

勤勉立志 开拓创优

*Diligence / Aspiration /
Creativity / Innovation*

Ferrotec (China)

杭州大和热磁电子有限公司 (滨江一工厂)
 地址: 杭州市滨江区滨康路777号
 电话: 0571-86696868 传真: 0571-86697099
 邮编: 310053 网址: www.ferrotec.com.cn

杭州大和热磁电子有限公司 (滨江二工厂)
 地址: 杭州市滨江区滨康路668号
 电话: 0571-86696188 传真: 0571-86696199
 邮编: 310053

上海申和热磁电子有限公司
 地址: 上海市宝山区城市工业园区山连路181号
 电话: 021-36161010 传真: 021-36160065
 邮编: 200444 网址: www.ferrotec.sh.cn

上海汉虹精密机械有限公司
 地址: 上海市宝山区城市工业园区山连路188号
 电话: 021-36162928 传真: 021-36160778
 邮编: 200444 网址: www.hanhong.sh.cn

杭州和源精密工具有限公司
 地址: 杭州市沈半路488号
 电话: 0571-88141293 传真: 0571-88141292
 邮编: 310022 网址: www.wagen.cc

杭州先进石英材料有限公司
 地址: 杭州市滨江区滨康路668号C区1F
 电话: 0571-86695021 传真: 0571-86695024
 邮编: 310053 网址: www.aqmh.com

杭州晶鑫科技有限公司
 地址: 杭州市萧山区杭州江东工业园区青六北路668号
 电话: 0571-82905028 传真: 0571-82905758
 邮编: 311222

富乐德科技发展(天津)有限公司
 地址: 天津市武清区京滨工业园 景军西园2#
 电话: 022-22198500 传真: 022-22198500
 邮编: 301712

宁夏富乐德石英材料有限公司
宁夏银和新能源科技有限公司
 地址: 银川经济技术开发区光明西路23号、25号
 电话: 0951-2019818 传真: 0951-5676445
 邮编: 750021

Hangzhou Dahe Thermo-Magnetics Co., Ltd.(Factory I)
 777 Binkang Road, Binjiang District, Hangzhou, Zhejiang Province 310053, P.R. China
 Tel: +86-571-86696868 Fax: +86-571-86697099
 Http: //www.ferrotec.com.cn

Hangzhou Dahe Thermo-Magnetics Co., Ltd.(Factory II)
 668 Binkang Road, Binjiang District, Hangzhou, Zhejiang Province 310053, P.R. China
 Tel: +86-571-86696188 Fax: +86-571-86696199

Shanghai Shenhe Thermo-Magnetics Electronics Co., Ltd.
 181 Shanlian Road, Baoshan City Industrial Park Shanghai 200444, P.R. China
 Tel: +86-21-36161010 Fax: +86-21-36160065
 Http: //www.ferrotec.sh.cn

Shanghai Hanhong Precision Machinery Co., Ltd.
 188 Shanlian Road, Baoshan City Industrial Park Shanghai 200444, P.R. China
 Tel: +86-21-36162928 Fax: +86-21-36160778
 Http: //www.hanhong.sh.cn

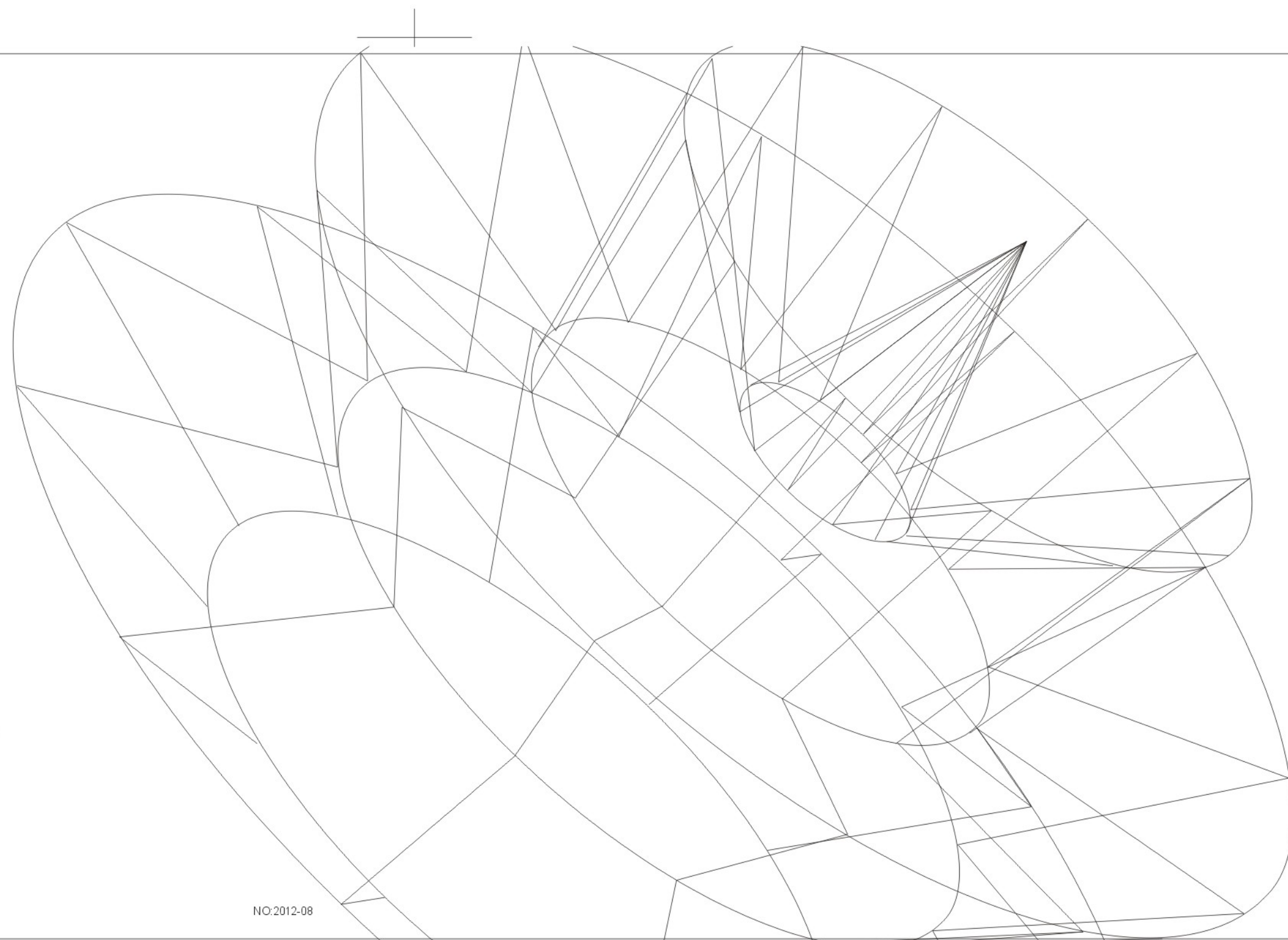
Hangzhou Wagen Precision Tooling Co., Ltd.
 488 Shenban Road, Hangzhou, Zhejiang Province 310022, P.R. China
 Tel: +86-571-88141293 Fax: +86-571-88141292
 Http: //www.wagen.cc

