computer (PC) software can realize remote online monitoring of the machine

### 接口丰富 MULTIPLE INTERFACES

可接入各种监控仪表数据,并可直接并入RS-485、Profibus、CAN等工业总线中

Access to various monitoring instrument data like RS-485、Profibus、CAN and so on

### 数据故障分析 DATA FAILURE ANALYSIS

使用状态查询软件,实现数据分析,故障判断功能  
Use status query software to realize data analysis and fault diagnosis function

### PLC精确控制 PRECISE PLC CONTROL

实现多段位加热,实现多种运行参数显示,并支持“一键修改”全部加工工艺参数,使用CF卡直接记录设备运行参数

Multi-stage heating, multiple operation parameters display, "one key modification" for all processing parameters, CF card to record equipment operation parameters directly

### 模块化设计 MODULAR DESIGN

机械部分采用和模块标准化设计,只需要更换工装、夹具,即可完成不同产品的热装配

The mechanical partly adopts modular standardization design, hot assembly for different products can be completed only by changing the tooling and fixtures

## 多工位自动化钎焊设备

MULTI-STATION AUTOMATION BRAZING EQUIPMENT

适用工艺:空调制冷阀件、空调管路件、高档洁具、灯具配件、五金工具等钎焊工艺。  
Applicable process: air conditioning refrigeration valve, air conditioning pipeline parts, high-grade sanitary ware, lamps fittings, hardware tools and other brazing process.



一体化设计 控制灵活 机器人安装位



精确控制 接口丰富 模块化设计



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

在同台设备上完成:上料、焊接、冷却、取料的全套流程  
Complete the whole process of feeding, welding, cooling and taking material by the same equipment

### 无人化生产 UNMANNED PRODUCTION

预留工业机器人安装位,可实现无人化或少人化生产,使用上位机(PC)软件可实现工控机远程在线监控

The industrial robot installation position can be reserved to realize unmanned or less humanized production. Using the upper computer (PC) software can realize remote online monitoring of the machine.

### 接口丰富 PLENTIFUL INTERFACES

可接入各种监控仪表数据,并可直接并入RS-485、Profibus、CAN等工业总线中

Access to various monitoring instrument data like RS-485、Profibus、CAN and so on

### 数据故障分析 DATA FAILURE ANALYSIS

使用状态查询软件,实现数据分析,故障判断功能  
Use status query software to realize data analysis and fault diagnosis function

### PLC精确控制 PRECISE PLC CONTROL

实现多段位加热,实现多种运行参数显示,并支持“一键修改”全部加工工艺参数,使用CF卡直接记录设备运行参数

Multi-stage heating, multiple operation parameters display, "one key modification" for all processing parameters, CF card to record equipment operation parameters directly

### 模块化设计 MODULAR DESIGN

机械部分采用和模块标准化设计,只需要更换工装、夹具,即可完成不同产品的装配

The mechanical partly adopts modular standardization design, hot assembly for different products can be completed only by changing the tooling and fixtures



## 在线式自动化焊接设备

ONLINE AUTOMATIC WELDING EQUIPMENT

适用工艺: 空调制冷阀件、空调管路件、太阳能配件、冰箱冰柜管路件、单向阀、导阀、分液头部件、五金工具、灯具配件等钎焊工艺。  
Applicable process: air conditioning refrigeration valve, air conditioning pipeline parts, solar energy accessories, refrigerator freezer pipeline fittings, non-return valve, guide valve, splitting head parts, hardware tools, lamp fittings and other brazing technology.



