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青島匹恩工業科技有限公司

Qingdao PIEN
Industrial Technology Co., Ltd.



青島匹恩工業科技有限公司
Qingdao PIEN Industrial Technology Co., Ltd.

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光速電磁感應加熱器 | 專為工廠快速加熱而生
Light speed electromagnetic induction heater | specially designed for rapid heating in factories

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为员工创造幸福

Creating happiness for employees

为客户创造效益

Creating benefits for customers

为社会创造价值

Creating value for society



PIEN

青岛匹恩工业科技有限公司是国内早期研发轴承加热器的企业之一，是一家专业从事电磁感应加热设备研发、生产、销售、安装及应用于一体的新型技术公司。近年来主要专注于轴承加热器、齿轮齿圈加热器、中频柔性感应加热器、高频感应加热器等设备的研发生产，产品因其加热速度优于其他品牌，被业内誉为“光速”电磁感应加热器。

公司现有博士科研工作站，生产设备先进、技术过硬、管理完善，先后通过 ISO9001:2015 质量管理体系认证、欧盟 ERP 节能认证、CE 认证，AAA 级企业信用等级证书、绝缘耐腐温度精度第三方检测报告等多项认证，且拥有多项自主专利。二十多年来广泛应用于机械、汽车、铁路、造船、风电等行业，并且其退磁、温控、精度等技术在同行业中一直处于前沿地位。青岛匹恩同时集聚和造就了一批技术精湛、有丰富实践经验的工程技术人员和经营管理人才，最终将我们的客户带来更高的效益，并使我们的环境更具可持续发展性。

日新月异，千帆竞发，置身新时代，面对新环境，匹恩始终秉持为员工创造幸福、为客户创造效益、为社会创造价值。加大科技创新力度，跟踪前沿科技，开发客户需求，积极适应市场变化，与客户共进共赢。坚持创新与品质并重，专心、专注、专业，为中国的电磁感应加热行业的发展贡献力量！

——本书在法律允许范围内最终解释权归本公司所有

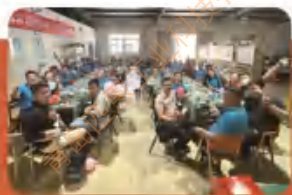
Qingdao PIEN Industrial Technology Co., Ltd. we are one of the early domestic enterprises that developed bearing heaters. We are a new technology company specializing in the research and development, production, sales, installation, and application of electromagnetic induction heating equipment. In recent years, we have mainly focused on the research and development and production of bearing heaters, gear ring heaters, medium frequency flexible induction heaters, high-frequency induction heaters, and other equipment. Our products are known as "speed of light" electromagnetic induction heaters in the industry due to their superior heating speed compared to other brands.

The company currently has a doctoral research workstation with advanced production equipment, excellent technology, and complete management. It has passed multiple certifications, including ISO9001:2015 quality management system certification, EU ERP energy-saving certification, CE certification, AAA enterprise credit rating certificate, third-party testing report for insulation and corrosion resistance temperature accuracy, and has multiple independent patents. For over 20 years, it has been widely used in industries such as machinery, automobiles, railways, shipbuilding, and wind power, and its demagnetization, temperature control, accuracy, and other technologies have always been at the forefront of the industry. Qingdao PIEN has gathered and cultivated a group of highly skilled and experienced engineering and management personnel, ultimately bringing higher benefits to our customers and making our environment more sustainable.

With rapid progress, thousands of sails are racing forward. In the new era and facing new environments, PIEN always upholds the principle of creating happiness for employees, creating benefits for customers, and creating value for society. Increase technological innovation efforts, track cutting-edge technology, develop customer needs, actively adapt to market changes, and work together with customers for mutual benefit. Adhere to the principle of balancing innovation and quality, focus, professionalism, and dedication, and contribute to the development of China's electromagnetic induction heating industry!

——The final interpretation rights of this book belong to our company within the scope permitted by law

员工幸福
+
EMPLOYEE
HAPPINESS



客户幸福
+
CUSTOMER
HAPPINESS



品牌品质 实力认证

产品通过 ISO9001、ERP、CE、退磁等多项认证
权威机构认证专利 正品购入更放心

The product has passed multiple certifications such as ISO9001, ERP, CE, demagnetization, etc
Authentic Patents Certified by Authoritative Institutions for Purchasing with More Confidence



匹恩商标
PIEN TRADEMARK



PIEN 商标
PIEN TRADEMARK



ISO9001 质量管理体系认证证书
(中文)
QUALITY MANAGEMENT SYSTEM CERTIFICATE



ISO9001 质量管理体系认证证书
(英文)



电机转子加热专利
MOTOR ROTOR HEATING PATENT



加热隧道炉专利
PATENT FOR HEATING
TUNNEL FURNACE



外观专利
APPEARANCE PATENT



欧盟电器和电子设备电力消耗检测认证
EU ELECTRICITY CONSUMPTION
TESTING CERTIFICATION

行业认证 INDUSTRY CERTIFICATION



欧盟 CE 国际认证
EU CE CERTIFICATION



欧盟 ERP 节能认证
EU ERP ENERGY-SAVING CERTIFICATION



青岛匹恩设备防腐绝缘检测报告
ANTI CORROSION INSULATION
TESTING REPORT



青岛匹恩退磁噪音检测证书
DEMAGNETIZATION NOISE
DETECTION CERTIFICATE



青岛匹恩温度传感器精度检测报告
TEMPERATURE SENSOR
ACCURACY DETECTION



营业执照
BUSINESS LICENSE



环保产品技术认证
ENVIRONMENTAL PRODUCT CERTIFICATION



热处理行业认证理事单位
HEAT TREATMENT DIRECTOR UNIT



+

工频 - 电磁感应加热器

POWER FREQUENCY ELECTROMAGNETIC INDUCTION HEATER

工作原理 Working principle

采用电磁感应原理, 利用金属在交变磁场中产生涡流而使本身发热, 通常用在金属热处理等方面。原理是较厚的金属处于交变磁场中时, 会由于电磁感应现象而产生电流, 而较厚的金属其产生电流后, 电流会在金属内部形成螺旋形的流动路线, 这样由于电流流动而产生的热量就被金属本身吸收了, 会导致金属很快升温。由里及表产生热膨胀, 由此满足过盈装配的需要。

Using the principle of electromagnetic induction, the metal generates eddy currents in an alternating magnetic field to generate heat, which is usually used in metal heat treatment and other fields. The principle is that when thicker metals are exposed to an alternating magnetic field, an electric current is generated due to electromagnetic induction. After thicker metal generates current, the current will form a spiral flow path inside the metal, so that the heat generated by the current flow is absorbed by the metal itself, which will cause the metal to quickly heat up. Thermal expansion is generated from the inside and outside, thus meeting the needs of interference assembly.

主要应用 Main applications

轴承、齿轮、衬套、轴套、直径环、滑轮、收缩环、连接器、机械零件、汽轮机和发电机的转子、定子、阀门、管道法兰、汽车零部件、轮毂、轧钢机、冷却塔等加热安装。

Bearings, gears, bushings, shaft sleeves, diameter rings, pulleys, shrink rings, connectors, mechanical parts, rotors and stators of steam turbines and generators, valves and pipelines. Heating installation of flanges, automotive components, wheels, rolling mills, cooling towers, etc.

适用范围 Applicable scope

钢铁、电机、新能源、风电水利、军工核电、矿山机械、造纸纺织、石油化工、科研实验、配合自动化等加热领域

Heating fields such as steel, electric motors, new energy, wind power and water conservancy, military nuclear power, mining machinery, papermaking and textiles, petrochemicals, scientific research experiments and coordinated automation



设备应用案例 Equipment application cases



齿轮箱行业
Gearbox industry



产品型号 / 名称: 50 千瓦电磁感应加热器
加热需求:
加热工件最小内径 60mm, 最大外径 1000mm, 最大宽度 400mm, 最大工件重量 500KG; 加热工件有轴承和齿轮件
Product model/name: 50 kw electromagnetic induction heater
Heating demand:
The minimum inner diameter of the heated workpiece is 60mm, the maximum outer diameter is 1000mm, and the maximum width is 400mm, and the maximum weight of the workpiece is 500KG. The heated workpiece includes bearings and gear components.



新能源行业
New energy industry



产品型号 / 名称: 80 千瓦电磁感应加热器
加热需求:
最大内径 1760mm, 外径 1850mm, 需要均匀加热安装对工件无损伤
Product model/name: 80 kw electromagnetic induction heater
Heating demand:
The maximum inner diameter is 1760mm, and the outer diameter is 1850mm. It needs to be uniformly heated and installed without damage to the workpiece.



风电行业
Wind power industry



产品型号 / 名称: 120 千瓦电磁感应加热器
加热需求:
内径 (mm) 900+ 外径 (mm) 1800+ 宽度 (mm) 700+ 承重 (kg), 3500 温差 30 度以内
Product model/name: 120 kw electromagnetic induction heater
Heating demand:
Inner diameter (mm) 900+ outer diameter (mm) 1800+ width (mm) 700+ load-bearing capacity (kg) 3500 temperature difference within 30°C Celsius.



交通行业
Transportation industry



产品型号 / 名称: 100 千瓦电磁感应加热器
加热需求:
内径尺寸 365MM, 外径尺寸 2060MM, 宽度尺寸 450MM, 重量 4500KG, 过盈量: 30、40 丝
Product model/name: 100 kw electromagnetic induction heater
Heating demand:
Inner diameter size 365mm, outer diameter size 2060MM, width size 450MM, Weight 4500KG, interference fit 30-40 threads.



PIEN平板加热器

FLAT PLATE HEATER

技术参数

TECHNICAL PARAMETER

型号 MODEL	功率 (W) POWER	电压 (V) VOLTAGE	工作台 (mm) WORKSHEET	温度控制 (°C) TEMPERATURE CONTROL	自重 (kg) TEAMWEIGHT	外形尺寸 (mm) EXTERNAL DIMENSIONS
PIEN-1.8PT	1200W	220	300*400	室温-200°C	5.8	300*400*130

其他型号可定制 Other models can be customized

性能特点

- 1、采用微电脑数字温度显示仪,操作安全简单方便;
- 2、采用陶瓷大功率发热芯,耐用,维修方便快捷;
- 3、采用大面积合金板,加热快,受热均匀,效率高;
- 4、具有恒温功能,适用电子行业恒温加热;
- 5、类型有:控温器整体型与分体型两种,还可按客户要求规格定做。

平板加热器原理为热传导,平板加热后把热量传递给被加热的工件。平板加热器包括漏电保护电源线、加热板、温度设定控制器、电源开关、机箱。温度可通过温度设定控制器设定,并可实现温度保持。

PERFORMANCE CHARACTERISTICS

1. Adopting a microcomputer digital temperature display device, the operation is safe, simple, and convenient;
2. Adopting ceramic high-power heating core, durable, easy and fast maintenance;
3. Using large-area alloy plates, fast heating, uniform heating, and high efficiency;
4. Equipped with constant temperature function, suitable for constant temperature heating in the electronics industry;
5. There are two types of temperature controllers: integral type and split type, and they can also be customized according to customer requirements and specifications.