Advanced Quartz Material(Hangzhou) Co.,Ltd.
 1F, C, 668 Binkang Road, Binjiang District, Hangzhou, Zhejiang 310053, P.R.China
 Tel: +86-571-86695021 Fax: +86-571-86695024
 Http: //www.aqmh.com

Hangzhou Solartech Co., Ltd.
 668 Qinliubei Road, Xiaoshan Jiangdong Industrial Park, Hangzhou, Zhejiang 311222, P.R.China
 Tel: 0571-82905028 Fax: 0571-82905758

Ferrotec (Tianjin) Technology Co., Ltd
 #2 Jingjun xiyuan Jingbin Industrial Park, Tianjin 301712, P.R.China Wuqing District,Tianjin P.R.China
 Tel: 022-22198500 Fax: 022-22198500

Ferrotec (Ningxia) Advanced Quartz Material Co.,Ltd.
Ferrotec (Ningxia) New Energy Co.,Ltd.
 23. 25 Guangming West Road, Yinchuan Economic and Technological Development Zone,
 Yinchuan, Ningxia 750021,P.R.China
 Tel: 0951-2019818 Fax: 0951-5676445



NO.2012-08

Ferrotec

Ferrotec (中国)

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勤勉立志 开拓创佳

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总经理致辞

President's Address

中国融入世界经济格局的速度为世瞩目，而世界同样也在分享着中国经济成长的果实。从上个世纪90年代初发展而来，Ferrotec(中国)，一如中国众多企业，在全球经济格局一体化的大环境下，也被带入到一个全新的领域和一个前所未有的高度。

游走在中国古老的传统文明和西方先进的科技文明之间，这些年来，我们也一直在探索如何实现跨越式发展，以及发挥后发优势的问题。所谓“中学为体，西学为用”，Ferrotec(中国)既是这一思想的积极倡导者，更是努力实践和亲身经历者。我们的文化起点源于中国，我们的核心技术来源国际高端领域，我们的经营视野展望世界全球。

我们在全心经营热电致冷材料、半导体材料及配套设备、太阳能材料及发电配套设备，精密数控机床设备等高科技产业领域的同时，不断提升产业质量品牌及提高技术服务能力，并努力为国内外客户提供一流服务，从而为跻身具有国际一流水准的规模型集团企业，做好积极准备。

“风物长宜放眼量”，如何发展，如何更好的发展，如何和谐持续的发展……我们始终站在发展的前沿思考问题。我们视产品质量为企业发展的生命线，我们视发展的每一年都为再创业之年。“勤勉、立志、开拓、创优”的信念，将把我们带向更加美好的明天。努力打造拥有自主知识产权的产品及全面实现Ferrotec(中国)集团转型，我们依然任重而道远。

Whilst China is integrating into the world economy at a much admired rate, the world has, in return, benefited from the country's economic growth. Like many Chinese enterprises, Ferrotec (China) has entered uncharted waters and reached an unprecedented position within the economic matrix of the global economy since the early 1990s.

Exposed to epochs of Chinese civilization as well as to advanced Western technology, we have been exploring methods of growth and development as a nascent enterprise. Ferrotec (China) has been living out, experiencing & advocating the motto: "Based in China, supplying to the world". China is our cultural origin. We also have state-of-the-art core technologies and we have the entire world within our business horizon.

With our expertise in high-technology industries such as thermoelectric refrigeration materials, semiconductor materials and accessories, solar power generation equipment and materials as well as numerically-controlled machinery, we ceaselessly raise our quality level and brand reputation as well as our technological and service capabilities, providing first-rate services for customers at home and abroad. With this background, we are ready to become a world-class enterprise.

On the frontiers of development, we are continually evaluating how to achieve growth and improvement as well as how to develop in a harmonious and sustainable manner. We consider product quality as vital to our business. We think of every year as a year to start anew. We believe in "diligence, aspiration, creativity and innovation" to bring us to a brighter future. our goal is to create products with independent intellectual property rights and to fully transform ferrotec (china).



贺贤汉 Ferrotec(中国)总裁

He Xianhan Ferrotec China President

男，祖籍浙江舟山，现任日本磁性流体技术股份有限公司 (Ferrotec Corporation) 取締役副社长，杭州大和热磁电子有限公司、上海申和热磁电子有限公司、杭州和源精密工具有限公司副董事长兼总经理，上海汉虹精密机械有限公司、杭州先进石英材料有限公司、杭州晶鑫科技有限公司、宁夏富乐德石英材料有限公司、宁夏银和新能源科技有限公司、富乐德科技发展(天津)有限公司董事长。

Male; Zhoushan, Zhejiang; Currently Executive Vice President of Ferrotec Inc., Deputy Director of Hangzhou Dahe Thermo-Magnetics Co.Ltd., Shanghai Shenhe Thermo-Magnetics Electronics Co.Ltd., Hangzhou Wagen Precision Tooling Co.Ltd.; Director of Shanghai Hanhong Precision Machinery Co.Ltd.; Director of Advanced Quartz Material (Hangzhou) Co.,Ltd.; Director of Hangzhou Solartech Co.,Ltd.; Director of Ferrotec (Ningxia) Advanced Quartz Material Co.,Ltd. Director of Ferrotec(Ninxia) New Energy Co.,Ltd. Director of Ferrotec(Tianjin) Technology Co.,Ltd.

勤勉立志 开拓创佳

Dilligence / Aspiration /
Creativity / Innovation

全球分布

Ferrotec Worldwide

欧洲

Ferrotec GmbH (Germany)

Ferrotec S.R.L (Italy)

Ferrotec S.A.(Spain)

Ferrotec Ltd. (UK)

Ferrotec SARL(France)

Ferrotec NORD(Russia)

新加坡

Ferrotec Corporation Singapore Pte, Ltd.

Ferrotec 集团简介

总社：日本磁性流体株式会社

创建时间：1980年

地点：日本 东京

上市时间：1996年 日本JasDaq上市

跨国机构：中国、美国、德国、英国、
西班牙、意大利、新加坡、日本、韩
国、法国等国家和地区设立公司与研
发机构

杭州大和热磁电子有限公司
杭州先进石英材料有限公司
杭州和源精密工具有限公司
杭州晶鑫科技有限公司
上海申和热磁电子有限公司
上海汉虹精密机械有限公司
上海汉虹国际贸易有限公司
宁夏银和新能源科技有限公司
宁夏富乐德石英材料有限公司
富乐德科技发展(天津)有限公司

中国

日本

株式会社フェローテック(东京)

株式会社フェローテックセラミックス(东京)

美国

Ferrotec(U.S.A) Corporation
Ferrotec Material Solutions, Inc.

韩国

Ferrotec Green Energy Korea Corporation

中国台湾

台湾飞罗特股份有限公司

Ferrotec Corporation

Founded: 1980

Headquarters: Tokyo, Japan

Listed: JASDAQ 1996

International Branches and Offices: Offices
and R&D centres are located in China,
USA, Germany, UK, Spain, Italy,
Singapore, Japan, Korea, France and other
Countries.