一体化设计 链条传输



调节灵活 加热时间精确



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

在同台设备上完成: 上料、焊接、冷却、取料的全套流程  
Complete the whole process of feeding, welding, cooling and taking material by the same equipment

### 调节灵活 FLEXIBLE ADJUSTMENT

输出功率调节灵活方便, 控制准确, 适合各类不同工件的工艺要求  
Flexible output power adjustment, precise control, suitable for process requirements of different workpieces

### 链条式传输 CHAIN TRANSMISSION

机械采用链条式传输, 伺服控制, 可根据工艺要求调节传输速度  
The machine adopts chain transmission and servo control. It can adjust the transmission speed according to the process requirements

### 精确控制 PRECISE CONTROL

严控感应钎焊时间, 使焊料充分融化渗透, 又不会由于加热时间过长造成焊料流出阻塞工件; 焊接表面无气孔, 焊接饱满  
Strict time controlling makes the solder fully melted and permeated, it also can ensure the workpiece not to be blocked due to excessive heating time, in this way, the welding surface is free of air holes

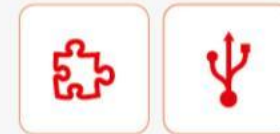
## 电动机定子、转子自动化热装专机

AUTOMATIC HOT PROFESSIONAL ASSEMBLY MACHINE FOR MOTOR STATOR/ROTOR

适用工艺: 电动机定子、转子热装配等  
Applicable process: thermal assembly for motor stator and rotor, etc.



一体化设计 多段加热 机器人安装位



模块化设计 接口丰富



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

在同台设备上完成: 上料、加热、装配、冷却、取料的全套工艺流程  
Complete the whole process of feeding, welding, cooling and taking material by the same equipment

### 多段位加热 MULTISTAGE HEATING

采用高精度数字式感应加热设备, 实现多段位加热, 精准的温度控制方式, 实现定子外壳(转子绕组)温度的均匀性, 达到最理想的膨胀效果, 提高了装配工艺的稳定性

Adapting high precision digital induction heating equipment can realize multistage heating, using temperature control mode can realize the high consistency of the stator shell (rotor winding), then making the workpieces achieve the ideal expansion effect, greatly improved the stability of assembly process

### 模块化设计 MODULAR DESIGN

机械部分采用模块化、标准化设计, 定位精准。压装动力采用高精度伺服电缸, 实现精准压装

The mechanical partly adopts modular standardization design. The pressing mounting power adopts servo cylinder to achieve the precise pressure mounting

### 多种参数显示 MULTIPLE PARAMETERS DISPLAY

实现多种运行参数显示, 可存储10组以上工艺参数  
Multiple operation parameters display, storing more than 10 sets of process parameters

### 无人化生产 UNMANNED PRODUCTION

只需要更换工装、夹具, 即可完成不同产品的装配; 预留工业机器人安装位, 可实现无人化或少人化生产

The industrial robot installation position can be reserved to realize unmanned or less humanized production. Using the upper computer (PC) software can realize remote online monitoring of the machine

### 接口丰富 PLENTIFUL INTERFACES

可接入各种监控仪表数据, 可接入RS-485、Profibus、CAN等工业总线中

Access to various monitoring instrument data like RS-485, Profibus, CAN and so on



## 多工位模具加热专机

MULTI-STATION MOULD HEATING MACHINE

适用工艺：玻璃模具及其他模具的焊前预热等。

Applicable process: preheating of glass mould and other moulds before welding.



一体化设计 机器人安装位 模块化设计



精确控制 接口丰富



## 自动淬火专机

AUTOMATIC QUENCHING MACHINE

适用工艺：汽、摩配件、五金、电动工具、液压元件的高频淬火处理。

Applicable process: high frequency quenching treatment of parts of automobile and motorcycle, hardware, power tools and hydraulic components.



