



超声测流

节水节能

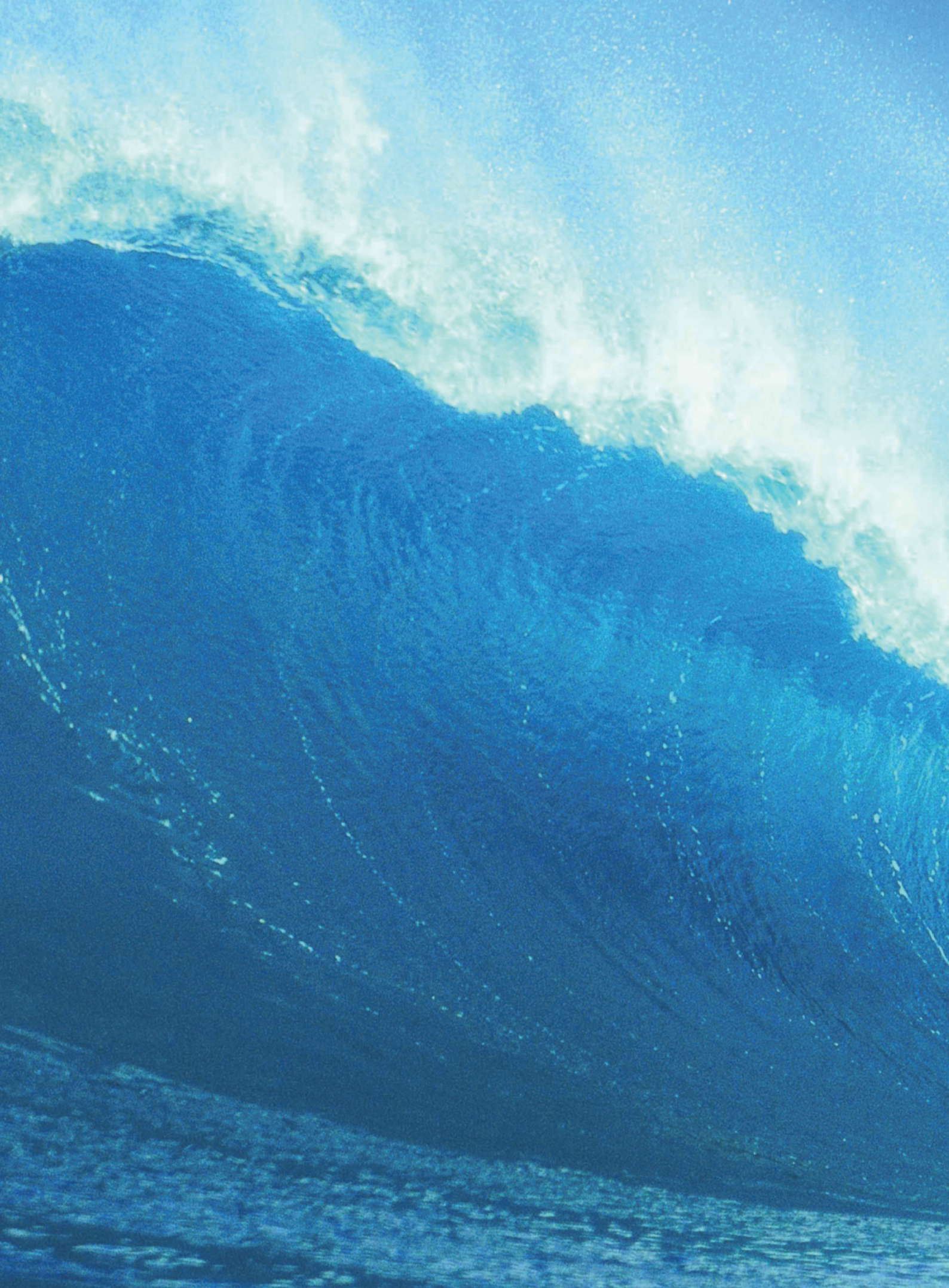
股票名称：汇中股份


股票代码：300371

Stock Name: HUIZHONG

Stock Code : 300371.SZ

汇中仪表股份有限公司
HUIZHONG INSTRUMENTATION CO., LTD.