根据 Ferrotec 总社 JasDaq 上市公司要求，本公司自
2008年1月导入 Sarbanes Oxley (SOX) 法内部统制管理。

Pursuant to JASDAQ listing rules for Ferrotec headquarters, Ferrotec (China) adopted
Sarbanes-Oxley (SOX) Act internal administration standards in January 2008.

前言

Preface

20世纪80年代开始，中国的改革开放为全世界众多的企业提供了一个前所未有的发展机遇。Ferrotec敏锐地洞察到中国将给未来世界的制造产业带来勃勃生机。

1992年，Ferrotec承载着中国梦想，决定将公司的制造向中国进行战略性地转移，Ferrotec 在中国从此展开了令世人瞩目的崭新篇章。

秉持“勤勉、立志、开拓、创优”的信念，坚持品质至上的理念，依托科学严谨的管理，Ferrotec在中国不断地创造着一个又一个的奇迹。

从最初的热电制冷器加工开始，经过二十年的辛勤耕耘，Ferrotec在中国如今已发展成为一个涉及多个领域的、集研发、制造和服务为一体的集团公司，不断地为全世界客户提供品质卓越的产品和服务。

China's reforms and subsequent opening to the world in the 1980's created an unprecedented opportunity for businesses worldwide. Ferrotec foresaw that China would revitalise the world's manufacturing sectors.

In 1992, Ferrotec decided to relocate its manufacturing plants to China as a strategic move, opening a monumental new chapter in its corporate history.

With a belief in "diligence, aspiration, creativity and innovation", an insistence of putting quality first alongside sound management, Ferrotec has made history in China time and time again.

After twenty years of hard work, starting with thermoelectric refrigerator processing, Ferrotec has become a multifaceted group integrating R&D, production and service in China, providing high-quality goods and services to customers all over the world.





Quality makes excellence

The persistent pursuit of quality has made Ferrotec (China) successful.
Step by step, over many years, Ferrotec has created a world-renowned brand name.

品質 彰顯卓越

坚持对品质的执著追求，谱写了Ferrotec(中国)的辉煌。

经年累月，如水滴石穿，镌刻出享誉全球的品牌信誉。

Quality is vital to our enterprise
质量为企业生存之根本 质量为企业发展之灵魂
and is essential to our growth

FerroTec



质量第一的理念，贯穿于产品制造的每一个环节。Ferrotec(中国)专注于产品质量的持续改善与提升，不断地满足并超越客户的需求。

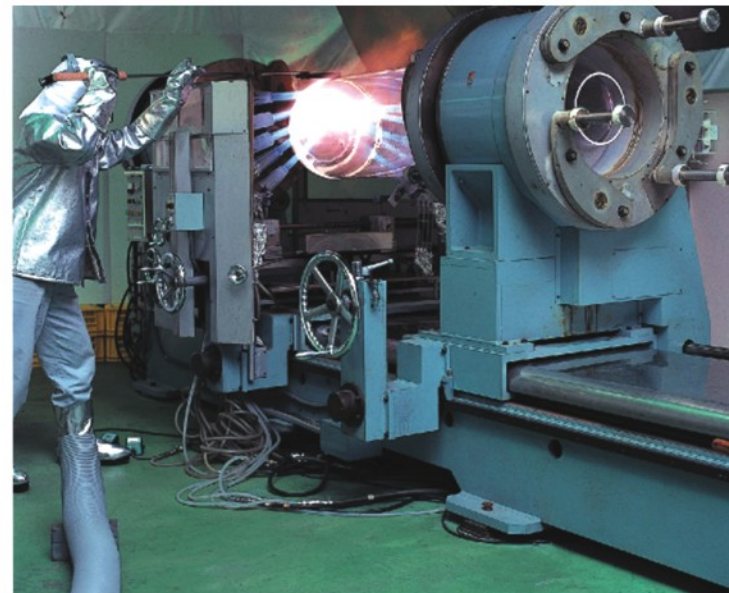
The philosophy of putting quality first is realized in every process of production. Ferrotec (China) devotes itself to ceaseless improvement in product quality to exceed the customer's expectations.



氦质谱检漏检测 Helium Leak Test



真圆度检测 Roundness Test



旋盘作业 Glass Lathing



平坦度检测 Evenness Test



TE 生产现场 TE Workshop



净空房工作现场 Clean Room



七槽洗净 Seven-Tub Cleaner



数控加工中心 NC Machining Centre



Quality is what we use to build our reputation and customer base

以质量树企业之信誉 以质量赢全球之宾朋

FerroTec



对质量坚持不懈的追求，使Ferrotec(中国)的产品和服务享誉全球，为Ferrotec(中国)赢得了客户长期的支持和信赖。

Constant pursuit of high quality makes Ferrotec (China)'s products and services renowned worldwide, consistently winning customers' support and trust.



AMAT/TEL/KE/LAM CERTIFICATION





Technology makes dreams come true

Ceaseless technological innovations take Ferrotec (China) to the top.
Vision and accumulation of know-how
makes Ferrotec soar to new heights with its customers.

技術 成就 夢想

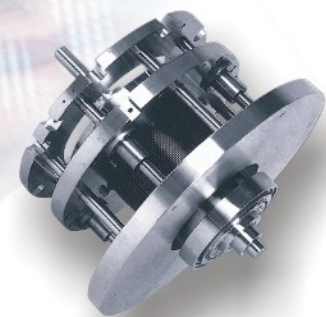
一种境界，源于技术的不断创新，Ferrotec(中国)攀登技术的巅峰。
高瞻远瞩，厚积薄发，成就了Ferrotec与客户一起飞跃的梦想。

Diversified 多元化 的产业结构

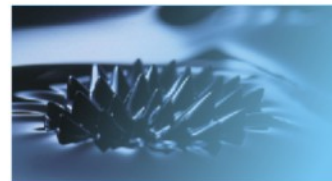
雄厚的技术沉淀和不断的技术突破，形成了Ferrotec(中国)多元化的产业结构。

The accumulation of know-how and ceaseless technological advances have bestowed upon Ferrotec (China) a diversified corporate structure.