The principle of a flat plate heater is heat conduction, which transfers heat to the heated workpiece after heating the flat plate. The flat panel heater includes a leakage protection power lead, a heating plate, a temperature setting controller, a power switch, and a chassis. The temperature can be set through a temperature setting controller and can be maintained.

客户现场

CUSTOMER SITE



某航空集团有限公司

产品型号/名称: PIEN-1.8PT 电磁感应加热器

Product model/name: PIEN-1.8PT electromagnetic induction heater

加热工件: 轴承

Heating workpiece: bearing

加热需求: 用于加热安装直径小于 200mm 的各类精密轴承配件

Heating demand: Used for heating and installing various precision bearing accessories with a diameter less than 200mm

其他客户现场使用图:

Other customer on-site usage images:





PIEN-ST 台式电磁感应加热器

PIEN-ST DESKTOP ELECTROMAGNETIC INDUCTION HEATER

性能特点

主要应用于较小环形工件的加热，巧妙的结构设计和考究的选材为加热器的安全、持续工作提供了可靠保障。该系列轴承加热器，不仅可安全高效的加热轴承，还可加热其他环形金属工件。

PERFORMANCE CHARACTERISTICS

Mainly used for heating smaller circular workpieces, with clever structural design and meticulous material selection as the heater. The safety and continuous work provide reliable guarantees. This series of bearing heaters not only ensure safety and efficiency, but also The heating bearing can also heat other circular metal workpieces.

技术参数

TECHNICAL PARAMETER

型号 MODEL	PIEN-22ST	PIEN-50ST	PIEN-80ST	PIEN-120ST	PIEN-200ST
功率 (KVA) POWER	2.2	5	8	12	20
电压 (V) VOLTAGE	220/50HZ	220/50HZ	380/50HZ	380/50HZ	380/50HZ
电流 (A) CURRENT	17	23	23	32	52
最小内径 (mm) MINIMUM INNER DIAMETER	20	20	60	40	80
最大外径 (mm) MAXIMUM OUTER DIAMETER	400	400	450	450	720
最大宽度 (mm) MAXIMUM WIDTH	120/165	145/165	200	200/250	290
最大重量 (kg) MAXIMUM WEIGHT	30	50	70	80	300
温度控制 (°C) TEMPERATURE CONTROL	0-300	0-300	0-300	0-300	0-300
时间控制 (s) TIME CONTROL	0-9999	0-9999	0-9999	0-9999	0-9999
自重 (kg) WEIGHT	30	50	80	80	165
外形尺寸 (mm) EXTERNAL DIMENSIONS	500*280*310	520*400*370	620*400*510	620*400*510	1300*400*920

客户现场

CUSTOMER SITE



某酒厂有限公司
产品型号 / 名称: PIEN-22ST、PIEN-1.8PT 电磁感应加热器
Product model/name: PIEN-22ST、PIEN-1.8PT electromagnetic induction heater
加热工件: 轴承
Heating workpiece: bearing
加热需求: 内径最小 20mm 外径最大 350mm 宽度 115mm 以内
Heating demand: The minimum inner diameter is 20mm, the maximum outer diameter is 350mm, and the width is within 115mm.



PIEN-ST 移动式电磁感应加热器

PIEN-ST SERIES MOBILE ELECTROMAGNETIC INDUCTION HEATER

性能特点

是我公司为流动加热作业的客户群体量身定做的系列产品。该产品具有操作简单移动方便的特点。不同的加热杆配置，满足了多规格的轴承加热需求。

PERFORMANCE CHARACTERISTICS

It is a series of products tailored by our company for the customer group of flow heating operations. This product has the characteristics of simple operation and convenient movement. Different heating rod configurations meet the heating needs of multiple specifications of bearings.

技术参数

TECHNICAL PARAMETER

型号 MODEL	PIEN-50ST	PIEN-100ST	PIEN-160ST
功率 (KVA) POWER	5	10	16
电压 (V) VOLTAGE	220/50HZ	380/50HZ	380/50HZ
电流 (A) CURRENT	23	32	42
最小内径 (mm) MINIMUM INNER DIAMETER	20	40	80
最大外径 (mm) MAXIMUM OUTER DIAMETER	400	500	600
最大宽度 (mm) MAXIMUM WIDTH	145/165	200/210	290
最大重量 (kg) MAXIMUM WEIGHT	50	120	300
温度控制 (°C) TEMPERATURE CONTROL	0-300	0-300	0-300
时间控制 (s) TIME CONTROL	0-9999	0-9999	0-9999
自重 (kg) CUNOMEN	50	84	142
外形尺寸 (mm) EXTERINS DIMENSING	590*350*650	920*450*890	1020*600*1050

客户现场

CUSTOMER SITE



某工程钻具有限公司
产品型号 / 名称: PIEN-160ST 电磁感应加热器
Product model/name: PIEN-160ST electromagnetic induction heater
加热工件: 工程刀具
Heating workpiece: Engineering cutting tool
加热需求: 工程刀具 内径: 330mm 外径: 508mm 宽度: 90mm
Heating demand: Engineering tool inner diameter: 330mm outer diameter: 508mm width: 90mm



PIEN-WT 分体式电磁感应加热器

PIEN-WT SERIES SPLIT TYPE ELECTROMAGNETIC INDUCTION HEATER

性能特点

主要适用于大型工件的加热,分离式的结构设计,更科学的满足了客户的个性化需求,该系列产品采用高容量自愈式补偿电容,节能近60%。

PERFORMANCE CHARACTERISTICS

Mainly suitable for heating large workpieces, the separated structural design more scientifically meets the personalized needs of customers. This series of products adopts high capacity self-healing compensating capacitors, which can save nearly 60% energy.

技术参数

TECHNICAL PARAMETER

型号 MODEL	PIEN-250WT	PIEN-350WT	PIEN-500WT
功率 (KVA) POWER	25	35	50
电压 (V) VOLTAGE	380/50HZ	380/50HZ	380/50HZ
电流 (A) CURRENT	66	92	132
最小内径 (mm) MINIMUM INNER DIAMETER	80	100	120
最大外径 (mm) MINIMUM OUTER DIAMETER	800	900	1000
最大宽度 (mm) MAXIMUM WIDTH	250	300	300
最大重量 (kg) MAXIMUM WEIGHT	300	700	1000
温度控制 (°C) TEMPERATURE CONTROL	0-300	0-300	0-300
时间控制 (s) TIME CONTROL	0-9999	0-9999	0-9999
自重 (kg) DEADWEIGHT	250	400	600
外形尺寸 (mm) EXTERNAL DIMENSIONS	1400*600*830	1550*700*920	1800*700*1100

可定制水平、垂直方向电动升降移动铁框架,提高工作效率,降低操作风险。
CUSTOMIZABLE HORIZONTAL AND VERTICAL ELECTRIC LIFTING AND MOVING FRAME DEVICES TO IMPROVE WORK EFFICIENCY AND REDUCE OPERATIONAL RISK.

客户现场

CUSTOMER SITE



某选矿厂维修车间

Mineral processing plant maintenance workshop

产品型号/名称: PIEN-650WT 电磁感应加热器

Product model/name: PIEN-650WT electromagnetic induction heater

加热工件: 轴承、联轴器, 尺寸如下: 内径 378mm 外径 615mm 宽度 400mm 轴承
Heating workpiece: Bearings, couplings, and dimensions are as follows: inner diameter 378mm, outer diameter 615mm, width 400mm. Bearings

加热需求: 轴承加热 100 度, 联轴器 150-180 度

Heating demand: Bearing heating at 100 °C, coupling 150-180 °C



PIEN-FT 风电专用电磁感应加热器

PIEN-FT SERIES WIND POWER DEDICATED ELECTROMAGNETIC INDUCTION HEATER

技术参数

TECHNICAL PARAMETER

型号	功率 (KVA)	电压 (V)	电流 (A)	最小内径 (mm)	最大外径 (mm)	最大重量 (kg)	时间控制 (S)	自重 (KG)	外形尺寸 (mm)
MODE	POWER	VOLTAGE	CURRENT	MINIMUM INNER DIAMETER	MAXIMUM OUTER DIAMETER	MAXIMUM WEIGHT	TIME CONTROL	SELF WEIGHT	EXTERNAL DIMENSIONS
PIEN-FT 风电系列	定制	380	定制	220	2500	7000	0-9999	定制	定制
Wind power series	Customization		Customization					Customization	Customization

性能特点

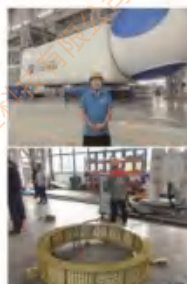
满足风电行业：2.5MW、3.0MW、4.5MW、5MW、6MW、9MW、14MW及以上的轴承、轴承套、轴承座的装配需求，一台设备满足多种工件的加热需求。

PERFORMANCE CHARACTERISTICS

Meet the needs of the wind power industry: 2.5MW, 3.0MW, 4.5MW, 5MW, 6MW, 9MW, 14MW and above. The assembly requirements of bearings, bearing sleeves, and bearing seats require one equipment to meet the heating needs of multiple workpieces.

客户现场

CUSTOMER SITE



某风电能源集团

产品型号 / 名称: PIEN-400FT-2 电磁感应加热器

Product model/name: PIEN-400FT-2 electromagnetic induction heater

加热工件: 轴承, 轴承座, 挡圈, 齿轮箱胀套的安装

Heating workpiece: installation of bearings, bearing seats, retaining rings, and gearbox expansion sleeves

加热需求: 最大外径可达 3.2m, 加快组装效率, 提升轴承寿命

Heating demand: The maximum outer diameter can reach 3.2m, accelerating assembly efficiency and improving bearing life

其他客户现场使用图:

Other customer on-site usage images:





技术参数

TECHNICAL PARAMETER

型号	MODELS	PIEN-10LT	PIEN-16LT
功率 (KVA)	POWER	25-10	35-16
电压 (V)	VOLTAGE	380/50HZ	380/50HZ
电流 (A)	CURRENT	66-26	92-42
最小内径 (mm)	MINIMUM INNER DIAMETER	85-160	110-260
最大外径 (mm)	MINIMUM OUTER DIAMETER	400	550
最大宽度 (mm)	MAXIMUM WIDTH	200	330
最大重量 (kg)	MAXIMUM WEIGHT	50	150
时间控制 (s)	TIME CONTROL	0-9999	0-9999
自重 (kg)	DEADWEIGHT	100	180
外形尺寸 (mm)	EXTERNAL DIMENSIONS	570*500*680	750*455*1020

PIEN-LT系列 铝壳专用电磁感应加热器

PIEN-LT SERIES ALUMINUM SHELL DEDICATED ELECTROMAGNETIC INDUCTION HEATER

性能特点

是我公司研发团队针对电机行业设计的专用加热设备。该设备可满足对不同规格铸铝、拉伸铝机壳的加热。具有加热效率高、可连续工作的特点。针对新能源电机行业工作量大、节拍快、需求量大的情况，匹恩公司推出定制型双工位铝壳加热器、中高频铝壳加热器等可满足客户需要。

PERFORMANCE CHARACTERISTICS

It is a specialized heating equipment designed by our company's R&D team for the motor industry. This device can meet different specifications of heating of cast aluminum and stretched aluminum casings. It has the characteristics of high heating efficiency and continuous operation. For new energy electricity Due to the high workload, fast pace, and high demand in the machinery industry, Pien Company has launched a customized dual station aluminum shell heat exchangers, medium and high frequency aluminum shell heaters, etc. can meet customer needs.