汇聚四海之精英 中华腾飞为己任

GATHER THE WORLD'S TALENTS
COMMIT TO CHINA'S REVIVAL

公司简介

Company Profile

汇中仪表股份有限公司位于河北省唐山市，是国内超声测流领域的首家上市公司（股票代码：300371，证券简称：汇中股份）。公司成立于1998年，厂区总面积94000平米，建有省级工程实验室，是省级高新技术企业及软件企业，同时汇中仪表股份有限公司检测和校准实验室通过了中国合格评定国家认可委员会（CNAS）认可。

20余年的行业深耕，汇中已成为全球范围内颇具规模的超声测流产品（口径涵盖DN15-DN15000）及配套系统的研发生产制造商，主营产品包括超声水表、超声热量表、超声流量计及配套系统，覆盖从工业到民用，从流量到热量，从中国到世界的多个生产、生活领域。

汇中拥有全部产品的自主知识产权及近百项专利技术，涵盖从终端数据采集到系统研发集成等各个应用环节。先后参与制定《给排水用超声流量计（传播速度差法）》、《热量表》、《超声流量计检定规程》等行业及国家标准。此外，汇中曾研发出中国首台超声热量表及超声水表。2008年，汇中受邀参与国家科技部863“过程控制流量传感器及系统”项目并成功通过验收，在我国高性能传感器的自主研发和产业化能力作出贡献的同时，也标志着汇中技术达到国际先进水平。

作为技术起家的科技创新型企业，汇中在成立之初便选择以技术为先导的发展战略，不但始终掌握着超声测流领域的核心技术，更搭建起了综合实力强大的汇中超声测流产品智能制造平台。依托大数据，汇中已实现智能订单、产品柔性定制、产品全生命周期管理、智能仓储、云服务等，能够全方位、多角度的满足客户需求。

立足本土，放眼国际。汇中将积极发挥自身优势，打造专业、高效、智能的全球化企业。

Huizhong Instrumentation Co., Ltd. was founded in 1994 and ever since its original establishment, the company has grown steadily to its official listing on the Shenzhen Stock Exchange (ChiNext) in 2014 (300371.SZ) with registered capital of CNY120 million.

As the earliest companies to develop ultrasonic flow measurement in China, Huizhong has always been committed to research and development, manufacturing and service of ultrasonic flow measurement products and software supporting solutions. Through more than 20 years of unremitting efforts, Huizhong has become one of the leading R&D and manufacturing base companies in China specializing in Ultrasonic Heat Meters, Ultrasonic Water Meters, Ultrasonic Flowmeters, and Ultrasonic Metering Systems, which owns the largest product series, the strongest technology strength, the widest calibration range (DN15-DN15000). The ultrasonic metering products have covered the production and life fields which from industry to civil, flow to heat, and China to the world.

Huizhong owns all the proprietary intellectual property rights of all products, covering the range of applications from terminal data acquisition to system R&D integration. In addition, Huizhong has also participated in the formulation of industry and national standards, such as "Ultrasonic flowmeter for potable water and drain water (Transmission speed difference method)", "Heat Meter", "Verification Regulation of Ultrasonic Flowmeters".

In the future, Huizhong will constantly improve the ultrasonic flow measurement technology and the capabilities of energy management and system service. Satisfy customers' needs with first-class products and high-end services, and make contributions to the development of global water-saving and energy-saving businesses.



