

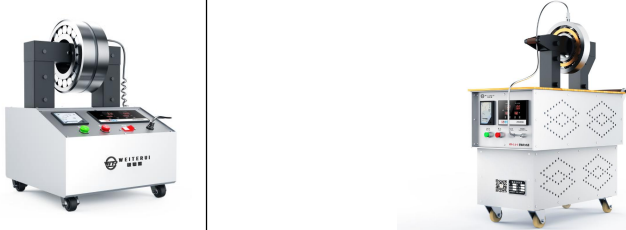
WTR

轴 承 拆 装 工 具 商 务 资 料

一、WTR 轴承感应加热器产品应用

WTR 系列感应加热器，主要广泛应用于冶金、铁路、油田、机械、电机等企业制造、维修机械过程中需过盈装配的轴承、联轴器、齿轮、衬套等环状孔形零件感应加热。




WTR 轴承感应安装加热器——移动型

型号	WTR-2.2-3	WTR-3.5-3	WTR-7.5-3	WTR-12-3
功率	2.2KVA	3.5KVA	7.5KVA	12KVA
电压/频率	220V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
电流	16A	20A	30A	60A
磁极面积	60*64mm	65*70mm	85*102mm	100*100mm
磁极高度	220mm	265mm	325mm	355mm
最大工件重量	10KG	20KG	40KG	100KG
最小工件内径	20mm	20mm	30mm	40mm
最大工件外径	260mm	350mm	450mm	500mm
最大工件宽度	120mm	160mm	180mm	220mm
温度控制	300℃；PT100 测温探头；数字显示			
时间控制	0-99 分钟；数字显示			
自动退磁	残磁<2A/CM			
机器尺寸(mm)	365*390*510	740*380*780	780*420*910	850*430*950
机器重量	50KG	80KG	170KG	230KG
轭铁配置(mm)	48*48*260 36*36*260 28*28*260 20*20*260 14*14*260	63*63*370 48*48*370 36*36*370 28*28*300 20*20*300 14*14*300	75*75*460 55*55*460 36*36*460 28*28*370 20*20*370	82*82*530 60*60*530 40*40*530 28*28*430
机器样式	移动式	移动式	移动式	移动式
机器图片				

WTR 轴承感应安装加热器——一体机

型号	WTR-16-4S	WTR-20-4	WTR-30-4	WTR-60-4	WTR-75-4
功率	16KVA	20KVA	30KVA	60KVA	75KVA
电压/频率	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
电流	70A	80A	100A	160A	180A
磁极面积	120*120mm	120*125mm	124*132mm	150*166mm	750*700mm
磁极高度	450mm	480mm	545mm	660mm	730mm
最大工件重量	150KG	200KG	400KG	600KG	1000KG
最小工件内径	50mm	80mm	120mm	120mm	150mm
最大工件外径	600mm	650mm	800mm	900mm	1000mm
最大工件宽度	240mm	250mm	300mm	300mm	350mm
温度控制	300℃ ; PT100 测温探头 ; 数字显示				
时间控制	0-99 分钟 ; 数字显示				
自动退磁	残磁 < 2A/CM				
机器尺寸(mm)	1700*600*920	1700*600*920	1800*600*900	2000*740*1100	2200*850*1200
机器重量	400KG	420KG	520KG	750KG	950KG
轭铁配置(mm)	96*96*510 68*68*510 56*56*510 34*34*510	96*96*540 68*68*540 56*56*540	96*96*540 68*68*540 56*56*540	116*116*620 90*90*620 68*68*620	120*120*700 90*90*700 68*68*700
机器样式	一体机	一体机	一体机	一体机	一体机
机器图片					