客户现场

CUSTOMER SITE



某传动技术有限公司
产品型号 / 名称: PIEN-16LT 双工位电磁感应加热器
Product model/name: PIEN-16LT dual station electromagnetic induction heater
加热工件: 电机壳
Heating workpiece: Motor casing
加热需求: 内径范围 110-260mm, 最大宽度 330mm, 加热温度为 180℃-200℃
Heating demand: Inner diameter range of 110-260mm, maximum width of 330mm, heating temperature of 180℃-200℃



PIEN-D系列金属环形专用加热设备

PIEN-D SERIES METAL RING SPECIAL HEATING EQUIPMENT

技术参数

TECHNICAL PARAMETER

型号 MODEL	功率 (KVA) POWER	电压 (V) VOLTAGE	电流 (A) CURRENT	最小内径 (mm) MINIMUM INNER DIAMETER	最大外径 (mm) MAXIMUM OUTER DIAMETER	最大重量 (kg) MAXIMUM WEIGHT	时间控制 (S) TIME CONTROL	自重 (KG) SELF-WEIGHT	外形尺寸 (mm) EXTERNAL DIMENSIONS
PIEN-D 系列	根据要求定制			针对被加热工件的特点要求设计。加热速度快。 可设置气动升降铰链。配合自动化流水线。			0-9999	根据要求定制	
适用: 安重	CUSTOMIZED ACCORDING TO REQUIREMENTS			DESIGNED ACCORDING TO THE CHARACTERISTICS OF THE HEATED WORKPIECE. WITH FAST HEATING SPEED. IT CAN BE EQUIPPED WITH INFLUENCE LIFTING MECHANISM AND AUTOMATED ASSEMBLY LINES.				CUSTOMIZED ACCORDING TO REQUIREMENTS	

性能特点

主要适应于内径较小及盲孔、需快速加热的齿轮、齿圈、小型联轴器、皮带轮、电机铝壳、活塞等异形金属工件。
可配备红外、气缸、电机等,实现自动化流水线配合加热。

PERFORMANCE CHARACTERISTICS

Mainly suitable for gears, gear rings, small couplings, pulleys with small inner diameters and blind holes that require rapid heating. Special shaped metalworkpieces such as motor aluminum shells and pistons. Can be equipped with infrared, cylinders, motors, etc. to achieve automated assembly lines. Combined with heating.

客户现场

CUSTOMER SITE



某卡车股份有限公司

产品型号 / 名称: PIEN-D16-2 电磁感应加热器

Product model/name: PIEN-D16-2 electromagnetic induction heater

加热工件: 齿圈

Heating workpiece: Ring gear

加热需求: 齿圈尺寸内径 191mm 外径 210mm 高度 18mm

Heating demand: Ring gear size inner diameter 191mm outer diameter 210mm height 18mm

其他客户现场使用图:

Other customer on-site usage images:





PIEN-C系列 感应拆卸加热器

PIEN-C SERIES INDUCTION DISASSEMBLY HEATER

技术参数

TECHNICAL PARAMETER

型号 MODEL	功率 (KVA) POWER	电压 (V) VOLTAGE	电流 (A) CURRENT	最小内径 (mm) MINIMUM INNER DIAMETER	最大外径 (mm) MAXIMUM OUTER DIAMETER	时间控制 (S) TIME CONTROL	自重 (KG) EXAMINED IT	外形尺寸 (mm) EXTERNAL DIMENSIONS
PIEN-1C PIEN-2C	根据要求定制 CUSTOMIZED ACCORDING TO REQUIREMENT			>136	< 878	0-9999	根据要求定制 CUSTOMIZED ACCORDING TO REQUIREMENT	

性能特点

主要应用与FC、FCD系列轧机轴承内套、迷宫环的安装及拆卸应用。

PERFORMANCE CHARACTERISTICS

Mainly used for the installation and disassembly of bearing inner sleeves and labyrinth rings in FC and FCD series rolling mills.

客户现场

CUSTOMER SITE





PIEN-H系列 加热箱/炉

PIEN-H SERIES HEATING BOX/FURNACE

技术参数

TECHNICAL PARAMETER

型号 MODEL	功率 (KVA) POWER	电压 (V) VOLTAGE	电流 (A) CURRENT	最小内径 (mm) MINIMUM INTERNAL DIA	最大外径 (mm) MAXIMUM EXTERNAL DIA	最大宽度 (mm) MAXIMUM WIDTH	最大重量 (kg) MAXIMUM WEIGHT	时间控制 (h) TIME CONTROL	容量 (KG) CAPACITY	外形尺寸 (mm) EXTERNAL DIMENSIONS
PIEN-H 系列 定制	3KW/6KW/12KW/15KW 定制 220V/380V			工作室尺寸: 350*450*450/500*600*750 800*800*1000/1200*1200*1400其他尺寸定制				可设置	3KW-590*970*1300 6KW-1130*850*1190 其他尺寸定制	

性能特点

适用于批量加热工件的需求。加热温度均匀。单次加热量大。加热内室可做柜式、抽屉式、台车式、隧道式等。

PERFORMANCE CHARACTERISTICS

Suitable for batch heating of workpieces, with uniform heating temperature and large single heating capacity. The heating chamber can be made into cabinet, drawer, trolley, tunnel, etc.

客户现场

CUSTOMER SITE



中高频 - 电磁感应加热器

MEDIUM AND HIGH FREQUENCY - ELECTROMAGNETIC INDUCTION HEATER

● 工作原理 Working principle

匹恩中高频感应加热器主要由逆变器、谐振单元、变压器和感应器组成。其中逆变器是一个交—直—交的变流器，将工频交流电能变换成为几千至几百千赫兹的中频或高频电能。谐振单元和变压器一端连接逆变器，另一端连接感应器。将高压变成隔离的低压并进行阻抗匹配。加热时，感应器中流过强大的高频电流，在导体内产生感应电流，因此导体迅速被加热。匹恩中高频感应加热器的谐振频率根据被加热对象和工艺的不同而不同一般从一千至几十千赫兹最为常用。

The PEN medium and high frequency induction heater mainly consists of an inverter, resonant unit, transformer, and inductor. The inverter is an AC to AC converter that converts power frequency AC energy into intermediate or high-frequency energy ranging from several thousand to several hundred kilohertz. One end of the resonant unit and transformer is connected to an inverter, and the other end is connected to an inductor to convert the high voltage into an isolated low voltage and perform impedance matching. During heating, a strong high-frequency current flows through the inductor, generating an induced current within the conductor, which rapidly heats the conductor. The resonant frequency of the Pen medium and high frequency induction heater varies depending on the heated object and process, generally ranging from 1000 to tens of kilohertz.

● 主要应用 Main applications

淬火、回火、蘸火、退火、热处理、金属加热、玻璃加热、陶瓷加热、电子元器件焊接、联轴器、轴承内圈、轴套、齿轮、挡圈、端盖等工件的热装和热拆，各种金属件的焊前预热、焊后消氢、热处理等加热安装。

Quenching, tempering, dipping, annealing, heat treatment, metal heating, glass heating, ceramic heating, electronic component welding, coupling, bearing inner ring, shaft sleeve, gear, retaining ring, end cover and other workpieces as well as pre-welding preheating, post-welding hydrogen elimination, heat treatment of various metal parts. Heating installation.

● 适用范围 Applicable scope

钢铁、电机、新能源、风电水利、军工核电、矿山机械、造纸纺织、石油化工、科研实验、配合自动化等加热领域

Heating fields such as steel, electric motors, new energy, wind power and water conservancy, military nuclear power, mining machinery, papermaking and textiles, petrochemicals, scientific research experiments, and coordinated automation

● 设备应用案例 Equipment application cases



石油行业
The petroleum industry



产品型号 / 名称: 中频 120KW 千瓦电磁感应加热器
加热需求:
接手加热, 长度 150-300mm, 内径 200-250mm, 重量 580KG 加热时间 3 分钟,
加热温度 150-250 度
Product model/name: Medium frequency 120 kw electromagnetic induction heater
Heating demand:
Take over heating, length 150-300mm, inner diameter 200-250mm, weight 580KG, heating time 3 minutes, heating temperature 150-250 °C



冶炼行业
Smelting industry



产品型号 / 名称: 中频水冷 200KW、160KW 电磁感应加热器
加热需求:
不锈钢板产线在线焊后消氢
Product model/name: Medium frequency water-cooled 200 kw, 160 kw electromagnetic induction heaters
Heating demand:
Stainless steel plate production line online post-welding hydrogen elimination



自动化行业
Automation industry



产品型号 / 名称: 640 千瓦风冷电磁感应加热器 + 感应线圈
加热需求:
特大型定子拆卸 (外壳加定子重量 33T, 外壳重量 20T)
Product model/name: 640 kw air-cooled electromagnetic induction heater + induction coil
Heating demand:
Demanting of extra large stator (outer shell with stator weight of 33T, outer shell weight of 20T)

PIEN-MT-2 中频风冷感应加热器

PIEN-MT-2 MEDIUM FREQUENCY AIR-COOLED INDUCTION HEATER



便携式



立柜式



导热油专用



定制-防爆



主机+感应线圈



主机+感应工装

应用行业领域:

APPLICATION INDUSTRY:

石油化工行业:石油管道预热, 管道的热涂覆, 储油罐的加热等;

机电行业维修:大型机电设备的拆卸与安装, 如轴承内套、齿轮、键轮、对轮、联轴器、连接轴、

平衡轴、轧辊电机转子等大型工件的安装和拆卸;

焊前预热、焊后热处理、消氢处理:管道焊前预热、模具预热、管道焊后消氢处理、钢结构焊后热处理、

锅炉主汽管道焊后热处理

Petrochemical industry: preheating of petroleum pipelines, thermal coating of pipelines, heating of oil storage tanks, etc;

Mechanical and Electrical Industry Maintenance: Dismantling and installation of large-scale mechanical and electrical equipment, such as the installation and dismantling of large workpieces such as bearing inner sleeves, gears, sprockets,

couplings, connecting shafts, balance shafts, rolling mill motor rotors, etc;

Pre weld preheating, post weld heat treatment, hydrogen removal treatment: pipeline pre weld preheating, mold

preheating, pipeline post weld hydrogen removal treatment, steel structure post weld heat treatment, boiler main steam

pipeline post weld heat treatment;

性能特点

1. 精准控制

中频感应加热设备具有良好的温度控制性能, 可以实现精确的加热控制, 这对于需要严格控制加热温度的生产过程来说非常重要, 有助于保证产品质量和性能。

2. 均匀散热

风冷型中频感应加热器采用风冷散热方式, 无需使用额外的冷却水, 进一步降低了能耗和运营成本。

3. 安全性高

中频感应加热是无火焰、无气体的过程, 相对于传统加热方式, 其安全性更高, 风冷型中频感应加热器在设计和制造过程中充分考虑了安全因素, 配备了多种安全保护装置, 确保设备在异常情况下能够及时停机, 保护设备和人员安全。

PERFORMANCE CHARACTERISTICS

1. Accurate control

The intermediate frequency induction heating equipment has good temperature control performance and can achieve precise heating control, which is suitable for production processes that require strict control of heating temperature. It is very important to ensure product quality and performance.