公司简介

Company Profile



HUIZHONG

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发展历程

Development History

- 1994年，汇中公司成立（中院街8号）。
- 1996年，汇中公司扩大规模，迁址“北新西道13号”。
- 1998年，搬迁至清华道，唐山汇中威顿仪表有限公司成立。
- 1999年，中国第一台插入式数字超声流量计研制成功。
- 2000年，承担科技部科技型中小企业技术创新基金——户用超声热量表项目。
- 2002年，中国第一台电池供电户用超声热量表研制成功，填补了国内空白。
- 2003年，第一台超声水表、第一台楼栋用超声热量表研制成功。
- 2006年，汇中公司重新制定市场战略，进入快速发展阶段。
- 2007年，多声道超声流量计研制成功，最大测量管径达到15米，应用到三峡工程水轮机组的实验中。
- 2008年，超声波信号处理功能模块研制成功。
- 2008年，参与国家863计划“过程控制流量传感器及系统”课题。
- 2009年，企业技术中心被认定为省技术研发中心。
- 2010年，完成企业改制，更名为唐山汇中仪表股份有限公司。
- 2011年，荣登福布斯最具潜力企业排行榜。
- 2012年，国家863“过程控制流量传感器及系统”课题验收通过。
- 2013年，新一代户用超声水表研制成功。
- 2014年，首次公开发行人民币普通股股票（A股）并在创业板成功上市。
- 2015年，乔迁新址，公司更名，汇中步入高速发展阶段。
- 2016年，研发无线智能抄表系统APP。
- 2016年，成功研发农田机井专用SCL-61DS超声水表。
- 2017年，推出全系列四声道不锈钢超声水表，优质无缝不锈钢管材+机器人工作站智能精密加工，全方位专利产品。
- 2017年，成功研制NB-IoT户用超声水表，并成功应用于全球首个NB-IoT水表试商用项目。
- 2018年，汇中电磁兼容性实验室成功通过河北省重点工程实验室评审。
- 2018年，汇中二期超声测流产品智能制造加工中心、生产研发中心项目正式落地。
- 2019年，汇中智能超声测流工业设计中心被河北省工业和信息化厅认定为2019年河北省工业设计中心。
- 2019年，汇中仪表股份有限公司检测和校准实验室通过了中国合格评定国家认可委员会（CNAS）认可。
- 2019年，汇中NB-IoT户用超声水表产品由单频段升级为全频段。
- 2019年，汇中基本实现4G和NB-Io技术应用的全系列采集器产品。
- 2019年，汇中完成了直饮水超声水表的开发。
- 2020年，汇中股份智能制造中心正式投产运营。

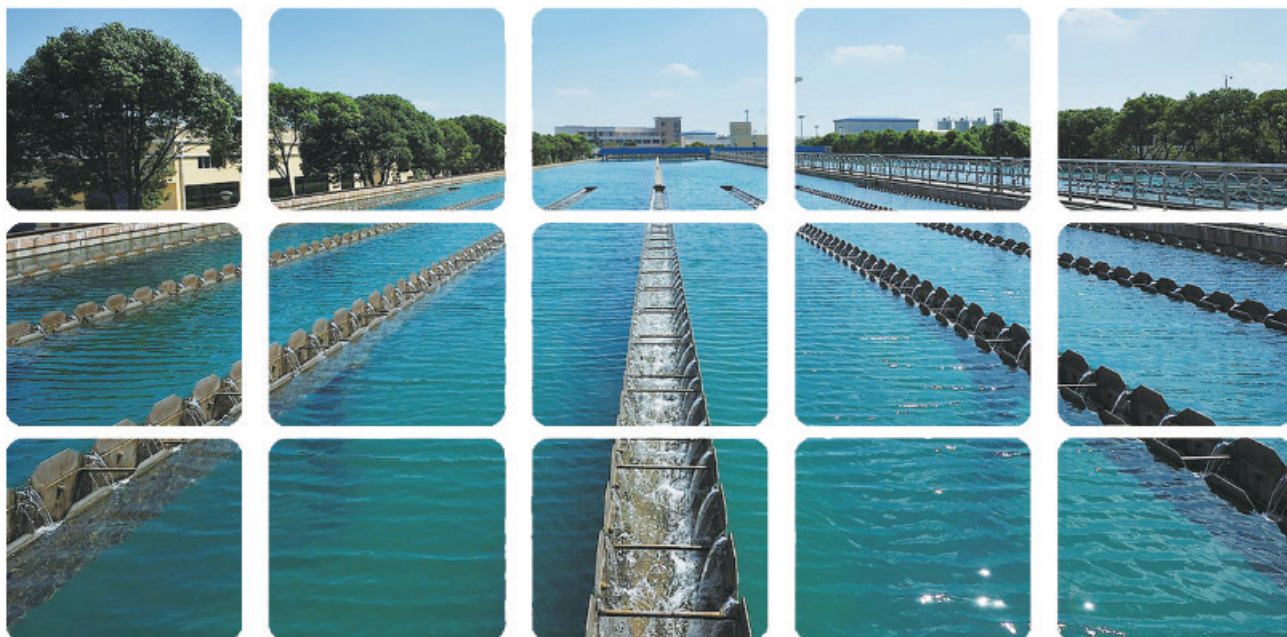
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发展历程