WTR 轴承感应安装加热器 —— 便携式

型号	WTR-HE2500	WTR-HE3600	WTR-HE8000
电压/频率	220V/50-60HZ	220V/50-60HZ	380V/50-60HZ
功率	2.5KVA	3.6KVA	8.0KVA
最大工件重量	12	50	150
最小工件内径	15	20	45
最大工件外径	220	480	720
最大工件宽度	70/100	120/175	195
温度控制	240°C	300°C	300°C
时间控制	0-99 分钟	0-9999 秒	0-9999 秒
机器重量(KG)	15	35	64KG
机器尺寸(mm)	240x200x235	480x240x305	520x390x340
轭铁配置(mm)	10x10x150; 14x14x150; 20x20x150; 30x30x150; 40x40x150	14x14x250; 20x20x250; 30x30x250; 45x45x250	30x30x370; 40x40x370; 50x50x370
机器样式	便携式	便携式	便携式
机器图片			

WTR 轴承安装加热器——平板加热器

型号	WTR-P-1.6
功率	1.6KVA
电压/频率	220V/50HZ
电流	8A
最大轴承内径	100 mm
最大轴承重量	5KGS
盖板深度	45mm
加热面积	200mm x 200mm
温度控制	50°C-200°C可调
机器尺寸 (mm)	245*260*140mm
机器重量	6KGS
电源线长度	1000mm
安全保护	漏电保护
机器样式	平板
机器图片	

WTR 轴承感应拆装加热器



一、WTR 轴承感应拆装加热器产品应用

WTR 轴承感应拆装加热器，主要广泛应用于冶金、铁路、油田、机械、电机等企业制造、维修机械过程中轴承内套的感应装卸。

二、WTR 轴承感应拆装加热器工作原理

WTR 轴承感应拆装加热器利用电磁感应加热原理对轴承内套由表及里均匀加热，使轴承内套在瞬间产生热膨胀，内孔大于轴径过盈装配量，从而顺利地拆下或装上轴承内套。

使用 WTR 轴承感应拆装加热器拆卸或安装轴承内套只要掌握好加热时间或温度，内套不会退火，不会变形，仍可继续使用。如果采用原始方法（气割或锤击）则无法保证轴承内套的完好无损，由于每个轴承内套价值千元以上，在频繁更换轴承内套的冶金、铁道部行业节约备件费用极为可观，间接增加了企业效益，因此 WTR-C 系列轴承感应拆装加热器无疑不失为理想的轴承内套装拆工具。

WTR 轴承感应拆装加热器，具有自动退磁功能，残磁小于 0.8mT。WTR 轴承感应拆装

加热器有 WTR-C-1、WTR-C-2 两个型号。规格根据轴承内套外形尺寸定。（内套外径和内套宽度）

三、WTR 轴承感应拆装加热器设备组件

WTR-C 系列轴承感应拆装加热器由控制箱和感应头组成。

WTR-C-1 型装拆器感应头电磁线选用耐温-6 度 - 150 度双玻璃丝包线绕组及环氧板外壳体组成。

WTR-C-2 型装拆器感应头则由线圈绕组和 12 组小铁芯、铝合金外壳组合成，当通电对轴承内套加热时 12 组小铁芯在磁力作用下向工件吸进，减小了感应加热圈与工件的间隙相应提高了功率因素。

WTR-C 系列装拆器控制箱时间，温度控制都采用液晶数字显示，能直观地看到加热时间和温度。时间控制由“分”和“秒”二种计时方式。

WTR-C 系列轴承感应拆装加热器有手提式，小车式（中心高可调井字架）2 种形式。采用哪种形式由用户自己定，一般较小双列四列轴承内套（ $\leq \phi 180$ ）可采用手提式，操作较为灵活方便。如较大轴承内套外径（ $\geq \phi 190$ 以上，宽复 ≥ 200 ）在场地许可情况下可采用小车式，中心高可调井字架形式较为轻松、灵活方便。

以上只列举了冶金行业、铁道部行业常用规格部分，尚有其他规格未能一一列举，如冶金行业中轧机轴承非常用规格甚多，铁道部行业牵引电机 17 牙、21 牙小齿轮，机车轴箱轴承、防尘圈均未能列举，只要用户提供有关轴承型号及其名称、规格、参数我厂均能设计生产。