一体化设计 多段加热 性能稳定



参数设置方便 接口丰富



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

在同台设备上完成：上料、加热、保温、取料的全套流程

Complete the whole process of feeding, welding, cooling and taking material by the same equipment

### 模块化设计 MODULAR DESIGN

机械部分采用和模块化标准化设计，只需要更换工装、线圈，即可完成不同产品的加热

The mechanical partly adopts modular standardization design, the heating for different products can be completed only by changing the tooling and coil

### 实时保温 REAL-TIME HEAT PRESERVATION

采用温度闭环控制方式，实现模具温度的一致性及时保温

Adopt the closed loop control of temperature mode to achieve the consistency of mould temperature and real-time heat preservation

### 无人化生产 UNMANNED PRODUCTION

预留工业机器人安装位，可实现无人化或少人化生产

The industrial robot installation position can be reserved to realize unmanned or less humanized production

### 精确控制 PRECISE PLC CONTROL

PLC进行精确控制，实现多段位加热，实现多种运行参数显示，可存储10组工艺参数

The precise PLC control can achieve multistage heating and multiple operation parameters display, it can store 10 sets of process parameters

### 接口丰富 PLENTIFUL INTERFACES

可接入各种监控仪表数据，可接入RS-485、Profibus、CAN等工业总线中

Access to various monitoring instrument data like RS-485、Profibus、CAN and so on

## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

加热主机、冷却系统、控制系统、喷淋机构等一体化设计

Heating mainframe, cooling system, control system, spraying mechanism and other integrated design

### 多段位加热 MULTISTAGE HEATING

PLC进行精确控制，实现多段位加热

The PLC control is very precise and realizes multi-stage heating

### 参数设置方便 CONVENIENT PARAMETER SETTING

根据工件的不同更换调整治具及加热工艺，设定加热时间、功率大小、喷淋时间等程序，控制方式分为手动和自动两种

According to the different workpieces, change the tools and heating process, including heating time, power size, spraying time and other procedures. There is two control modes, manual and automatic

### 多种参数显示 MULTIPLE PARAMETER DISPLAY

实现多种运行参数显示，可存储10组工艺参数

Multiple operation parameters display, storing 10 sets of process parameters

### 性能稳定 STABLE PERFORMANCE

百分之百负载持续设计，可连续24小时工作

100% load sustained design can work 24 hours in a row

### 接口丰富 PLENTIFUL INTERFACES

可接入各种监控仪表数据，可接入RS-485、Profibus、CAN等工业总线中

Access to various monitoring instrument data like RS-485、Profibus、CAN and so on



## 换热器接头自动钎焊机

AUTOMATIC BRAZING MACHINE FOR HEAT EXCHANGER JOINTS



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

感应加热系统、伺服驱动系统、冷却系统等一体化设计  
Integrated design of induction heating system, servo drive system, cooling system, etc

### PLC精准控制 PLC PRECISE CONTROL

可实现多位置,多参数自由设置,并支持“一键修改”实时显示当前工作状态和参数信息  
It can realize free setting for multi-position and multi-parameter, and support "one-key modification" to display current working status and parameter information

### 模块化设计 MODULAR DESIGN

机械部分采用模块化设计,根据客户需求可自由组装,方便不同型号产品的换型  
The mechanical part adopts a modular design, which can be assembled freely according to customer needs, convenient for the replacement of different models

### 接口丰富 PLENTIFUL INTERFACE

采用标准通讯接口模块,方便接入各种工业通讯总线,实时调取设备运行参数,实时修改设备运行参数  
Standard communication interface module is used to facilitate access to various industrial communication buses, real-time access to equipment operating parameters, and real-time modification of equipment operating parameters

## 铝管接头自动钎焊机

AUTOMATIC BRAZING MACHINE FOR ALUMINUM TUBE JOINT



## 功能特点 FUNCTIONAL FEATURES

### 一体化设计 INTEGRATED DESIGN

感应加热系统、伺服驱动系统、冷却系统等一体化设计  
Integrated design of induction heating system, servo drive system, cooling system, etc

### PLC精准控制 PLC PRECISE CONTROL

可实现多位置,多参数自由设置,并支持“一键修改”实时显示当前工作状态和参数信息  
It can realize free setting for multi-position and multi-parameter, and support "one-key modification" to display current working status and parameter information