Development History



- 1998- Tangshan Huizhong Wylton Instrumentation Co., Ltd. (TWIC) was founded.
- 1999- The digital ultrasonic flowmeter and high-temperature ultrasonic flowrate transducer were successfully developed.
- 2000- TWIC started the R&D of the household-use ultrasonic heat meter--- A research program assigned by the Ministry of Science & Technology and funded by the Technical Innovation Foundation of the Technology-based Medium and Small-sized Enterprises.
- 2002- The battery-powered household-use ultrasonic heat meter, the first prototype in China, was successfully invented, which filled the void of Chinese technological area.
- 2003- The battery-powered ultrasonic water meter and apartment-use heat meter were successfully invented.
- 2004- The battery-powered dual-sensor insertion-type ultrasonic flowmeter featuring micro-power consumption made its debut.
- 2006- TWIC launched new market strategy and entered the era of rapid growth.
- 2007- TWIC successfully invented the multi-channel ultrasonic flowmeter. it is specifically adaptable to the pipes with the size up to 15-m which was used for testing the water turbine sets of the 3-Gorges Project.
- 2007- The DN600 standard static volumetric flowrate test facility was started into service.
- 2008- TWIC participated in the research of the flowrate sensor and system for process control-a research program listed in the National 863 Plan.
- 2009- The company's technical center was certified as the provincial R&D center .
- 2010- The company changed its name to Tangshan Huizhong Instrumentation Co. Ltd. through restructuring.
- 2011- Huizhong officially being on the Forbes rank of China best potential company.
- 2012- The qualification of the flowrate sensor and system for process control research program listed in the National 863 Plan was certified.
- 2013- A new generation of household-use ultrasonic water meter is successfully developed.
- 2014- For the first time publicly issued CNY common stocks(A-shares),and listed on the market of Shenzhen Stock Exchange.
- 2015- Determined to achieve fast development of company, we moved in modern mansions and renewed the company's name.
- 2016- Huizhong smart wireless meter reading APP is developed.
- 2016- The SCL-61DS series ultrasonic water meter--- a special design for irrigation system metering is completed successfully.
- 2017- The four-channel stainless steel ultrasonic water meter is marked, the patented meters with quality seamless stainless steel and obot intelligent precision machining.
- 2017- The NB-IoT water meter is developed successfully and actually applied in world's first commercial trial project of NB-IoT water meters.
- 2018- Huizhong Electromagnetic Compatibility Laboratory successfully passed the review of Hebei Province Key Engineering Laboratory.
- 2018- Huizhong's second-phase ultrasonic flow measurement product smart manufacturing and processing center and production R&D center project officially completed.
- 2019- Huizhong Smart Ultrasonic Flow Measurement Industrial Design Center was recognized by the Hebei Provincial Department of Industry and Information Technology as the 2019 Hebei Industrial Design Center.
- 2019- The testing and calibration laboratory of Huizhong Instrumentation Co., Ltd. was accredited by the China National Accreditation Service (CNAS)for Conformity Assessment.
- 2019- Huizhong's NB-IoT residential ultrasonic water meter products were upgraded from a single-frequency to a multiple-frequency application.
- 2019- Huizhong basically achieved a full range of data collector products for 4G and NB-IoT technology applications.
- 2019- Huizhong completed the development of ultrasonic water meter for drinking water.
- 2020- Huizhong Smart Manufacturing Center officially puts into operation.
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超声水表/Ultrasonic Water Meter