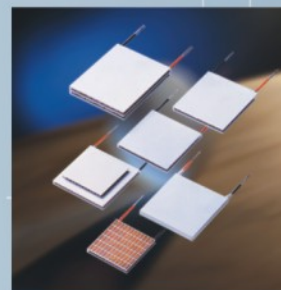
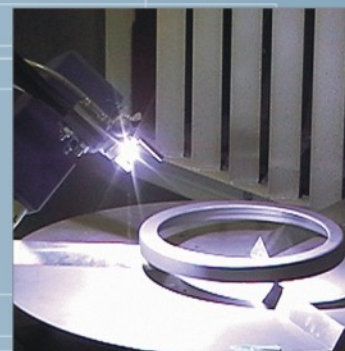
- 热电半导体材料和热电制冷器件
- 覆铜陶瓷基板
- 磁性流体真空传动装置及真空法兰
- 精密机械零部件加工
- 精密陶瓷
- 精密石英制品
- 金属表面处理
- 大型真空腔体
- 半导体单晶硅切片、磨光、抛光片
- 大型数控设备制造
- 太阳能单晶硅片、多晶硅片
- 单晶炉和多晶炉制造
- 太阳能电池材料制造



Ferrotec



- Thermoelectric semiconductor materials and refrigeration
- DBC Substrate
- Vacuum feedthroughs and vacuum flanges
- Precision mechanical parts and components
- Fine ceramics
- Fabricated quartzware
- Metal surface treatment
- Large - scale vacuum chamber
- Semi-grade single crystal silicon sliced wafer, lapped wafer, and polished wafer
- Large numerically controlled equipment
- Solar-grade single crystal wafer & solar-grade multi crystal wafer
- Single and multi crystal furnaces
- Solar cell materials



Specialized industry development

专业化 的产业发展理念

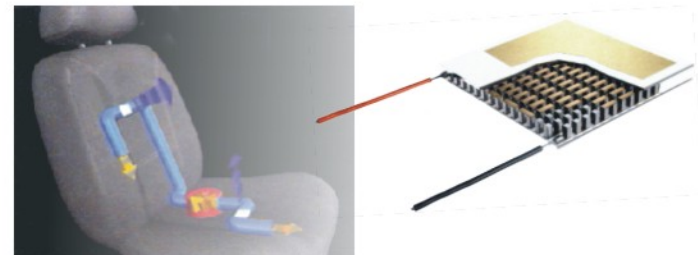
满足客户的需求是Ferrotec不变的追求，为客户提供更专业、更全面的产品和服务理念，使Ferrotec(中国)在热电制冷领域、半导体、光伏等领域不断发展，逐步形成了从零部件、整机研发到设计咨询以及从材料、消耗品、产品到管理咨询为一体的专业而完整的产业链。

Satisfying the customer's needs is the constant goal of Ferrotec (China). Ferrotec (China) thrives on providing ever more comprehensive products and services to its customers in the fields of thermoelectric refrigeration, semiconductor and photovoltaic supplies. The Ferrotec Corporation has gradually developed a professional and complete industry chain covering a very wide range from components to complete machine development, from materials, consumables and products to management consultation.

热电制冷产业 Thermoelectric refrigeration industry

从热电半导体材料、覆铜陶瓷基板、热电制冷器件到热电制冷单元，Ferrotec(中国)已成为热电制冷领域最专业的供应商和业界的领导者，Ferrotec的热电制冷产品在汽车、光通讯、医疗器械、仪器仪表、家电和航空航天等领域备受客户青睐。

From providing thermoelectric semiconductor materials, direct-bond copper substrates and components for thermoelectric refrigerators to supplying thermoelectric refrigerator units, Ferrotec (China) has become the most professional supplier and industry leader in thermoelectric refrigeration. Ferrotec's thermoelectric refrigeration products are highly popular in the automotive, optical communication, medical device, instruments and meters, home electric appliance, aviation and space industries.



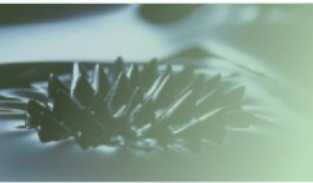
半导体产业 Semiconductor industry

在半导体领域，Ferrotec(中国)不仅为客户提供了品质卓越的半导体硅抛光片、石英坩埚、磁性流体真空传动装置、精密石英等制品，同时也提供高精度的精密机械和精密陶瓷零部件的加工，以及零部件的化学洗净、硬质阳极氧化和电镀等服务，为半导体设备制造商提供一整套产品解决方案和配套服务。

In the semiconductor industry, apart from high-quality silicon wafers, quartz crucibles, vacuum feedthroughs, fabricated quartzware, etc., Ferrotec (China) also provides high-precision machine tooling and fine ceramics as well as chemical cleaning, hard anodization and plating services. Ferrotec offers a complete set of solutions and services for semiconductor Equipment manufacturers.



Ferrotec



光伏产业 Photovoltaic industry

Ferrotec(中国)将保护地球环境作为企业发展的使命，积极推进环保产业的发展。在太阳能光伏领域，Ferrotec(中国)提供太阳能关联产业整体解决方案。

Ferrotec(China) makes ecological responsibility part of its corporate mission, actively promoting the development of environmentally friendly industries. From materials and components to integrated systems, Ferrotec's portfolio offers a broad range of solutions for the PV industry.



Soaring to new heights with innovation

With continual advance and innovation over an entire decade, Ferrotec (China) holds fast to the philosophy of making quality its foundation and making technology its vanguard. It gathers professionals in various fields such as materials, electronics, computer, software and thermal energy. It runs R&D departments in various areas, and has established a global sales and service network. Today Ferrotec (China) has grown from a simple manufacturer to a group of companies integrating R&D, production, sales and service sectors.

开拓进取 勇攀高峰

十年磨一剑，卓尔不群。Ferrotec(中国)坚持以质量为基础、以技术为先导的理念，汇集了材料、电子、计算机、软件、热能等各类专业人才，拥有多个领域的技术研发部门，建立了遍布全球的销售服务网络。如今Ferrotec(中国)已从最初的单一制造公司发展成为具有研发、制造、销售和服务的集团舰队。