WTR 部分合作客户



WTR 轴承加热器检测报告

青岛市产品质量监督检验研究院
Qingdao Product Quality Supervision and Testing Research Center
检测报告
TEST REPORT

NO. QTC-719001066

共 2 页 第 1 页

样品名称 * Sample Description	轴承加热器	商 标 * Trade Mark	/
规格型号 * Model/Specification	WTR轴承加热器	样品等级 * Sample Grade	合格品
生产单位/地址 * Manufacturer	青岛维科特瑞自动化装备有限公司/		
委托单位/地址 * Client	青岛维科特瑞自动化装备有限公司/青岛市城阳区		
送 样 者 * Sample Delivered by	刘桂曾	生产日期 * Production Date	/
样品数量 Sample Quantity	1台	样品编号 Sample No.	71901066
送样日期 Sample Delivered Date	2017-06-27	检测类别 Test Type	委托检测
检测日期 Test Date	2017-06-29~2017-06-29		
样品状态 Sample Condition	样品完好，运转正常。用于残磁检测的2个轴承分别标有WTR 6314和HRB 6310字样，2个轴承分别编为1#、2#。		
检测项目 Test Items	残磁		
检测依据 Reference Documents for the Test	委托方技术要求		
检测结果 Test Conclusion	该样品本次检测，所检项目符合委托方技术要求。 		
备注 Notes	带*信息由委托方提供 本报告结果仅对来样负责		
批准: Approved by		审核: Verified By	
		主检: Tested By	

青岛
维特瑞
(3)

青岛市产品质量监督检验研究院检测报告附页

№. QTC-719001066

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序号	检测项目	技术要求	检测结果	单项评价
1	残磁	$\leq 0.2\text{mT}$	1#: 0.18mT 2#: 0.18mT	符合

试验说明：

- 试验室环境温度：室温
- 试验方法：JB/T 6641-2007
- 注：由委托方利用轴承加热器对轴承进行加热、退磁，由我院进行残磁值测量。

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青岛维科特瑞
专用章

Certificate of Conformity

Certificate Number: B-S161211658
Low Voltage Directive 2014/35/EU



Holder.....: QINGDAO WEIKETERUI AUTOMATION EQUIPMENT CO., LTD.
ROOM 1108, LIKELAI BUILDING, ZHENGYANG
Address.....: ROAD, CHENGYANG DISTRICT, QINGDAO CITY, SHANDONG,
CHINA
Manufacturer.....: Same as holder
Product.....: Bearing Induction Heater
Model No.....: WTR-2.2-3, WTR-3.5-3, WTR-7.5-3, WTR-20-4,
WTR-60-4, WTR-75-4, WTR-90-4
Technical Data...: 380V~, 50/60Hz, 180A, 90KW

The submitted products have been tested by us with the following standard(s) and found to be in compliance with the listed European Directives.

EN60204-1:2006+A1:2009

The test results apply only to the particular sample tested and to the specific tests carried out. Technical Report and documentation are at the Holder's disposal.
This certificate applies specifically to the sample investigated in our test reference number only. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation. Other relevant Directives have to be observed.



Certification Manager
Date: Dec. 19, 2016



Company No. 07113834



0 5 3 2 4 7 6 8

Beide (UK) Product Service Limited

U.K.: Flat 107, 25 Indescon Square, London, United Kingdom

China: 6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'an Dist, Shenzhen, China

Http://www.szbeide.com E-mail: admin@szbeide.com

Verification of Compliance

Certificate Number: B-E161211659

Equipment Class: FCC Part 15 Class B

Beide
Compliance Laboratory

Holder.....: QINGDAO WEIKETERUI AUTOMATION EQUIPMENT CO.,LTD.