超声水表采用速度差法，专门为城市供水管道设计，用于供水结算的仪表，是传统机械式水表的换代产品。

针对机械式水表始动流量高、压损大、易损坏等特点，汇中公司把超声测流技术创新应用于供水结算领域，于2003年研制成功超声水表。

应用领域：自来水公司、水利等供水结算领域。

Ultrasonic water meter technically operates on "velocity-difference" principle and is special designed for urban water supply network, it can substitute traditional mechanical water meter.

Compare to ultrasonic water meter, the mechanical water meter suffers from a series of drawbacks, such as high initial flowrate, high pressure loss and vulnerable to use. For tackling these problems, Huizhong successfully developed ultrasonic water meter in 2003. (The term "ultrasonic water meter" is initially defined by Huizhong through innovative application of ultrasonic flow measuring technology), ultrasonic water meter is also much convenience for collecting the data.

Main scope of application: For metering water supply volume and collection of water fees by water supply companies or water conservancy units.



SCL-61H超声水表
SCL-61H Ultrasonic Water Meter



SCL-61D0超声水表
SCL-61D0 Ultrasonic Water Meter



SCL-61D6超声水表
SCL-61D6 Ultrasonic Water Meter



超声热量表/Ultrasonic Heat Meter

超声热量表是利用超声流量换能器和温度传感器测量供水流量及供、回水温度差，进而测量及显示水流经热交换系统所释放或吸收的热量值的仪表。

2002年，汇中公司诞生户用超声热量表，经过十年多的市场实践，其系列产品已广泛应用于家庭及区域供热管网。

应用领域：单位住宅热计量，公建、楼栋热计量，热交换站热计量，热源计量，集中供热（冷）系统热计量，各种热量分配法总量计量。

Ultrasonic heat meter is consist of ultrasonic flow transducers and temperature sensors which can measure the supply water flowrate and the different temperature between supply water and return water, and then measure and display the heat energy either released or absorbed by the water flow central heat exchange system.

In 2002, the residential ultrasonic heat meter was born in Huizhong. Since it's introduced to domestic market for over 10 years, this series meters had widespread used in residential and industrial area.

Main field of application: Heat quantities consumed by individual households in district heating system or central airconditioning system or the heat quantity supplied through large-diameter pipes in industrial sector.



CRL-H户用超声热量表
CRL-H Residential
Ultrasonic Heat Meter



CRL-G管段式超声热量表
CRL-G
Pipe-section-mounted
Ultrasonic Heat Meter



CRL-G插入式超声热量表
(电池供电)
CRL-G Insertion-type
Ultrasonic Heat Meter
(Battery-powered)



CRL-G插入式超声热量表
(交流供电)
CRL-G Insertion-type
Ultrasonic Heat Meter
(Alternating Current)



CRL-G插入式超声热量表
(多声路)
CRL-G Insertion-type
Ultrasonic Heat Meter
(Multi-channel)

产品世界

Product world



超声流量计/Ultrasonic Flowmeter

汇中公司一直致力于超声流量计的研发与制造，其中典型产品有SCL-6、SCL-7、SCL-8及SCL-9四大系列。

应用领域：冶金、石油、化工、电力、煤炭、水泥、环保等流量计量领域。

Huizhong had dedicated to develop and produce ultrasonic flowmeters. The typical series include SCL-6, SCL-7, SCL-8 and SCL-9 ultrasonic flowmeters.