中国

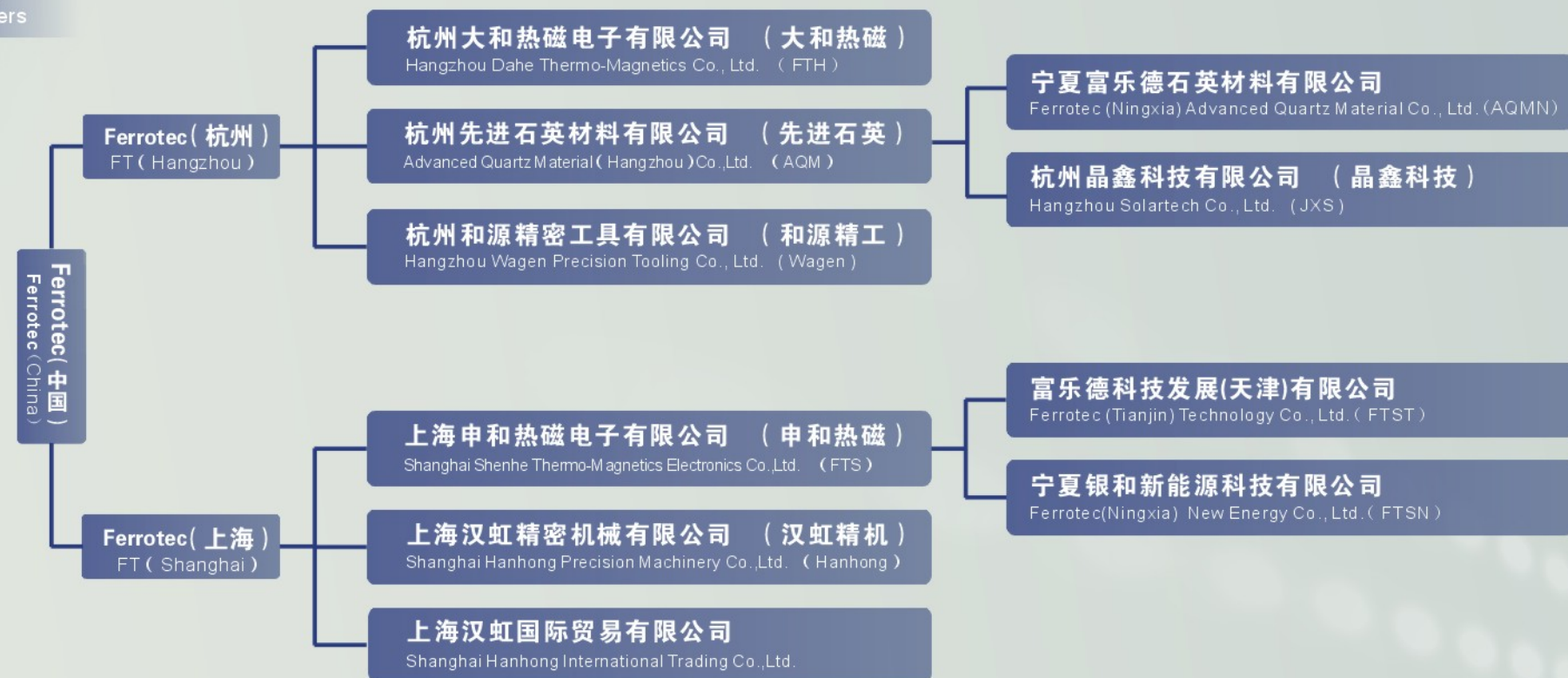
杭州大和热磁电子有限公司
 杭州先进石英材料有限公司
 杭州和源精密工具有限公司
 杭州晶鑫科技有限公司
 上海申和热磁电子有限公司
 上海汉虹精密机械有限公司
 上海汉虹国际贸易有限公司
 宁夏银和新能源科技有限公司
 宁夏富乐德石英材料有限公司
 富乐德科技发展(天津)有限公司

Ferrotec (China) branches:

Hangzhou Dahe Thermo-Magnetics Co., Ltd. (FTH)
 Advanced Quartz Material (Hangzhou) Co., Ltd. (AQM)
 Hangzhou Wagen Precision Tooling Co., Ltd. (Wagen)
 Hangzhou Solartech Co., Ltd. (JXS)
 Shanghai Shenhe Thermo-Magnetics Electronics Co., Ltd. (FTS)
 Shanghai Hanhong Precision Machinery Co., Ltd. (Hanhong)
 Shanghai Hanhong International Trading Co., Ltd.
 Ferrotec(Ningxia) New Energy Co., Ltd. (FTSN)
 Ferrotec (Ningxia) Advanced Quartz Material Co., Ltd. (AQMN)
 Ferrotec (Tianjin) Technology Co., Ltd. (FTST)

集团成员

Group Members





杭州大和热磁电子有限公司 Hangzhou Dahe Thermo-Magnetics Co., Ltd.

杭州大和热磁电子有限公司系日本Ferrotec Corporation在中国的旗舰子公司。下设热电、真空、石英、陶瓷、光伏五大事业部。

Hangzhou Dahe Thermo-Magnetics Co. Ltd is a flagship subsidiary of Ferrotec Corporation in China. It is comprised of five departments, namely thermoelectrics, vacuum technologies, quartz, ceramics and PV.

- 1、成立时间：1992年
- 2、注册资金：69亿日元
- 3、建筑面积：102,005平方米
- 4、员工总数：2200人

- 1、Founded: 1992
- 2、Nominal Capital: JPY 6.9 billion
- 3、Building area: 102,005 m²
- 4、Number of employees: 2200



热电事业 Thermoelectrics

主要产品：各种热电半导体制冷器及其组件。
Main products: Thermoelectric semiconductor refrigerators; their parts and components.



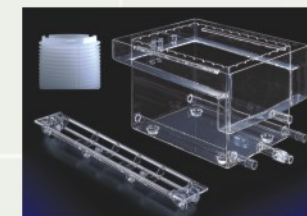
真空技术事业 Vacuum Technology

主导业务：专业从事真空零部件、真空腔体、电子束蒸发镀膜机等的制造、研发和销售。
Main business: Production, R&D and sale of vacuum components, vacuum chambers and deposition system.



石英事业 Fabricated Quartzware

主导业务：批量生产半导体制造用的各种高纯度石英管、石英舟、石英水槽、石英机加工品。
Main business: Batch production of high-purity quartz tubes, quartz carriers, quartz tanks and processed quartz products for the semiconductor manufacturing industry.



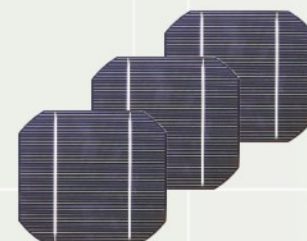
陶瓷事业 Fine Ceramics

主导业务：用于精密半导体及电子加工设备的高纯度陶瓷材料与产品的开发、生产和销售。
Main business: Development, production and sale of high purity ceramic material and components used in precision semiconductors and electronic processing equipment.



光伏事业 PV

主导业务：研发和生产硅晶太阳能电池产品。
Main business: Production and R&D of silicon solar cells.



硅事业 Silicon

主导业务：半导体制造用的高纯的单晶硅及多晶硅喷射管、舟、保温筒、内管等硅制品。
Main business: High purity silicon furnaceware for semiconductor industry, including injector, boat, pedestal, liner etc.





上海申和热磁电子有限公司

Shanghai Shenhe Thermo-Magnetics Electronics Co., Ltd.

上海申和热磁电子有限公司作为日本Ferrotec Corporation在中国的另一旗舰子公司。下设太阳能硅片、半导体硅片、TE和表面处理四个事业部。

Shanghai Shenhe Thermo-Magnetics Electronics Co. Ltd. is another flagship subsidiary of Ferrotec Corporation in China. It comprises four departments, namely PV wafer, semiconductor wafer, thermoelectrics and surface treatment.

- 1、成立时间：1995年
- 2、注册资金：76.8亿日元
- 3、建筑面积：44,151平方米
- 4、员工总数：1180人

- 1、Founded: 1995
- 2、Nominal Capital: JPY 7.68 billion
- 3、Building area: 44,151 m²
- 4、Number of employees: 1180

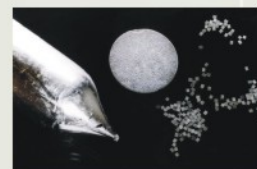


TE 事业

Thermoelectrics

主导业务：热电半导体材料与覆铜陶瓷基板（DBC）两种高科技新型材料的生产和销售。

Main business: Production and sales of novel materials, namely semiconductor refrigeration materials and SDBC.



表面处理事业

Surface treatment

主导业务：提供精密零部件精密洗净再生和电镀服务，主要适用于半导体和光电等相关产业。

Main business: Plating services and the precision cleaning and refurbishment of precision parts, mainly for the semiconductor and optoelectronics related industries.