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Standard communication interface module is used to facilitate access to various industrial communication buses, real-time access to equipment operating parameters, and real-time modification of equipment operating parameters



## 双工位仪表自动钎焊设备

DOUBLE STATION INSTRUMENT AUTOMATIC BRAZING EQUIPMENT



### 功能特点 FUNCTIONAL FEATURES

#### 一体化设计 INTEGRATED DESIGN

感应加热系统、伺服驱动系统、冷却系统等一体化设计  
Integrated design of induction heating system, servo drive system, cooling system, etc

#### 生产效率高 HIGH PRODUCTIVITY

采用一套感应加热设备，分别进行左、右两个工位产品的焊接，节省装配时间

Adopt a set of induction heating equipment to weld from two direction of work station separately, saving assembly time

#### 接口丰富 PLENTIFUL INTERFACE

采用标准通讯接口模块，方便接入各种工业通讯总线，实时调取设备运行参数，实时修改设备运行参数

Standard communication interface module is used to facilitate access to various industrial communication buses, real-time access to equipment operating parameters, and real-time modification of equipment operating parameters

#### 模块化设计 MODULAR DESIGN

机械部分采用模块化设计，根据客户需求可自由组装，方便不同型号产品的换型

The mechanical part adopts a modular design, which can be assembled freely according to customer needs, convenient for the replacement of different models

#### PLC精准控制 PLC PRECISE CONTROL

可实现多位置，多参数自由设置，并支持“一键修改”实时显示当前工作状态和参数信息

It can realize free setting of multi-position and multi-parameters, and support "one-key modification" to display current working status and parameter information

## 多工位自行车辅件感应钎焊设备

MULTI-STATION INDUCTION BRAZING EQUIPMENT FOR BICYCLE ACCESSORIES



### 功能特点 FUNCTIONAL FEATURES

#### 一体化设计 INTEGRATED DESIGN

感应加热系统、温度控制系统、冷却系统、伺服驱动系统等一体化设计，结构紧凑

Integrated design of induction heating system, temperature control system, cooling system, servo drive system, etc

#### 模块化设计 MODULAR DESIGN

机械部分采用模块化设计，根据客户需求可自由组装，方便不同型号产品的换型，可实现X、Y、Z三轴自由调节

The mechanical part adopts a modular design, which can be freely assembled according to customer needs, convenient for the replacement of different models. It can also help to realize the free adjustment of the three axes of X, Y, and Z

#### 接口丰富 PLENTIFUL INTERFACE

采用标准通讯接口模块，方便接入各种工业通讯总线，实时调取设备运行参数，实时修改设备运行参数

Standard communication interface module is used to facilitate access to various industrial communication buses, real-time access to equipment operating parameters, and real-time modification of equipment operating parameters

#### 合格率高 HIGH PASS RATE

设备集成我公司研发的感应钎焊的温度控制系统，可实现焊接温度的精准控制，提高产品合格率

The device integrates a self-developed temperature control system to achieve precise control in different temperature sections, highly improved product pass rate

#### PLC精准控制 PLC PRECISE CONTROL

可实现多种参数自由设置，并支持“一键修改”实时显示当前工作状态和参数信息

It can realize free setting of multi-position and multi-parameters, and support "one-key modification" to display current working status and parameter information



## 一拖二感应钎焊设备

ONE DRIVE TWO INDUCTION BRAZING EQUIPMENT



一体化设计 性价比高 模块化设计

精确控制 接口丰富



### 功能特点 FUNCTIONAL FEATURES

#### 一体化设计 INTEGRATED DESIGN

感应加热系统、冷却系统、伺服驱动系统等一体化设计，结构紧凑  
Integrated design of induction heating system, cooling system, servo drive system, etc

#### 模块化设计 MODULAR DESIGN

机械部分采用模块化设计，根据客户需求可自由组装，方便不同型号产品的换型

The mechanical part adopts a modular design, which can be assembled freely according to customer needs, convenient for the replacement of different models