The products are mainly used for flowrate measurement in metallurgical, oil, chemical, electrical power, coal, cement and environmental protection sectors.



SCL-6系列超声流量计
SCL-6 Series
Ultrasonic Flowmeters



SCL-7系列超声流量计
SCL-7 Series
Ultrasonic Flowmeters



SCL-8系列超声流量计
(矿用隔爆兼本质安全型)
SCL-8 Series Mining
Explosion-proof
and Intrinsically-safe
Ultrasonic Flowmeters



SCL-7系列超声流量计
(本质安全型)
SCL-7 Series
Intrinsically-safe
Ultrasonic Flowmeters



SCL-6系列超声流量计
(厂用隔爆兼本质安全型)
SCL-6 Series Plant-use
Explosion-proof
and Intrinsically-safe
Ultrasonic Flowmeters



SCL-9系列超声流量计
SCL-9 Series
Ultrasonic Flowmeters



SCL-8系列超声流量计
SCL-8 Series
Ultrasonic Flowmeters



智慧能源计量管理系统 Smart Energy Metering Management System

无线远程抄表系统是利用通讯公司的网络进行数据无线传输，实现流量/热量计量、监控的系统。该系统通过远程读取水表、流量计或热量表数据，从而实现足不出户监控全局，可以大大提高管理水平，降低管理成本。

The Smart Energy Metering Management System is a system that uses the telecommunication company's network to transmit data wirelessly to achieve flow/heat measurement and monitoring. By remotely reading the data from the water meter, flow meter, or heat meter, the system can proceed with the global monitoring without leaving the desk, which can greatly improve the management level and reduce management costs.



HZG-4系列采集器
HZG-4 Series Collector



HZG-7系列采集器
HZG-7 Series Collector



HZG-9系列采集器
HZG-9 Series Collector



MPM-4120
模拟-数字转换器
MPM-4120
Pressure Transmitter

品质管理

Quality Control

一流的品质

First-rate product quality

从产品元器件的供应采购、生产制作、安全试验、直到出厂检验，任何一个环节上的小疏忽，都可能影响到产品的正常运行，给客户造成不必要的经济损失。用心审视生产流程中的每一处细节，提供给客户最为可靠的产品，始终是汇中人的不懈追求。

Even a slightest error in any link of the manufacture process starting from supply and purchase of elements or parts down to product manufacture, safety test quality inspection before product delivery may affect the normal operation of any delivered product and thus cause the user to suffer unnecessary economic loss. Therefore, to examine closely the particulars of each process link and provide our users most reliable products is a target always pursued by the staff members of Huizhong with unremitting efforts.