太阳能硅片事业

PV wafer

主导业务：生产8英寸以下(含8英寸)各种规格太阳能级单晶硅棒及相应的单晶硅片和156mm*156mm等规格的多晶硅锭及相应的多晶硅片。

Main business: Various types and specifications of solar-grade single crystal silicon ingots and single crystal wafers of 8" and below, multi crystal silicon blocks and multi crystal wafers of 156*156mm, etc.



半导体硅片事业

Semiconductor wafer

主导业务：主要生产半导体集成电路、分立器件、MEMS领域所需的单晶硅衬底片。主要品种为N型重掺砷As、锑Sb以及P型轻掺硼B单晶，4、5、6英寸抛光片。

Main business: Semiconductor silicon wafer applied for IC, discrete device and MEMS industry. Main product is N-type As⁺, Sb⁺, and P-type B⁻, 4, 5, 6 inch polishing wafer.





上海汉虹精密机械有限公司

Shanghai Hanhong Precision Machinery Co., Ltd.

上海汉虹精密机械有限公司前身为上海申和机加事业部，2005年起开始光伏产业专用配套设备的研发、生产和销售。是Ferrotec(中国)近年来崛起的重要新生力量。

With the Machining Division of Shanghai Shenhe Thermo-Magnetics Electronics Co. Ltd. as its precursor, Shanghai Hanhong Precision Machinery Co. Ltd. Started R&D, manufacturing and sale of accessories for the photovoltaic industry in 2005. It is a rising force within Ferrotec (China).

- 1、成立时间：2005年
- 2、注册资金：1200万美元
- 3、建筑面积：21,399平方米
- 4、员工总数：280人

- 1、Founded: 2005
- 2、Nominal Capital: USD 12 million
- 3、Building area: 21,399 m²
- 4、Number of employees: 280

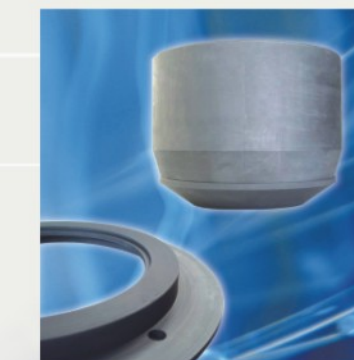
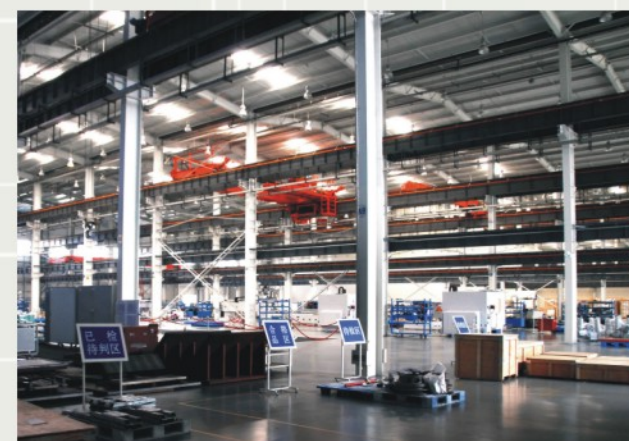


太阳能装备事业

Solar Equipment

汉虹公司太阳能装备事业部成立于2006年，主要从事单晶硅炉（用于拉制电路级和太阳能级硅单晶棒）、太阳能级多晶硅铸锭炉、开方机等光伏产业专用制造设备的研发制造。

The Solar Equipment Division of Hanhong was established in 2006. Its main business is R&D and manufacturing of specialist equipment used in the photovoltaic industry such as silicon single crystal furnaces (to extrude circuit- and solar-grade silicon crystal rods), solar-grade multi-crystal furnaces and wire saw squaring machines.



The logo for FerroTec, featuring the word "FerroTec" in a white, sans-serif font. The letter "r" is stylized with a red dot above it. The background is dark with a red and white diagonal gradient on the left side.

FerroTec

The logo for FerroTec, featuring the word "FerroTec" in a white, sans-serif font. The letter "r" is stylized with a red dot above it. The background is dark with a red and white diagonal gradient on the left side.

FerroTec



杭州先进石英材料有限公司

Advanced Quartz Material (Hangzhou) Co., Ltd.

杭州先进石英材料有限公司是由日本磁性技术株式会社与杭州大和热磁电子有限公司共同投资组建的中外合资企业。

本公司采用先进的国际先进加工工艺，专业生产AQM-10系列，AQM-20系列，AQM-30系列，AQM-40系列等四大系列石英坩埚，产品规格从14”-24”。

Advanced Quartz Material (Hangzhou) CO.,LTD. (AQM) is a joint venture corporation founded by Ferrotec Corporation, Hangzhou Dahe Thermo-Magnetics Co.,Ltd.

AQM having R&D, manufacturing and sales ,related products: Quartz crucibles from 14” to 24” .Quartz crucibles products lines are AQM-10, AQM-20, AQM-30, AQM-40 etc.



注册资本: 12.6亿日元

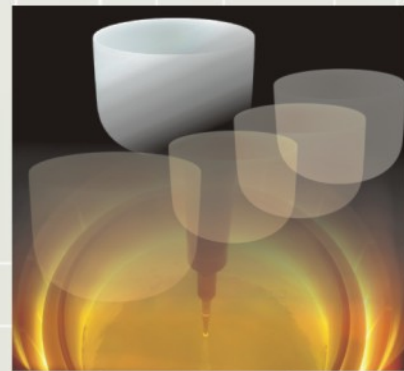
创立时间: 2006年11月

主要产品: 半导体、太阳能、特种玻璃用高质量石英坩埚和石英方槽。

Nominal Capital: JPY 1.26 billion

Founded: November 2006

Major products: Semiconductors, photovoltaics and silicon quartz crucibles and tanks for specialist glass material

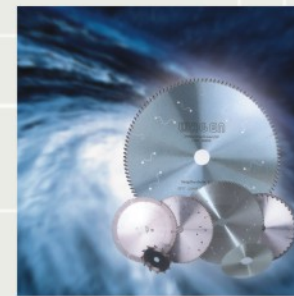


杭州和源精密工具有限公司

Hangzhou Wagen Precision Tooling Co., Ltd.

主导产品“和源”牌硬质合金锯片和金刚石刀具，广泛应用于铝合金、木材加工、家具制造、有机玻璃等行业。已有自行设计、制造常规与超薄锯片规格达3000多种，更可根据客户特殊要求进行定制加工。是中国国内唯一一家专业从事高端精密工具自主研发、生产、销售的切削工具大型企业，拥有每年四十万枚硬质合金锯片的生产能力。

The main product of Hangzhou Wagen is the Wagen carbide-tipped saw blade and PCD tools, widely used in the aluminium alloy, woodworking, furniture making and acrylic industries. It has designed and manufactured more than three thousand types of regular and ultra-thin saw blades as well as products made to order. It is the only major Chinese enterprise in the cutting tools industry that specialises in independent R & D, production and sales of high-end precision tools, with the capacity to produce four hundred thousand pieces of carbide-tipped saw blades per year.