#### 接口丰富 PLENTIFUL INTERFACE

采用标准通讯接口模块，方便接入各种工业通讯总线，实时调取设备运行参数，实时修改设备运行参数

Standard communication interface module is used to facilitate access to various industrial communication buses, real-time access to equipment operating parameters, and real-time modification of equipment operating parameters

#### 性价比高 HIGH COST PERFORMANCE

设备集成一拖二式感应加热设备，左、右工作位可分别进行产品加工  
The equipment integrates one-drive-two induction heating equipment, and the left and right working positions can be processed separately

#### PLC精准控制 PLC PRECISE CONTROL

可实现左、右多种参数自由设置，并支持“一键修改”实时显示当前工作状态和参数信息

It can set various parameters freely, and support "one-key modification" to display the current working status and parameter information in real time

## 中频高分子扩散焊机

IF POLYMER DIFFUSION WELDER



一体化设计 温度控制 加热速度快

精确控制 接口丰富



### 功能特点 FUNCTIONAL FEATURES

#### 一体化设计 INTEGRATED DESIGN

感应加热系统、温度控制系统、液压系统等一体化设计，结构紧凑  
Integrated design of induction heating system, temperature control system, hydraulic system, etc

#### 加热速度快 FAST HEATING SPEED

上、下模具采用两套感应加热系统，可同时加热，缩短加热时间  
The upper and lower molds use two sets of induction heating systems, which can be heated at the same time to shorten the heating time

#### 接口丰富 PLENTIFUL INTERFACE

采用标准通讯接口模块，方便接入各种工业通讯总线，实时调取设备运行参数，实时修改设备运行参数

Standard communication interface module is used to facilitate access to various industrial communication buses, real-time access to equipment operating parameters, and real-time modification of equipment operating parameters

#### 温度控制 TEMPERATURE CONTROL

上、下模具采用两套温度控制系统，可实现上、下模具的精准温度控制  
The upper and lower molds use two sets of temperature control systems to achieve accurate temperature control for the upper and lower molds