2. Uniform heat dissipation

The air-cooled mid frequency induction heater adopts an air-cooled heat dissipation method, which does not require the use of additional cooling water, further reducing energy consumption and operating costs.

3. High security

Intermediate frequency induction heating is a flameless and gas free process, which has higher safety compared to traditional heating methods. In the design and During the manufacturing process, safety factors are fully considered and various safety protection devices are equipped to ensure that the equipment can be shut down in a timely manner in case of abnormal situations, protecting the safety of equipment and personnel.

技术参数

TECHNICAL PARAMETER

型号 MODEL	PIEN-10MT-2	PIEN-60MT-2	PIEN-100MT-2	PIEN-160MT-2	PIEN-200MT-2
功率 (KW) POWER	10	60	100	160	200
电压 (V) VOLTAGE	220V/380V	380V±10% 50-60hz	380V±10% 50-60hz	380V±10% 50-60hz	380V±10% 50-60hz
电流 (A) CURRENT	15A	90A	150A	240A	300A
主机形式 HEATER TYPE	手提式 Hand-held	立柜式 Cabinet-style	立柜式/高柜式 Cabinet-style/High cabinet-style	高柜式 High cabinet-style	高柜式 High cabinet-style
变压器 TRANSFORMER	内置 Built-in	内置 Built-in	外置 External	外置 External	外置 External
设备尺寸 (mm) EQUIPMENT SIZE	370*550*270	800*700*550	900*700*550	900*1400*550	900*1400*550
设备重量 (kg) EQUIPMENT WEIGHT	30	50	60	具体确定 Specific determination	具体确定 Specific determination
负载电感量 LOAD INDUCTANCE	根据工件 Load of the workpiece	120-190±10uH	120-190±10uH	120-190±10uH	120-190±10uH



性能特点

1. 该设备采用变频技术，加热时工作在超音频频段，无噪音污染。
2. 加热效率高，操作简单。
3. 节能环保效果显著，温室气体排放量小，占地面积小。
4. 使用成本低等优点。

PERFORMANCE CHARACTERISTICS

1. The device adopts frequency conversion technology and operates in the ultrasonic frequency range during heating without noise pollution.
2. High heating efficiency and simple operation.
3. Significant energy-saving and environmental protection effects, low greenhouse gas emissions, and small footprint.
4. Advantages such as low usage cost.

客户现场

CUSTOMER SITE



PIEN-NT系列 内塞式感应加热器

PIEN-NT SERIES PLUG TYPE INDUCTION HEATER

技术参数

TECHNICAL PARAMETER

型号 MODEL	功率 (KVA) POWER	电压 (V) VOLTAGE	电流 (A) CURRENT	最小内径 (mm) MINIMUM PLUG DIAMETER	最大外径 (mm) MAXIMUM PLUG DIAMETER	最大重量 (kg) MAXIMUM WEIGHT	时间控制 (S) TIME CONTROL	自重 (KG) DEADWEIGHT	外形尺寸 (mm) EXTERNAL DIMENSIONS
PIEN-NT 通用：碳钢 Application: Carbon steel	5KW, 10KW, 20KW 40KW, 60KW, 80KW			一个感应器匹配一个工件尺寸一个主机可以 匹配多个感应器可选择空气冷却，或气流冷却 Matching a sensor with a workpiece size and a host can matching multiple sensors can choose between air cooling or air flow cooling			0-9999	根据要求定制 (Customized according to requirements)	

PIEN中高频水冷感应加热器

PIEN MEDIUM AND HIGH FREQUENCY WATER-COOLED INDUCTION HEATER



PIEN-40GT-S



PIEN-100MT-2S



PIEN-120MT-2S



PIEN-160GT-2S



水冷一体机

性能特点

1. IGBT固态逆变、高效节能
2. 可百分百满负载持续不间断工作
3. 频率自动跟踪、安装简单、操作方便
4. 保护功能完善、可靠性高
5. 多种信号对接、可满足个性化定制
6. 热效率高、节能环保

PERFORMANCE CHARACTERISTICS

1. IGBT solid-state inverter, efficient and energy saving
2. Can work continuously without interruption at 100% full load
3. Automatic frequency tracking, simple installation, and convenient operation
4. Complete protection functions and high reliability
5. Multiple signal docking to meet personalized customization needs
6. High thermal efficiency, energy-saving and environmental protection

技术参数

TECHNICAL PARAMETER

型号 MODEL	中频PIEN-MT-S系列	高频PIEN-GT-S系列	超音频PIEN-GT-2S系列
功率 (KW) POWER	根据尺寸要求定制 可选380V(15KW-320KW)、220V(15KW-240KW)(30KW-320KW)等 Customized according to size requirementsOptional380V (15KW-320KW)220V(15KW-240KW)(30KW-320KW)etc.		
功能方式 FUNCTIONAL MODE	水冷模式、进口IGBT模块、频率4-25KHZ、30-80KHZ、10-30KHZ 根据工件尺寸及加热温度要求选择电源功率、匹配不同规格的感应器工装可适用不同工况的需求。 Water cooling mode, imported IGBT module, frequency 4-25KHZ, 30-80KHZ, 10-30KHZ, selected based on workpiece size and heating temperature requirementsPower supply, matching different specifications of sensor fixturesCan meet the needs of different working conditions.		
加热温度 HEATING TEMPERATURE	室温-2000度 Room temperature - 2000 °C		
加热方式 HEATING METHOD	可按电流、功率、温度、时间、工艺等各种加热方式。 Can be adjusted according to current, power, temperature time, and processWaiting for various heating methods.		
设备尺寸重量 EQUIPMENT SIZE AND WEIGHT	根据选择尺寸重量不同 Depending on the selected size and weight		
适用: 安装、拆卸、热处理 Applicable: installation, disassembly, heat treatment			



PIEN-MT-2S 中频水冷感应加热器

PIEN-MT-2S MEDIUM FREQUENCY WATER-COOLED INDUCTION HEATER

性能特点

1. 加热速度快，可按时间、温度、工艺等方式控制。
2. 适用广：可加热任何金属材质的工件（根据工件形状的不同来制作感应圈）。
3. 节能省电：热效率达95%以上，相对于火烧、电阻方式。
4. 效率高：人工操作一人可完成，自动化匹配程度高。
5. 容易操作，占地小，无环保、噪音问题。
6. 根据不同需求，选择最合适的频率、功率、工装、信号等。
7. 根据不同需求，选择单机、主分机、一体机、定制机等。

PERFORMANCE CHARACTERISTICS

1. The heating speed is fast and can be controlled according to time, temperature, process, and other methods.
2. Wide applicability: It can heat workpieces of any metal material (making induction rings according to the shape of the workpiece).
3. Energy saving and power consumption saving. The thermal efficiency reaches over 95%, compared to fire and resistance methods.
4. High efficiency, manual operation can be completed by one person, and high degree of automation matching.
5. Easy to operate, small footprint, no environmental or noise issues.
6. Choose the most suitable frequency, power, tooling, signal, etc. according to different needs.
7. According to different needs, choose single machine, main extension machine, all-in-one machine, customized machine, etc.

技术参数

TECHNICAL PARAMETER

型号 MODEL	PIEN-25MT-2S	PIEN-35MT-2S	PIEN-45MT-2S	PIEN-70MT-2S	PIEN-90MT-2S
功率 (KW) POWER	25	35	45	70	90
频率 (KHZ) FREQUENCY	4-20KHZ	4-20KHZ	4-20KHZ	4-20KHZ	4-20KHZ
电流 (A) CURRENT	5-45A	10-70A	15-95A	20-130A	25-170A
适用范围 APPLICATION SCOPE	内径50-100mm Inner Diameter 50-100mm	内径100-200mm Inner Diameter 100-200mm	内径200-300mm Inner Diameter 200-300mm	内径300-400mm Inner Diameter 300-400mm	内径400-500mm Inner Diameter 400-500mm
冷水机P数 P-NUMBER OF CHILLERS	2P	3P	3P	5P	8P
主机体积+重量 HOST VOLUME+WEIGHT	520*290*520 28KG	520*290*520 43KG	650*350*560 50KG	650*350*560 60KG	810*410*880 70KG
分机体积+重量 EXTENSION VOLUME+WEIGHT	540*280*520 30KG	540*280*530 50KG	560*290*520 55KG	560*290*520 55KG	570*410*520 60KG
温度检测 TEMPERATURE DETECTION	红外70-400度 含保温功能 Infrared 70-400°C with Insulation Function				

可根据尺寸要求定制

Customizable according to size requirements



PIEN超高频水冷感应加热器

PIEN ULTRA HIGH FREQUENCY WATER-COOLED INDUCTION HEATER

性能特点

- 1. 水冷散热:**
采用水冷散热技术, 有效降低了加热器的温度, 保证了其长时间稳定运行, 水冷散热还提高了加热器的使用寿命和安全性。
- 2. 节能环保:**
超高频水冷感应加热器在加热过程中, 能量损失小, 热效率高, 同时不产生有害气体和烟尘, 符合环保要求。
- 3. 加热均匀:**
通过高频电磁场的作用, 工件内部能够均匀受热, 避免了传统加热方式中因温度不均匀而导致的工件变形、开裂等问题。

PERFORMANCE CHARACTERISTICS

- 1. Water cooling and heat dissipation:**
The use of water-cooled heat dissipation technology effectively reduces the temperature of the heater, ensuring its long-term stable operation. Water cooled heat dissipation also improves the service life and safety of the heater.
- 2. Energy conservation and environmental protection:**
The ultra-high frequency water-cooled induction heater has low energy loss, high thermal efficiency, and does not produce harmful gases and smoke during the heating process, which meets environmental protection requirements.
- 3. Uniform heating:**
Through the action of high-frequency electromagnetic fields, the interior of the workpiece can be uniformly heated, avoiding problems such as workpiece deformation and cracking caused by uneven temperature in traditional heating methods.