Address.....: ROOM 1108,LIKELAI BUILDING,ZHENGYANG ROAD,CHENGYANG DISTRICT,QINGDAO CITY,SHANDONG,CHINA

Manufacturer.....: Same As Holder

Product.....: Bearing Induction Heater

Model No.....: WTR-2.2-3,WTR-3.5-3,WTR-7.5-3,WTR-20-4,WTR-60-4, WTR-75-4,WTR-90-4

Technical Data....: 380V~,50/60Hz,180A,90KW

This device is in conformance with Part of the FCC Rules and Regulations for Information Technology Equipment. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

We, the responsible party:

QINGDAO WEIKETERUI AUTOMATION EQUIPMENT CO.,LTD

Declare that the product

Bearing Induction Heater

M/N: WTR-90-4



Company No.07113834



Certification Manager
Date: Dec. 19, 2016



Be tested to conform to the applicable FCC Rules and Regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been enforced to assure that all production units of same equipment will continue to comply with the Federal Communications Commission's requirements.

Certificate of Conformity

Certificate Number: B-E161211657
EMC Directive 2014/30/EU



Holder.....: QINGDAO WEIKETERUI AUTOMATION EQUIPMENT CO.,LTD.

Address.....: ROOM 1108,LIKELAI BUILDING,ZHENGYANG ROAD,CHENGYANG DISTRICT,QINGDAO CITY,SHANDONG,CHINA

Manufacturer.....: Same As Holder

Product.....: Bearing Induction Heater

Model No.....: WTR-2.2-3,WTR-3.5-3,WTR-7.5-3,WTR-20-4,WTR-60-4, WTR-75-4,WTR-90-4

Technical Data...: 380V~,50/60Hz,180A,90KW

The submitted products have been tested by us with the following standard(s) and found to be in compliance with the listed European Directives.

EN 61000-6-2:2005;
EN 61000-3-2:2014;
EN 61000-3-3:2013;
EN 61000-6-4:2007+A1:2011

The test results apply only to the particular sample tested and to the specific tests carried out. Technical Report and documentation are at the Holder's disposal.

This certificate applies specifically to the sample investigated in our test reference number only. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation. Other relevant Directives have to be observed.

 
Certification Manager
Date: Dec. 19, 2016



Company No.07113834



0 5 3 2 4 7 0 8

Beide (UK) Product Service Limited

U.K.: Flat 107, 25 Indecon Square, London, United Kingdom

China: 6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'an Dist, Shenzhen, China

Http://www.szbeide.com E-mail: admin@szbeide.com



CERTIFICATE OF CONFORMITY QUALITY MANAGEMENT SYSTEM CERTIFICATION

NO. 10419Q21136R0S

This is to certify that the Quality Management System of

QINGDAO WEIKETERUI AUTOMATION EQUIPMENT CO., LTD.

(Registered Address: No. 8018, Wanxing International Hardware City, Jimo District, Qingdao, China.

Unity Social Credit Code:91370214325992693D Postal Code:266200)

is in conformity with:

GB/T 19001-2016/ISO 9001:2015

This system is valid to:

*** SALES OF BEARINGS, BEARING INDUCTION HEATER, VIBRATION METER. ***

Further clarifications regarding the scope of this certificate and the applicability of GB/T 19001-2016/ISO 9001:2015 requirements may be obtained by this body organization. Certificate in the state regulations administrative license, qualification, mandatory product certification received within the validity period, the regular supervision review of the case effectively. This certificate information is available on the official website of the agency and Certification & Accreditation Administration of the People's Republic of China (www.cnea.gov.cn).

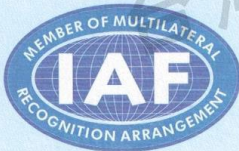
Issue date :2019-07-31

Term of validity: 2019-07-31 TO 2022-07-30

Representative of the company (Director):

S. p. chun

SHANDONG SEATONE
INTERNATIONAL CERTIFICATION
CO., LTD.



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C104-M



Wechat certificate query

first inspection *second inspection* *third inspection*
This certificate will not be legally valid unless the inspection is confirmed
Address: NO.2 Zhuyuan Road, High-tech Zone, Qingdao City, China
Tel: 0532-85781352 Fax: 0532-80779550 Web: www.seatone.cn