#### PLC精准控制 PLC PRECISE CONTROL

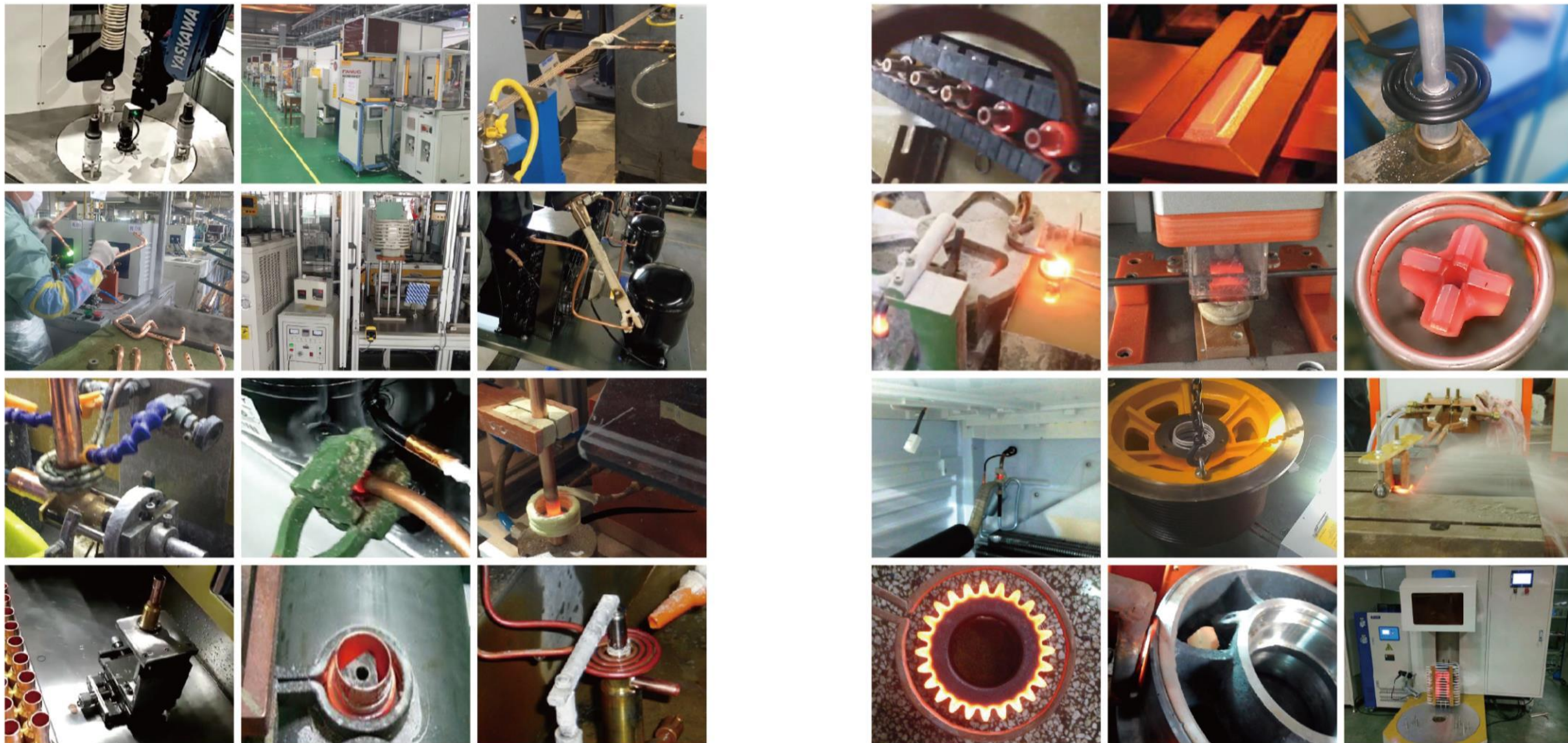
可实现多种参数自由设置，并支持“一键修改”实时显示当前工作状态和参数信息

It can realize free setting of multi-position and multi-parameters, and support "one-key modification" to display current working status and parameter information



# APPLICATION CASE

## 应用案例





## GOOD SERVICE 优质服务



### 感应加热应用工艺指导

为客户提供全面的售前支持,如阻抗匹配分析、感应器仿真设计、加热模型仿真设计等。

INDUCTION HEATING APPLICATION PROCESS GUIDANCE  
Provide comprehensive pre-sale support for customers, such as impedance matching analysis, sensor simulation design, heating model simulation design, etc.



### 感应加热专用设备设计

为客户提供全套感应加热专用设备设计服务。

SPECIAL EQUIPMENT DESIGN FOR INDUCTION HEATING  
Provide design service of a complete set of induction heating special equipment.



### 控制软件定制服务

为客户提供不同感应加热应用类型的专用控制软件、界面软件及操作软件。

CUSTOMIZATION SERVICES FOR CONTROL SOFTWARE  
Provide customer with special control software, interface software and operating software for different types of induction heating applications.



### 嵌入式系统设计服务

承接基于感应加热技术的嵌入式系统设计服务,按客户要求设计不同功率、频率的数字感应加热设备,并对设计、制造、售前、售后等环节提供全面的技术支持。

EMBEDDED SYSTEM DESIGN SERVICES  
Undertake the design service of embedded system based on induction heating technology according to different power and frequency, provide a comprehensive technical support of design, production, pre-sale and after sale.



### 自动化设计服务

为客户提供自动化设计服务,可提供全套自动化解决方案。

AUTOMATED DESIGN SERVICES  
Provide customers with automation design service and a complete automation solution.

## PARTNERS 合作伙伴

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 DAIKIN 大金空调	 Panasonic 无锡松下冷机	 通鼎集团	 通光集团 TG GROUP
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