技术参数

TECHNICAL PARAMETER

型号 MODEL	PIEN-6GT-3S	PIEN-10GT-3S	PIEN-20GT-3S	PIEN-40GT-3S	PIEN-60GT-3S
功率 (KW) POWER	6	10	20	40	60
电压 (V) VOLTAGE	220V	380V	380V	380V	380V
电流 (A) CURRENT	3A-30A	5A-45A	5A-50A	10A-70A	15A-145A
水冷机建议 WATER COOLER RECOMMENDATION	1P	2P	3P	5P	5P
输出震荡频率 OUTPUT OSCILLATION FREQUENCY	100KHZ-500KHZ	100KHZ-500KHZ	100KHZ-150KHZ	80KHZ-100KHZ	50KHZ-150KHZ
主机体积+重量 HOST VOLUME+WEIGHT	260*450*520 23KG	260*450*550 30KG	260*450*550 28KG	260*450*550 50KG	350*520*600 58KG
分机体积+重量 EXTENSION VOLUME+WEIGHT	260*370*490 23KG	260*370*490 30KG	260*370*490 16KG	300*400*450 27KG	260*370*490 35KG
负载持续率 LOAD DURATION	80%	80%	100%24小时连续工作 100% continuous work 24 hours all night	100%24小时连续工作 100% continuous work 24 hours all night	100%24小时连续工作 100% continuous work 24 hours all night

• 风电行业

WIND POWER INDUSTRY

某风电科技集团

产品规格/名称: 80千瓦电磁感应加热器
Product specifications/name: 80 kw electromagnetic induction heater

加热用途: 安装轴承及轴承座
Heating purpose: Installing bearings and bearing seats

现场工况描述: 内径630mm-外径1090mm宽度280mm轴承及轴承座加热安装需求
Operating condition description: Inner diameter 630mm, outer diameter 1090mm, width 280mm, bearing and bearing seat heating installation requirements

客户难点: 为解决内外温差的难题,增加外部辅助加热设施
Customer difficulties: To solve the problem of temperature difference between inside and outside, increase external auxiliary heating facilities

客户现场:
Customer site:



某风电科技公司

产品型号/名称: 120千瓦电磁感应加热器
Product specifications/name: 120 kw electromagnetic induction heater

加热用途: 加热安装
Heating purpose: Heating installation

现场工况描述: 内径 (mm) 900 + 外径 (mm) 1800 + 宽度 (mm) 700 + 承重 (kg) 3500.
Operating condition description: Inner diameter (mm) 900+outer diameter (mm) 1800+width (mm) 700+load-bearing capacity (kg) 3500.

客户难点: 不好把控温度精准,加热不均匀,我们设备具有4点测温 and 温差自动控制功能,保证温差在30℃以内。
Customer difficulties: It is difficult to control the temperature accurately and heating evenly. Our equipment has a 4-point temperature measurement and automatic temperature difference control function, ensuring that the temperature difference is within 30 °C.

客户现场:
Customer site:



• 风电行业

WIND POWER INDUSTRY

某风电集团

产品规格/名称: PIEN-400FT-2, PIEN-9.X, PIEN-MB, PIEN-14.X, PIEN-5.X
Product specifications/name: PIEN-400FT-2, PIEN-9.X, PIEN-MB, PIEN-14.X, PIEN-5.X

加热用途: 轴承, 军工标准挡圈
Heating purpose: Bearing, military standard retaining ring

现场工况描述: 轴承, 轴承座, 挡圈, 齿轮箱膨胀套的安装, 最大外径可达3.2m, 加快组装效率, 提升轴承寿命。
Operating condition description: The installation of bearings, bearing seats, retaining rings, and gearbox expansion sleeves can reach a maximum outer diameter of 3.2m, accelerating assembly efficiency and improving bearing life.

客户现场:
Customer site:



某国电力公司

产品规格/名称: 100千瓦电磁感应加热器*2
Product specifications/name: 100 kw electromagnetic induction heater * 2

加热用途: 加热轴承、轴承座
Heating purpose: Heating bearings and bearing seats

现场工况描述: 轴承内径 (mm) : 600-900、外径 (mm) : 870-1280、厚度 (mm) : 272-375、重量 (KG) : 800-1500
Operating condition description: Bearing inner diameter (mm): 600-900, outer diameter (mm): 870-1280, thickness (mm): 272-375, weight (KG): 800-1500
最小轴承座内径 (mm) : 820、外径 (mm) : 1130、厚度 (mm) : 470、长度 (mm) : 1860、重量 (KG) : 1500
Minimum bearing seat inner diameter (mm): 820, outer diameter (mm): 1130, thickness (mm): 470, length (mm): 1860, weight (KG): 1500
最大轴承座内径 (mm) : 1280、外径 (mm) : 1700、厚度 (mm) : 735、长度 (mm) : 2900、重量 (KG) : 4300
Maximum bearing seat inner diameter (mm): 1280, outer diameter (mm): 1700, thickness (mm): 735, length (mm): 2900, weight (KG): 4300

客户现场:
Customer site:



机械行业

MECHANICAL INDUSTRY

某机械公司

产品规格/名称: Product specifications/name:	65千瓦电磁感应加热器 65 kw electromagnetic induction heater
加热用途: Heating purpose:	加热杆自动平移, 加热大电机端盖 Automatic translation of heating rod, heating large motor end cover
现场工况描述: Operating condition description:	外径2000mm, 内径480mm重量2000KG的大端盖加热 Heating of the large end cap with an outer diameter of 2000mm and an inner diameter of 480mm and a weight of 2000KG
客户难点: Customer difficulties:	定制60KW 自动平移加热杆设备, 目前国内能做到这个技术的就我们一家 Customized 60KW automatic translation heating rod equipment, currently only our company in China can achieve this technology

客户现场: Customer site:



农林机械行业

AGRICULTURAL AND FORESTRY MACHINERY INDUSTRY

某动力机械公司

产品规格/名称: Product specifications/name:	16千瓦电磁感应加热器 16 kw electromagnetic induction heater
加热用途: Heating purpose:	活塞加热安装 Installation of piston heating
现场工况描述: Operating condition description:	加热活塞销轴孔, 直径18mm, 材质铝 Heating piston pin shaft hole, diameter 18mm, made of aluminum
客户难点: Customer difficulties:	之前人工推拉加热杆, 累、易歪。我们采用加热杆自动平移, 匹配多个加热杆, 快速加热活塞, 节省人力 Previously, manual pushing and pulling of heating rods caused fatigue and easy tilting. We used automatic translation of heating rods, matched with multiple heating rods, to quickly heat the piston and save manpower

客户现场: Customer site:



金属机械行业

METAL MACHINERY INDUSTRY

某金属工具公司

产品规格/名称: Product specifications/name:	15千瓦加热烘箱 15 kW heating oven
加热用途: Heating purpose:	加热安装 Heating installation
现场工况描述: Operating condition description:	加热温度范围: 0-300度、顶部开门, 承重需达到1.5吨 Heating temperature range: 0-300 °C Top opening door, load capacity needs to reach 1.5 tons
客户难点: Customer difficulties:	客户之前加热采用传统方式, 加热效率慢, 通过我提供的大型烘箱, 效率提升2倍 The customer previously used traditional heating methods, which resulted in slow heating efficiency. However, with the large oven provided by our company, the efficiency has been doubled

客户现场: Customer site:



制造业 MANUFACTURING

某齿轮集团

产品规格/名称: Product specifications/name:	50千瓦双工位电磁感应加热器 50 kw dual station electromagnetic induction heater
加热用途: Heating purpose:	应用于较大齿轮件、轴承的加热安装 Applied for heating installation of larger gear components and bearings
现场工况描述: Operating condition description:	加热工件最小内径60mm, 最大外径1000mm, 最大宽度400mm, 最大工件重量500KG The minimum inner diameter of the heated workpiece is 60mm, the maximum outer diameter is 1000mm, the maximum width is 400mm, and the maximum workpiece weight is 500KG
客户难点: Customer difficulties:	增加加热齿轮的自动升降装置, 减少行吊或者人工进行更换, 增加了双工位电动到位装置, 减少行吊的作业时间 Add automatic lifting devices for heating yoke iron, reduce the need for hanging or manual replacement, add dual station electric positioning devices, and reduce the operation time of hanging

客户现场: Customer site:



石油化工行业 PETROCHEMICAL INDUSTRY

某石化公司

产品规格/名称: Product specifications/name:	40千瓦电磁感应加热器 40 kw electromagnetic induction heater
加热用途: Heating purpose:	压力容器焊前预热、输油管道焊前预热 Preheating of pressure tank body before welding and preheating of oil pipeline before welding
现场工况描述: Operating condition description:	客户方之前使用气焊, 加热温度不均匀, 操作不方便, 夏天非常热, 安全保证性差 The customer previously used gas welding, which resulted in uneven heating temperature and inconvenient operation. It was very hot in summer, and the safety guarantee was poor
客户难点: Customer difficulties:	加热效率更高、更均匀, 焊接后机械性能强度更强, 减少了工人工作量, 改善了工作环境 Higher and more uniform heating efficiency, stronger mechanical strength after welding, reduced worker workload, and improved working environment

客户现场: Customer site:



交通运输行业 TRANSPORTATION INDUSTRY

某机车车辆公司

产品规格/名称: Product specifications/name:	3.6千瓦电磁感应加热器 3.6 kw electromagnetic induction heater
加热用途: Heating purpose:	加热轴承安装 Installation of heated bearings
现场工况描述: Operating condition description:	加热双列深沟球轴承, 外径在120mm左右, 时间在3-5分钟可加热110℃ Heating double row deep groove ball bearings, with an outer diameter of about 120mm, can heat up to 110 °C within 3-5 minutes
客户难点: Customer difficulties:	客户之前使用锤击的方式就安装轴承, 发现对工件损伤较大, 使用锤击等方式也会影响装配效率 The customer previously installed bearings using hammering, but found that it caused significant damage to the workpiece. Using hammering and other methods can also affect assembly efficiency

客户现场: Customer site:



某丰风电公司

产品规格/名称: Product specifications/name:	12千瓦电磁感应加热器 12 kw electromagnetic induction heater
加热用途: Heating purpose:	安装联轴器 Install the coupling
现场工况描述: Operating condition description:	客户现场需要加热的工件外径尺寸在200-400mm之间 The outer diameter size of the workpiece that needs to be heated on site by the customer is between 200-400mm
客户难点: Customer difficulties:	要求加热温差在±2℃内完成, 并需要供应商具备退磁监测报告和温度检测报告 Require heating temperature difference to be completed within ± 2 °C. And suppliers need to have demagnetization monitoring reports and temperature detection reports

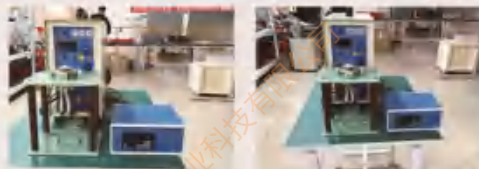
客户现场: Customer site:



科技行业 TECHNOLOGY INDUSTRY

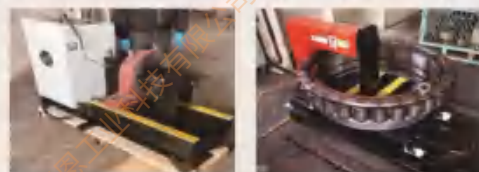
某科技公司

产品规格/名称 Product specifications/name	80千瓦电磁感应加热器 80 kw electromagnetic induction heater
加热用途: Heating purpose	轴承、军工标准挡圈 Bearing, military standard retaining ring
现场工况描述 Operating condition description	最大内径1760mm, 外径1850mm, 需要均匀加热安装对工件无损伤 Bearing, military standard retaining ring with a maximum inner diameter of 1760mm and outer diameter of 1850mm, requires uniform heating and installation without damage to the workpiece
客户难点: Customer difficulties	客户之前用气枪加热, 加热时间半小时以上而且温度不均匀, 控制不好工件会被损伤 The customer previously heated the workpiece with an air gun for more than half an hour and the temperature was uneven, which could cause damage to the workpiece if not properly controlled
客户现场: Customer site	



某科技公司

产品规格/名称 Product specifications/name	75千瓦电磁感应加热器 75 kw electromagnetic induction heater
加热用途: Heating purpose	加热安装齿轮、法兰、联轴器异形工件 Heating installation of irregular workpieces such as gears, flanges, couplings, etc
现场工况描述 Operating condition description	客户之前采用传统加热方式, 加热效率较低 The customer previously used traditional heating methods, which resulted in lower heating efficiency
客户难点: Customer difficulties	客户车间效率低, 工人安全无保证, 后该客户购买了多台100千瓦风冷电磁感应加热器, 是我司长期合作的优质客户 The efficiency of the customer's workshop is low, and the safety of workers is not guaranteed. Subsequently, we purchased multiple 100 kw air-cooled electromagnetic induction heaters, which are high-quality customers that our company has been cooperating with for a long time
客户现场: Customer site	



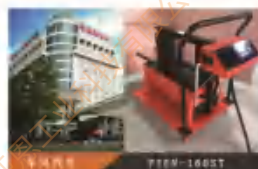
某机床有限责任公司
产品规格/名称: PIEN-350WT轴承加热器
Product specifications/name: PIEN-350WT bearing heater



某重机有限责任公司
产品规格/名称: PIEN-500WT电磁感应加热器 (定制)
Product specifications/name: PIEN-500WT electromagnetic induction heater (customized)
加热用途: 轴承、联轴器
Heating purpose: Bearings and couplings
工况描述: 最小内径120mm 最大外径600mm 最大宽度400mm 加热重量500KG, 加热时间仅20-30分钟
Operating condition description: Minimum inner diameter 120mm, maximum outer diameter 600mm, maximum width 400mm, heating weight 500KG, heating time only 20-30 minutes



某煤矿物供中心
产品规格/名称: PIEN-50ST电磁感应加热器
Product specifications/name: PIEN-50ST electromagnetic induction heater
加热用途: 轴承
Heating purpose: bearing
工况描述: 加热轴承内径110mm 外径240mm 宽度50mm 加热到100度, 用时2分钟
Operating condition description: Heat the inner diameter of the bearing to 110mm, outer diameter to 240mm width to 50mm and heat it to 100°C. It takes 2 minutes



某汽车集团有限公司
产品规格/名称: PIEN-160ST电磁感应加热器
Product specifications/name: PIEN-160ST electromagnetic induction heater
加热用途: 轴承
Heating purpose: bearing
工况描述: 加热范围最小内径80mm 最大外径700mm 最大宽度250mm 最大重量300kg
Operating condition description: Heating range: minimum inner diameter 80mm, maximum outer diameter 700mm, maximum width 250mm, maximum weight 300kg



某重型机械有限公司
产品规格/名称: PIEN-1000ST电磁感应加热器 (定制)
Product specifications/name: PIEN-1000ST electromagnetic induction heater (customized)
加热用途: 球磨机轴承
Heating purpose: Ball mill bearings
工况描述: 加热范围最小内径500mm 外径2100mm 最大宽度500mm 加热400KG轴承到达100度仅需20分钟左右
Operating condition description: Heating range: inner diameter 500mm - outer diameter 2100mm, maximum width 500mm. Heating 400KG bearings to reach 100°C only takes about 20 minutes



某机械设备有限公司
产品规格/名称: PIEN-250ST电磁感应加热器 (定制)
Product specifications/name: PIEN-250ST electromagnetic induction heater (customized)
加热用途: 齿轮
Heating purpose: gear
工况描述: 小齿轮: 内径40mm 外径: 700mm 宽度250mm 重量: 300KG, 加热时间是2分钟。
大齿轮: 内径100mm 外径380mm 宽度85mm 加热时间是15分钟
Operating condition description: Pinion, inner diameter 40mm outer diameter 700mm width 250mm weight 300KG, heating time 2 minutes. Big gear: inner diameter 100mm outer diameter 380mm width 85mm heating time 15 minutes



某环保设备有限公司
产品规格/名称: PIEN-160ST电磁感应加热器
Product specifications/name: PIEN-160ST electromagnetic induction heater
加热用途: 轴承、托辊、轮毂、链轮
Heating purpose: Bearings, rollers, hubs, sprockets
工况描述: 加热内径140mm, 外径300mm, 宽度102mm的轴承。加热100度, 用时90秒
Operating condition description: Heating a bearing with an inner diameter of 140mm, an outer diameter of 300mm, and a width of 102mm at 100°C Celsius, taking 90 seconds



某兵器工业集团公司
产品规格/名称: PIEN-50ST电磁感应加热器
Product specifications/name: PIEN-50ST electromagnetic induction heater
加热用途: 轴承
Heating purpose: bearing
工况描述: 内径最小20mm 外径最大450mm 宽度150mm以内
Operating condition description: The minimum inner diameter is 20mm, the maximum outer diameter is 450mm, and the width is within 150mm



某水泥有限公司
产品规格/名称: PIEN-22CT 2台, PIEN-160ST-W 1台
Product specifications/name: PIEN-22CT*2, PIEN-160ST-W*1
加热用途: 轴承
Heating purpose: bearing
工况描述: 内径50mm, 外径110mm, 宽度27mm, 最大重量2KG, 加热到100度只需要40秒
Operating condition description: Inner diameter 50mm, outer diameter 110mm, width 27mm, maximum weight 2KG, heated to 100°C Celsius in only 40 seconds



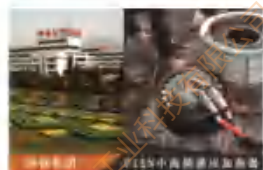
某动力股份有限公司
产品规格/名称: PIEN-22CT电磁感应加热器
Product specifications/name: PIEN-22CT electromagnetic induction heater
加热用途: 轴承
Heating purpose: bearing
工况描述: 外径: 200mm, 内径: 140mm, 厚度: 35mm, 重量: 3.48kg 轴承加热至140°C 用时5min
Operating condition description: Outer diameter: 200mm, inner diameter: 140mm, thickness: 35mm, weight: 3.48kg. Heating the bearing to 140 °C takes 5 minutes



某机车车辆有限公司
产品规格/名称: PIEN-3C电磁感应加热器 (定制)
Product specifications/name: PIEN-3C electromagnetic induction heater (customized)
加热用途: 检修拆卸、安装轴承
Heating purpose: Maintenance, disassembly, and installation of bearings
工况描述: 拆卸内圈外径为96mm的轴承, 加热100度, 只需要11秒。更快的实现了车辆检修
Operating condition description: Dismantle the bearing with an outer diameter of 96mm on the inner ring, heat it up to 100°C, and it only takes 11 seconds to achieve faster vehicle maintenance



某石油机械有限公司
加热用途: 大、小齿圈, 大、小齿轮, 大、小连杆工件, 大、小皮带轮等
Heating purpose: Large and small gear rings, large and small gears, large and small connecting rod workpieces, large and small pulleys, etc.
工况描述: 加热时间太长, 加热一次需要2h, 存在耗电量太大, 炉内加热丝损坏维修困难, 加热不均匀等问题
Operating condition description: Pinion: Heating time is too long, sometimes takes 2 hours to heat once, and there are also problems such as high power consumption, broken heating wires in the furnace, difficult maintenance, and uneven heating



某钢铁有限责任公司
产品规格/名称: 中频PIEN-120MT/380V电磁感应加热器
Product specifications/name: Intermediate frequency PIEN-120MT/380V electromagnetic induction heater
加热用途: 轴承、齿轮、联轴器 (机架辊虎口)
Heating purpose: Bearings, gears, couplings (rack roller tiger mouth)
工况描述: 内径160mm, 外径280mm, 宽度305mm, 重量154KG, 加热时间40min.
Operating condition description: Inner diameter 160mm, outer diameter 280mm, width 305mm, weight 154KG, heating time 40min; heating temperature 350 °C, material forged 45



产品规格/名称: PIEN-500WT电磁感应加热器
Product specifications/name: PIEN-500WT electromagnetic induction heater
加热用途: 加热链轮, 使其内孔圆度已达到安装目的
Heating purpose: Heat the sprocket to expand its inner hole for installation purposes
工况描述: 内径 120-400mm, 最大外径 1500mm, 最大宽度 450mm, 最大承重重量 1 吨
Operating condition description: Inner diameter 120-400mm, maximum outer diameter 1500mm, maximum width 450mm, maximum load-bearing capacity 1 ton. Heat the maximum size sprocket to 120°C Celsius for approximately 35 minutes subject to actual conditions



产品规格/名称: PIEN-1000WT电磁感应加热器
Product specifications/name: PIEN-1000WT electromagnetic induction heater
加热用途: 加热安装大型齿圈
Heating purpose: Heating installation of large gear rings
工况描述: 齿圈参数: $\Phi 1260 \times \Phi 1668.75 \times 175$, $\Phi 1117.6 \times 1449.87 \times 168.5$, 大齿圈总成: $\Phi 1117.6 \times 1449.87 \times 337$
Operating condition description: Ring gear parameters: $\Phi 1260 \times \Phi 1668.75 \times 175 \times \Phi 1117.6 \times 1449.87 \times 168.5$, large gear ring assembly: $\Phi 1117.6 \times 1449.87 \times 337$



华东师范大学
产品规格/名称: PIEN-6GT-35
Product specifications/name: PIEN-6GT-35
加热用途: 加热镍钴合金
Heating purpose: Heating nickel cobalt alloy
工况描述: 内径 8mm 的石英管, 含 2g 镍钴合金, 加热保温数个小时, 温度: 700-800°, 温差保持: $\pm 10^\circ$
Operating condition description: Quartz tube with an inner diameter of 8mm, containing 2g of nickel cobalt alloy, heated and insulated for several hours, temperature: 700-800 °C, temperature difference maintained: $\pm 10^\circ$