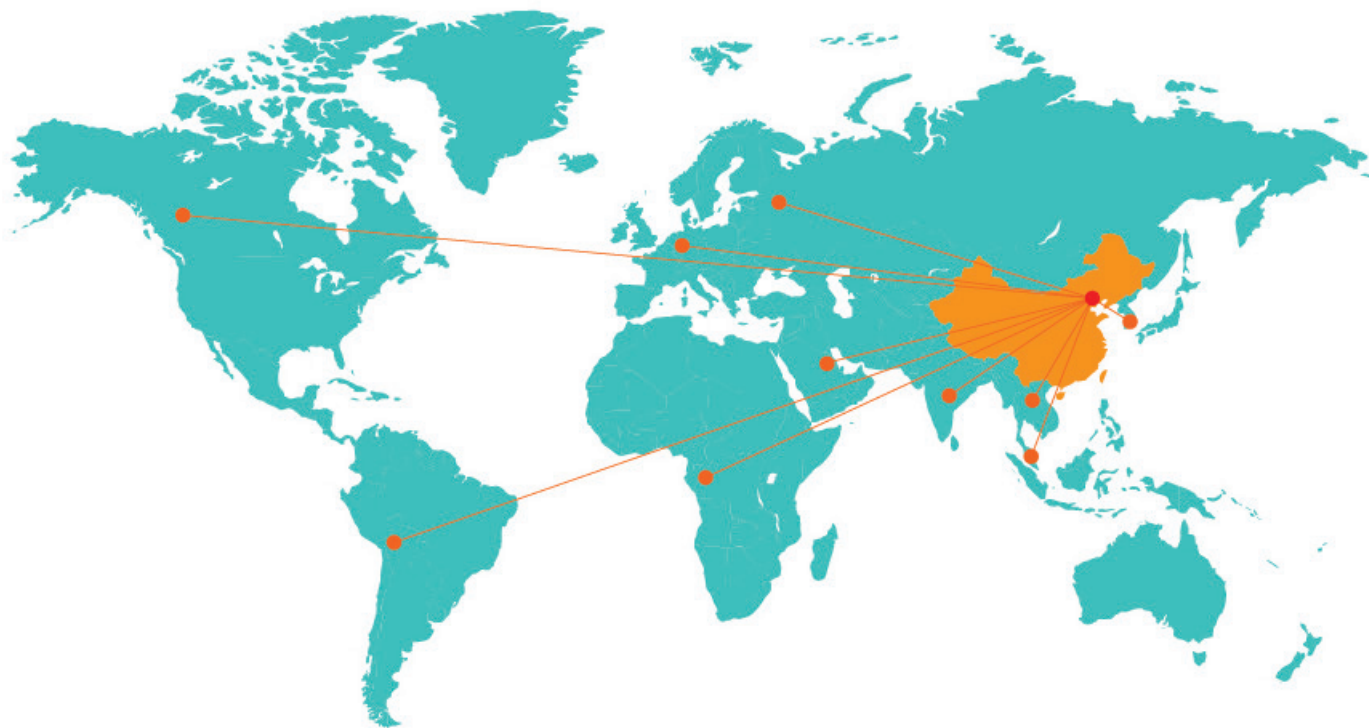
品质管理

Quality Control



完善的营销网络与服务

Perfect Sales Network and Service

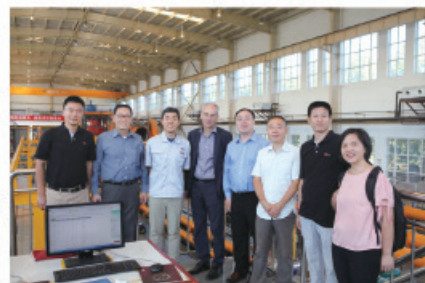
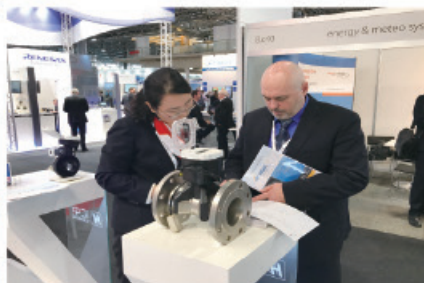


更近的距离，更近的服务

Moving closer and provide instant service to users

在汇中人的不懈努力及客户朋友的大力支持下，我们不仅建立了遍布全国的直销体系与完善的客户服务体系，而且部分产品已远销欧洲、南亚、中东、西亚等地区，成功迈入国际市场，奏响了汇中新千年的华彩乐章。

Through the unremitting efforts made by the staff and workers of Huizhong and the vigorous support of users, Huizhong's products enjoy good sales across China and are even exported to a number of regions including Europe, South Asia, Middle East and West Asia, successfully gaining access to international market. Moreover, a direct selling network and a perfect service network have been established throughout China, enabling Huizhong to gain a further success in the new millennium.



人性化企业文化氛围

Humanized Corporate Cultural Atmosphere

公司内部管理坚持以人为本，充分重视员工潜力。通过企业文化建设，增强公司凝聚力和市场竞争力，推动企业可持续发展。

Huizhong evaluates staff as the most important assets, which can continuously lead the company development.





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