注册资本: 5.42亿日元

创立时间: 2005年4月

主要产品: 研制、开发、生产金刚石锯片、硬质合金锯片及各类工具系列产品。

Nominal Capital: JPY 542 million

Founded: April 2005

Major business: R&D and production of diamond saw blades, carbide saw blades and other tool product lines.





杭州晶鑫科技有限公司

Hangzhou Solartech Co., Ltd.

杭州晶鑫科技有限公司是由日本Ferrotec株式会社，日本Covalent株式会社，杭州先进石英材料有限公司三方合资。主要产品:多晶石英坩埚系列产品的研发、制造和销售。

Hangzhou Solartech Co., Ltd. (Solartech) is a joint venture of Ferrotec Corporation, Covalent Corporation and Advanced Quartz Material (Hangzhou) Co., Ltd. Major products: Development, production and sales of multi crystal quartz crucible products.

注册资本: 2000万美元
成立时间: 2010年09月
建筑面积: 28,818平米

Nominal Capital: US\$ 20 million
Founded: September 2010
Building area: 28,818 m²



富乐德科技发展(天津)有限公司

Ferrotec (Tianjin) Technology Co., Ltd

富乐德科技发展(天津)有限公司的是上海申和热磁电子有限公司在中国北方地区全额投资的一家独立公司，目前的主导业务为精密零部件的洗净、再生服务，涉及范围包含：半导体、太阳能、TFT。

Ferrotec (Tianjin) Technology Co., Ltd, invested by Shanghai Shenhe Thermo-Magnetic Electronics Co., Ltd, is the first manufacture basement located in Northern China area. The currently scope focus on the precision parts clearing & its recycling, mainly fields involved in Semiconductor, Solar Energy, and TFT.

注册资金: 2000万人民币
成立时间: 2011年06月
厂房面积: 3,944平米

Registered: RMB 20 million
Established: June, 2011
Factory Area: 3,944m²



宁夏富乐德石英材料有限公司

Ferrotec (Ningxia) Advanced Quartz Material Co., Ltd.

宁夏富乐德石英材料有限公司是杭州先进石英材料有限公司在宁夏回族自治区银川经济技术开发区投资的全资子公司。公司拥有一千级的超级净空房等国内一流的坩埚自动化生产设备，预计具有预计年产12万只单晶坩埚的产能。

Ferrotec (Ningxia) Advanced Quartz Material Co., Ltd. is located in the Yinchuan Economic and Technological Development Zone of Ningxia Hui Autonomous Region and is a wholly owned subsidiary of Advanced Quartz Material (Hangzhou) Co., Ltd. The company owns the nationwide first class automatic crucible production equipment such as Class 1,000 super clean room. The annual capacity of the company is expected to be 120,000 pieces of single crystal crucibles.



宁夏银和新能源科技有限公司

Ferrotec(Ningxia) New Energy Co., Ltd.

宁夏银和新能源科技有限公司是上海申和热磁电子有限公司在宁夏回族自治区银川经济技术开发区投资的全资子公司。2011年10月建成投产。具有年产600吨太阳能单晶硅锭及840吨多晶硅锭的产能。

Ferrotec (Ningxia) New Energy Co., Ltd. Is located in the Yinchuan Economic and Technological Development Zone of Ningxia Hui Autonomous Region and is a wholly owned subsidiary of Shanghai Shenhe Thermo-magnetics Electronics Co., Ltd. It is constructed and put into operation in Oct 2011 and the annual capacity is expected to be 600 tons of solar grade single crystal silicon ingots and 840 tons of multi crystal silicon ingots.

注册资金(富乐德): 5000万人民币
注册资金(银和): 1亿元人民币
建筑面积: 37,286平米

Nominal Capital (AQMN): RMB 50 million
Nominal Capital (FTSN): RMB 100 million
Building area: 37,286 m²

勤勉立志 开拓创优

Dilligence / Aspiration /
Creativity / Innovation

展望未來

Ferrotec China

- ◆将成为Ferrotec集团最大的投资、生产与研发基地……
- ◆将致力于半导体、太阳能、热电材料和精密机械设备等高尖端技术产业领域的不断探索与进取……
- ◆还将不断调整产业结构、优化资本结构，积极介入资本市场，为公司持续发展注入新的活力……

Ferrotec China, 将腾飞于中国这片古老而神奇的土地……

Ferrotec

Our vision

Ferrotec China has a vision to:

- * Become Ferrotec's largest branch engaged in investment, design, R&D and manufacturing;
- * Devote itself to the exploration of, and making progress in, semiconductors, solar energy, thermoelectric materials and precision mechanical equipment;
- * Play an active role in the capital market through structural reforms and optimization for sustained corporate development. Ferrotec will soar in this ancient land of China.



People-oriented 以人为本 development in harmony 和谐发展

Ferrotec(中国)胸怀以人为本的管理理念,努力创造和谐发展之环境,致力于营造优秀的企业文化,实现企业与员工的共同发展。

With a people orientated management philosophy, Ferrotec (China) strives for harmonious development with a refined corporate culture that enables the corporation and its employees to grow together.





Creating value to 创造价值 *contribute back to the society 回馈社会*

Ferrotec (中国) 自创立以来，一直受到各级政府的关怀与支持；
Ferrotec (中国) 也积极创造价值，回馈社会，使Ferrotec (中国)
成为Ferrotec集团中成长最快的组成部分。

Since its foundation, Ferrotec (China) has won support from many
levels of government. In return it creates value to benefit society,
becoming the fastest-growing member of the Ferrotec Group.



企業理念

Values and Philosophy

满足客户要求
美化地球环境
给社会注入梦想和活力

Bringing Satisfaction to Customers
Caring about the Environment
Providing Dreams and Vitality to the World



大事回顾 Chronology

1992年
01月 杭州大和热磁电子有限公司成立
08月 大和热磁导入生产热电半导体致冷器

1993年
05月 大和热磁导入生产磁性流体密封圈
05月 大和热磁被认定为“杭州市高新技术企业”

1994年
03月 大和热磁购置了杭州沈半路3200m²的新厂房，首次拥有了自己的生产基地

1995年
05月 上海申和热磁电子有限公司成立
05月 申和热磁导入生产半导体热电材料、覆铜陶瓷基板
05月 大和热磁成立新产品开发小组，着手半导体制冷器应用产品的开发工作

1996年
03月 大和热磁通过ISO 9002质量体系认证
05月 申和热磁导入生产电力电子模块
06月 申和热磁成立机加工事业部，开始单双台面研磨机的量产
07月 大和热磁增购半山二期3000平方厂房，厂房面积增加到6000平米，员工达300余人
10月 大和热磁导入生产磁性流体惯性阻尼器

1997年
04月 大和热磁精密玻璃研磨机系列产品量产化
06月 大和热磁导入生产磁性流体真空传动装置

1998年
01月 大和热磁新品研发部成立
03月 申和热磁导入生产木工机械设备系列产品
08月 申和热磁一期厂房竣工开业
10月 大和热磁滨江一工厂一期工程开工
12月 组建杭州大和精密部件有限公司