中南大学
产品规格/名称: PIEN-40MT-2
Product specifications/name: PIEN-40MT-2
加热用途: 加热罐体内气体
Heating purpose: Gas inside the heating tank
工况描述: 芯棒外径: 180mm以内, 长度: 1250mm 左右, 实际缠绕尺寸为720mm, 罐体: 外径: 3m, 罐口190mm
Operating condition description: Core rod outer diameter: within 180mm, length about 1250mm, actual winding size is 720mm. Tank body: outer diameter 3m, tank mouth 190mm



辽宁科技大学
产品规格/名称: PIEN-15MT-5
Product specifications/name: PIEN-15MT-5
加热用途: 铝合金和钢件内外喷涂0.3mm陶瓷涂层, 加热球形壳体
Heating purpose: Aluminum alloy and steel parts are coated with 0.3mm ceramic coating both inside and outside, and heated into a circular shell
工况描述: 铝合金外部或内部涂层, 通过陶瓷加热器热传导工装升温至 400°C, 钢件壳体外部或内部涂层, 通过陶瓷加热器热传导工装升温至 600°C; 单独感应线圈直接加热铝合金至 400°C, 钢件升温 800°C
Operating condition description: Aluminum alloy external or internal coating, heated to 400 °C by ceramic heater thermal conductivity fixture. Separate induction line for direct heating of aluminum alloy to 400 °C and steel parts to 800 °C

机械制造行业

MECHANICAL MANUFACTURING INDUSTRY

某工程公司

产品规格/名称: Product specifications/name:	640千瓦风冷电磁感应加热器+感应线圈 640 kw air-cooled electromagnetic induction heater+induction cable
加热用途: Heating purpose:	特大型定子拆卸 (外壳加定子重量33T, 外壳重量20T) Dismantling of extra large stator (outer shell with stator weight of 33T, outer shell weight of 20T)
现场工况描述: Operating condition description:	工件尺寸较大, 各种传统方式均无法完成拆卸 The workpiece size is relatively large, and various traditional methods cannot complete disassembly
客户难点: Customer difficulties:	通过我方工程师核算, 确定可采用2台120KW+2台200KW中频风冷绕线设备, 成功拆卸 Through our engineer's calculation, it has been determined that two 120KW and two 200KW intermediate frequency air-cooled winding equipment can be used, and they have been successfully disassembled

客户现场: Customer site:



通用设备制造业

GENERAL EQUIPMENT MANUFACTURING INDUSTRY

某齿轮集团

产品规格/名称: Product specifications/name:	320千瓦风冷电磁感应加热器+感应线圈 320 kw air-cooled electromagnetic induction heater+induction cable
加热用途: Heating purpose:	拆卸齿轮轴承座, 外径尺寸1400mm左右 Dismantle the gear bearing seat, with an outer diameter size of approximately 1400mm
现场工况描述: Operating condition description:	外径1320-1400mm, 内径746mm, 高度不超过500mm, 过盈量为0.4-0.5mm outer diameter 1320-1400mm, inner diameter 746mm, height not exceeding 500mm, and interference fit of 0.4-0.5mm
客户难点: Customer difficulties:	工件尺寸较大, 各种传统方式均无法完成拆卸, 同行业均未能完成拆卸, 我司技术抵达后, 320千瓦即可完成拆卸 The workpiece size is relatively large, and various traditional methods are unable to complete disassembly. The same industry has not been able to complete disassembly. After our company's technology arrives, disassembly can be completed by 320 kilowatts

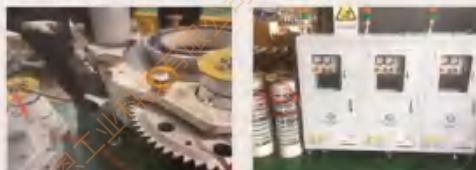
客户现场: Customer site:



某机械公司

产品规格/名称: Product specifications/name:	300千瓦+180千瓦风冷电磁感应加热器 300 kw+180 kw air-cooled electromagnetic induction heater
加热用途: Heating purpose:	行星架销轴孔安装 Installation of planetary carrier pin hole
现场工况描述: Operating condition description:	一级销轴孔, 二级销轴孔 (内径: 240-320 深度: 455-913.5) mm First level pin hole, second level pin hole (inner diameter: 240-320, depth: 455-913.5) mm
客户难点: Customer difficulties:	之前采购其余厂家设备, 价格高, 加热均匀性差, 设计不合理, 使用我司设备后, 反馈加热效率高, 温度均匀 Previously purchased equipment from other manufacturers, but the price was high, the heating uniformity was poor, and the design was unreasonable. After using our company's equipment, feedback was given that the heating efficiency was high and the temperature was uniform

客户现场: Customer site:



某智能公司

产品规格/名称: Product specifications/name:	60千瓦风冷电磁感应加热器+加热带 60 kw air-cooled electromagnetic induction heater+heating belt
加热用途: Heating purpose:	管道焊前预热 Preheating before pipeline welding
现场工况描述: Operating condition description:	焊前预热, 焊后保温, 直径600mm左右管道, 加热宽度300mm左右, 60千瓦设备, 功率调节一半, 7分钟300度左右 Preheating before welding, insulation after welding, pipeline with a diameter of about 600mm, heating width of about 300mm, 60 kw equipment, half power adjustment, around 300°C Celsius in 7 minutes
客户难点: Customer difficulties:	客户方之前使用气焊, 发现均匀性不理想, 不同工人会出现不同加热效果, 安全保证性差 The customer previously used gas welding and found that the uniformity was not ideal, and different workers would have different heating effects, resulting in poor safety assurance

客户现场: Customer site:



风电行业

WIND POWER INDUSTRY

某风电公司

产品规格/名称: Product specifications/name:	200千瓦风冷电磁感应加热器+感应工装 200 kw air-cooled electromagnetic induction heater+induction fixture
加热用途: Heating purpose:	加热轴承、轴套、挡圈 Heating bearings, shaft sleeves, and retaining rings
现场工况描述: Operating condition description:	加热工件较大, 采用传统油煮火烤等方式效率低, 不符合环保等要求, 同时会对工件进行损伤 The heating of the workpiece is relatively large, and traditional methods such as oil boiling, fire baking, etc. have low efficiency and do not meet environmental requirements. At the same time, it will cause damage to the workpiece
客户难点: Customer difficulties:	工人采用安全科学的加热方式, 提升安装效率3倍, 工件受热均匀, 0损伤, 安装工人安全性得到保护 The workers adopt a safe and scientific heating method, which improves installation efficiency by three times, evenly heats the workpiece, and causes no damage. The safety of the installation workers is protected

客户现场: Customer site:



机电行业

MECHANICAL AND ELECTRICAL INDUSTRY

某电机公司

产品规格/名称: Product specifications/name:	60千瓦风冷电磁感应加热器+感应线缆 60 kw air-cooled electromagnetic induction heater+induction cable
加热用途: Heating purpose:	拆卸电机转子 Dismantling the motor rotor
现场工况描述: Operating condition description:	转子外径尺寸300-400mm左右, 高度400mm左右, 拆卸转子可继续使用 The outer diameter size of the rotor is about 300-400mm, and the height is about 400mm. The rotor can be disassembled for continued use
客户难点: Customer difficulties:	破坏转子安全性低, 费用较高, 转子破坏后不能再次使用, 使用我们设备拆卸转子, 节约费用约8-10万元, 效率增加, 工人安全 The safety of dismantling the rotor is low and the cost is high. After the rotor is damaged, it cannot be used again. Using our equipment to dismantle the rotor can save about 80000-100000 yuan in costs, increase efficiency, and ensure worker safety

客户现场: Customer site:



钢铁行业

STEEL INDUSTRY

某钢铁集团

产品规格/名称: Product specifications/name:	200千瓦风冷电磁感应加热器+感应线缆/感应工装 200 kw air-cooled electromagnetic induction heater+induction cable/induction fixture
加热用途: Heating purpose:	轧辊拆卸 Roll disassembly
现场工况描述: Operating condition description:	外径1320-1400mm, 内径746mm, 高度不超过500mm, 过盈量为0.4-0.5mm outer diameter 1320-1400mm, inner diameter 746mm, height not exceeding 500mm, and interference fit of 0.4-0.5mm
客户难点: Customer difficulties:	现场使用传统方式等均无法实现拆卸要求 Traditional methods such as on-site use are unable to meet the dismantling requirements

客户现场: Customer site:



某钢铁公司

产品规格/名称: Product specifications/name:	160千瓦风冷电磁感应加热器 160 kw air-cooled electromagnetic induction heater
加热用途: Heating purpose:	拆卸火车轮辋 Dismantling the train wheel hub
现场工况描述: Operating condition description:	内径: 160mm, 外径: 1050mm, 高度: 398mm, 重量: 2000KG Inner diameter: 160mm, outer diameter: 1050mm, height: 398mm, weight: 2000KG
客户难点: Customer difficulties:	每次拆卸用火烤, 加热温度不均匀, 损伤工件, 还会出现拆不下来的情况, 帮忙客户解决了拆卸难题, 无污染无伤害 Every time the disassembly is done, the heating temperature is uneven, causing damage to the workpiece and even preventing it from being removed. We have helped the customer solve the disassembly problem, ensuring no pollution or harm

客户现场: Customer site:



金属制造行业

METAL MANUFACTURING INDUSTRY

某金属制造公司

产品规格/名称: Product specifications/name:	中频水冷200千瓦和中频水冷160千瓦电磁感应加热器 Medium frequency water-cooled 200 kw/160 kw electromagnetic induction heaters
加热用途: Heating purpose:	不锈钢板产线在线焊后消氢 Stainless steel plate production line online post welding hydrogen elimination
现场工况描述: Operating condition description:	400 系不锈钢板, 加热尺寸: 长度 1300mm 宽度 100mm 厚度 6mm, 加热时间和温度: 温度 650℃, 加热时间 ≤ 80S 400 series stainless steel plate, heating size: length 1300mm, width 100mm, thickness 6mm, heating time and temperature: temperature 650 °C, heating time ≤ 80S
客户难点: Customer difficulties:	解决了火烤加热方式, 加热效率低, 加热不均匀, 焊缝机械性能不达标的问题 Solved the problems of low heating efficiency, uneven heating, and substandard mechanical properties of welding seams in the fire heating method
客户现场: Customer site:	



自动化制造业

AUTOMATED MANUFACTURING INDUSTRY

某工业自动化装备公司

产品规格/名称: Product specifications/name:	高频水冷25千瓦电磁感应加热器 High frequency water-cooled 25 kw electromagnetic induction heater
加热用途: Heating purpose:	齿圈热套, 自动化产线现场 Ring gear hot sleeve, automated production line on-site
现场工况描述: Operating condition description:	加热温度 250℃, 时间 20S Heating temperature 250 °C, time 20 seconds
客户难点: Customer difficulties:	提高了热套效率 Improved hot charging efficiency
客户现场: Customer site:	



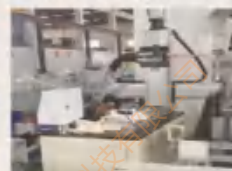
某金属制造公司

产品规格/名称: Product specifications/name:	高频水冷25千瓦电磁感应加热器 High frequency water-cooled 25 kw Electromagnetic induction heater
加热用途: Heating purpose:	加热四氟管道内衬 Heating PTFE pipeline lining
现场工况描述: Operating condition description:	加热尺寸在200mm左右管, 加热至500℃, 时间在5分钟左右即可完成 Heating the tube with a size of about 200mm, heating it to 500 °C, takes about 5 minutes to complete
客户难点: Customer difficulties:	采用人工气焊等方式, 会存在有毒气体, 同时加热均匀性不好, 操作负责, 安全性低 Using methods such as manual gas welding and baking can result in toxic gases, poor heating uniformity, responsible operation, and low safety
客户现场: Customer site:	



某机器人科技公司

产品规格/名称: Product specifications/name:	高频水冷25千瓦匹配自动化设备 High frequency water-cooled 25 kw matching automation equipment
加热用途: Heating purpose:	加热轴承座, 安装轴承 Heating the bearing seat and installing the bearing
现场工况描述: Operating condition description:	变速箱自动化产线加热轴承 Heating bearings for automatic transmission production line
客户难点: Customer difficulties:	变速箱内需要同时加热3种不同型号轴承, 不影响产线的其他动作, 同时加热3个轴承加热时间保证在15秒 The gearbox needs to heat three different types of bearings simultaneously, without affecting other actions on the production line. The heating time for all three bearings is guaranteed to be 15 seconds
客户现场: Customer site:	



橡胶密封行业

RUBBER AND PLASTIC SEALING INDUSTRY

某橡塑密封科技公司

产品规格/名称: Product specifications/name:	高频水冷25千瓦电磁感应加热器 High frequency water-cooled 25 kw electromagnetic induction heater
加热用途: Heating purpose:	钢条除油 Steel bar degreasing
现场工况描述: Operating condition description:	自动化产线, 宽45mm, 厚0.5mm, 每分钟10-20米匀速移动, 加热温度200℃ Automated production line, width 45mm, thickness 0.5mm, moving at a constant speed of 10-20 meters per minute, heating temperature 200 °C
客户难点: Customer difficulties:	我司提供了整套加热系统包括PLC信号, 解决了客户加工钢条时有油膜问题, 冲压成型率百分之百 Our company provides a complete heating system, including PLC signals, which solves the problem of oil film when customers process steel strips. The stamping forming rate is 100%

客户现场: Customer site:



纸浆造纸行业

PULP AND PAPER INDUSTRY

某工程技术公司

产品规格/名称: Product specifications/name:	超音频水冷160千瓦电磁感应加热器 Ultra audio water-cooled 160 kw electromagnetic induction heater
加热用途: Heating purpose:	加热印花辊子 Heating printing roller
现场工况描述: Operating condition description:	加热印花的辊子, 辊子受热给纸压上印花 Heat up the printing roller, which is heated to press the print onto the tissue
客户难点: Customer difficulties:	之前用进口设备, 成本比较高售后不及时, 我司设备大大降低了成本, 客户对产品和售后服务都非常满意 Previously, we used imported equipment, which had high costs and delayed after-sales service. Our company's equipment greatly reduced costs, and our customers were very satisfied with the product and after-sales service

客户现场: Customer site:



技术研发行业

TECHNOLOGY RESEARCH AND DEVELOPMENT INDUSTRY

某动力科技公司

产品规格/名称: Product specifications/name:	中频熔炼炉70千瓦电磁感应加热器 70 kw electromagnetic induction heater for medium frequency smelting furnace
加热用途: Heating purpose:	真空熔炼 Vacuum melting
现场工况描述: Operating condition description:	负真空状态下熔炼7公斤镁粉, 持续送料 Melt 7 kilograms of magnesium powder under negative vacuum and continue feeding
客户难点: Customer difficulties:	中频电源电压200V以内, 杜绝了火花现象, 满载情况下10分钟就可以提炼7公斤镁粉, 使成品每公斤费用降低20% The medium frequency power supply voltage is within 200V, eliminating sparks. Under full load, 7 kilograms of magnesium powder can be extracted in 10 minutes, reducing the cost per kilogram of finished products by 20%

客户现场: Customer site:



人工智能行业

THE ARTIFICIAL INTELLIGENCE INDUSTRY

某智能公司

产品规格/名称: Product specifications/name:	中频35千瓦电磁感应加热器 Intermediate frequency 35 kw electromagnetic induction heater
加热用途: Heating purpose:	电机壳加热安装 Motor shell heating installation
现场工况描述: Operating condition description:	壳体尺寸内径50-170mm 高度50-210mm 加热时间60秒, 加热温度200℃ Shell size inner diameter 50-170mm, height 50-210mm, heating time 60 seconds, heating temperature 200 °C
客户难点: Customer difficulties:	多种不同大小尺寸的机壳, 需要一台设备兼容使用, 我司针对客户需求制定一拖多的加热方式, 满足客户需求 Multiple different sizes of casings require compatibility with one device. Our company has developed a one to many heating method to meet customer needs

客户现场: Customer site:



• 交通运输行业

TRANSPORTATION INDUSTRY

某齿轮公司

产品规格/名称:
Product specifications/name:

中频水冷35千瓦电磁感应加热器
Medium frequency water-cooled 35 kw electromagnetic induction heater

加热用途:
Heating purpose:

加热壳体进行安装
Heating the shell for installation

现场工况描述:
Operating condition description:

内孔直径*深度: 80-90mm*20mm 加热温度100-120℃, 单孔加热时间不超过50s (120℃)
Inner hole diameter * depth: 80-90mm * 20mm Heating temperature 100-120 °C, single hole heating time not exceeding 50s (120 °C)

客户难点:
Customer difficulties:

之前用传统加热方式, 加热速度不理想, 解决铝壳壳难加热问题, 实现水冷主机一体化, 占用空间少, 更安全方便
Previously, traditional heating methods were used, but the heating speed was not ideal, which solved the problem of difficult heating of existing aluminum shells and achieved integration of water-cooled main units, occupying less space and making it safer and more convenient.

客户现场:
Customer site:



• 交通运输行业

TRANSPORTATION INDUSTRY

某电动科技公司

产品规格/名称:
Product specifications/name:

中频70千瓦电磁感应加热器
Medium frequency 70 kw electromagnetic induction heater

加热用途:
Heating purpose:

钢柱加热冲压
Heating and stamping of steel columns

现场工况描述:
Operating condition description:

直径32-36mm, 壁厚3-5mm, 长度45-110mm, 无缝钢管3-5秒加热温度700度
Diameter 32-36mm, wall thickness 3-5mm, length 45-110mm, seamless steel pipe with a heating temperature of 700 °C in 3-5 seconds

客户难点:
Customer difficulties:

满足客户现场加热后冲压热塑的功能
Satisfy the customer's on-site heating and stamping thermoplastic function

客户现场:
Customer site:



• 石油化工行业

PETROCHEMICAL INDUSTRY

某石油公司

产品规格/名称:
Product specifications/name:

中频120KW千瓦电磁感应加热器
Medium frequency 120 kw electromagnetic induction heater

加热用途:
Heating purpose:

接手加热
Take over heating

现场工况描述:
Operating condition description:

长度150-300mm, 内径200-250mm, 重量580KG, 加热时间3分钟, 加热温度150-250度
Length 150-300mm, inner diameter 200-250mm, weight 580KG, heating time 3 minutes, heating temperature 150-250 °C

客户难点:
Customer difficulties:

加热后安装
Installation after heating

客户现场:
Customer site:



• 石油化工行业

PETROCHEMICAL INDUSTRY

某机械制造公司

产品规格/名称 Product specifications/name	超音频90千瓦电磁感应加热器 Ultra audio 90 kw electromagnetic induction heater
加热用途: Heating purpose	刀座热处理 Knife holder heat treatment
现场工况描述: Operating condition description	长度150-300mm 宽度100-150mm 加热时间30秒, 加热温度950度 Length 150-300mm, width 100-150mm, heating time 30 seconds, heating temperature 950°C
客户难点: Customer difficulties	原客户需要淬火工厂处理, 自行购置淬火设备, 按照工况定制淬火传感器, 实现自制 The original customer needs a quenching factory for processing, purchased quenching equipment on their own, customized quenching sensors according to working conditions, and achieved self-made production

客户现场: Customer site



某石油天然气集团

产品规格/名称: Product specifications/name	PIEN-MF40中高频电磁感应加热器 PIEN-MF40 medium and high frequency electromagnetic induction heater
加热用途: Heating purpose	轴承 bearing
现场工况描述: Operating condition description	快速加热安装, 单个轴承加热时间小于1分钟 Quick heating installation, single bearing heating time less than 1 minute

客户现场: Customer site



• 重工制造行业

HEAVY MANUFACTURING INDUSTRY

某招商局重工公司

产品规格/名称: Product specifications/name	PIEN-120GT-25电磁感应加热器 PIEN-120GT-25 electromagnetic induction heater
加热用途: Heating purpose	1min以内工件加热至550-600度, 位置偏差±3mm, Heat the workpiece to 550-600°C Celsius within 1 minute, with a positional deviation of ± 3mm
现场工况描述: Operating condition description	热处理环境温度要求零下10摄氏度以上, 设备能适应不同规格型材 The temperature requirement for heat treatment environment is -10 °C Celsius or above, and the equipment can adapt to different specifications of profiles

客户现场: Customer site



• 粮油生产行业

GRAIN AND OIL PRODUCTION INDUSTRY

某粮油公司

产品规格/名称: Product specifications/name	PIEN-60MT电磁感应加热器 PIEN-60MT electromagnetic induction heater
加热用途: Heating purpose	联轴器, 轴套, 榨螺等工件的热装和热拆 Hot assembly and disassembly of workpieces such as couplings, shaft sleeves, and screw presses
现场工况描述: Operating condition description	工件外径330mm, 最大宽度330mm, 最小内径110mm Workpiece outer diameter 330mm, maximum width 330mm, minimum inner diameter 110mm
客户难点: Customer difficulties	拆卸榨螺(表面是螺旋形状的榨机榨螺)中心有根轴, 需要把外套加热退出(外套是分截式的)外径是330mm 最大的宽度330mm最小内径是110mm, 这个工件与轴中间还掺杂了一些油菜籽, 用传统的方法很难操作 There is a shaft in the center of the screw press (with a spiral shaped surface) that needs to be removed by heating the outer shell (the outer shell is segmented). The outer diameter is 330mm. The maximum width is 330mm and the minimum inner diameter is 110mm. This workpiece is also mixed with some rapeseed in the middle of the shaft, which is difficult to operate using traditional methods

客户现场: Customer site





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