1999年
04月 申和热磁通过ISO 9002质量体系认证

2000年
02月 大和热磁之江高新科技园工厂竣工投产
08月 大和热磁导入生产硬质合金锯片系列产品
09月 汉虹（申和机加工事业部）第一台NC2001数控铣床完成试制
11月 大和热磁导入生产半导体石英制品、精密陶瓷部品
12月 大和热磁在浙江大学设立为期3年的Ferrotec奖学金

2001年
03月 在浙江大学设立为期5年的Ferrotec奖学金
03月 大和热磁通过ISO 9001国际质量保证体系认证
04月 大和热磁通过ISO 14001国际环境管理保证体系认证
07月 大和热磁通过EN 46001医疗器械质量保证体系认证
08月 申和机加工事业部数控铣床开始量产
10月 大和热磁导入实装基板（SMT）生产线
12月 申和热磁二期厂房竣工投产

2002年
01月 大和热磁导入生产精密钣金部件
03月 申和热磁导入生产单晶硅和晶圆产品新闻发布会
03月 申和机加工事业部进入数控工作母机制造行业
05月 追加设立浙江大学Ferrotec China奖学金壹百万元人民币
06月 杭州博日科技有限公司成立
06月 申和热磁被认定为“上海市外商投资先进技术企业”
06月 申和热磁获得“上海市认定企业技术中心”
07月 大和热磁滨江工厂二期工程开工
08月 申和热磁导入半导体洗净项目
11月 申和热磁与上海市宝山城市工业园区签订申和三期200亩土地批租协议
12月 申和机加工事业部第一台全自动硅片洗净机试制成功，正式进入半导体设备制造行业

1992
Jan Hangzhou Dahe Thermo-Magnetics Co. Ltd. is founded
Aug Dahe (FTH) begins producing thermoelectric semiconductor refrigerating modules

1993
May Dahe (FTH) begins producing computer seals
May Dahe (FTH) was awarded as “High-tech Enterprises of Hangzhou”

1994
Mar Dahe (FTH) buys a new plant of 3200 m² in Shenban Road, Hangzhou, the first production base of its own

1995
May Shanghai Shenhe Thermo-Magnetics Electronics Co. Ltd. is founded
May Shenhe (FTS) begins producing DBC substrates
May Dahe (FTH) establishes a new product development group to work with semiconductor refrigeration applications

1996
Mar Dahe (FTH) obtains ISO9002 Quality Assurance System certification
May Shenhe (FTS) begins producing electric and electronic modules
Jun Shenhe (FTS) establishes Machinery Division, focusing on mass production of single- and double-surface glass-lapping machines
Jul Dahe (FTH) buys a plant in Banshan District to reach phase 2, expanding from 3,000 m² to 6,000 m² in area and to 300 employees
Oct Dahe (FTH) begins producing magnetic fluid inertia dampers

1997
Apr Dahe (FTH) mass-produces a precision glass grinding machinery product line
Jun Dahe (FTH) begins producing magnetic fluid vacuum feedthrough

1998
Jan Dahe (FTH) establishes New Products Development Division
Mar Shenhe (FTS) begins producing a woodworking machinery product line
Aug 1st phase of Shenhe (FTS) plant in Baoshan is completed
Oct 1st phase of Dahe (FTH) plant in Binjiang begins construction
Dec Hangzhou Dahe Precision Parts Co. Ltd. (FTH) is incorporated

1999
Apr Shenhe (FTS) obtains ISO9002 Quality Assurance System certification

2000
Feb Dahe (FTH) plant in Zhijiang High-Tech Park is completed and enters production
Aug Dahe (FTH) begins producing carbide-tipped saw blades
Sep Hanhong (FTS) completes pilot production of NC2001 CNC router
Nov Dahe (FTH) begins producing semiconductor quartzware and fine ceramics
Dec Dahe (FTH) sets up 3-year Ferrotec scholarship at Zhejiang University

2001
Mar Dahe (FTH) sets up 5-year Ferrotec scholarship at Zhejiang University
Mar Dahe (FTH) obtains ISO9001 Quality Assurance System certification
Apr Dahe (FTH) obtains ISO 14001 International Environmental Management Standard certification
Jul Dahe (FTH) obtains EN46001 medical instruments and apparatus quality assurance system certification
Aug Hanhong (FTS) begins mass-producing a CNC router
Oct Dahe (FTH) puts first SMT line into operation
Dec 2nd phase of Shenhe (FTS) plant is completed and brought to operation

2002
Jan Dahe (FTH) begins producing precision sheet metal parts
Mar Shenhe (FTS) holds press conference on silicon single-crystal ingot and wafer production lines
Mar Hanhong enters the CNC machinery production industry
May Ferrotec (China) endows Zhejiang University with an additional scholarship of RMB 1 million.
Jun BIOER Technology Co. Ltd. is founded
Jun Shenhe(FTS) was certified as “Shanghai advanced foreign invested technology enterprise”
Jun Shenhe(FTS) was certified as “Shanghai-accredited enterprise technology centers”
Jul 2nd phase of plant in Binjiang of Dahe (FTH) begins construction
Aug Shenhe (FTS) introduces semiconductor cleaning works
Nov Land rental agreement for 200 mus (approx. 130,000m²) of land required for 3rd phase of Shenhe (FTS) is concluded between Shenhe (FTS) and Shanghai Baoshan Municipal Industrial Park Administration
Dec Hanhong completes pilot production of first fully-automated silicon wafer cleaner and enters the semiconductor equipment manufacturing industry



大事回顾 Chronology

2003年	02月 杭州菱日科技有限公司锂电池生产线投产	2006年	01月 Ferrotec (中国) 研发中心在杭州成立	2003	Feb Lithium-ion battery production line enters operation	2006	Jan Ferrotec (China) establishes an R&D Centre in Hangzhou
	04月 大和热磁滨江工厂二期工程竣工		02月 杭州先进陶瓷材料有限公司成立		Apr 2nd phase of Dahe (FTH) plant in Binjiang is completed		Feb Advanced Ceramic Material (Hangzhou) Co. Ltd. is founded
	07月 申和机加工事业部第一台亚洲最大的全自动大型喷砂机试制成功		03月 Ferrotec (中国) 培训中心在杭州成立		Jul Shenhe (FTS) completes pilot production of first fully-automated sandblaster, the largest in Asia		Mar Ferrotec (China) establishes a Training Centre in Hangzhou
	09月 贺贤汉总经理被授予“全国留学回国人员先进个人”荣誉称号、“全国留学回国人员成就奖”、“杭州市高新区(滨江)经济发展突出贡献奖”		07月 Ferrotec (中国) 举行首届科技成果创新大会		Sep General Manager He Xianhan obtains the title "China's Distinguished Returnee of Former Oversea Student", and wins the "China's Returnee Achievement" and "Economic Contributor of Hangzhou Hi-Tech (Binjiang) District" awards		Jul Ferrotec (China) holds its first scientific achievement and innovation conference
	09月 山村章社长被授予“浙江省西湖友谊奖”		07月 大和热磁导入生产太阳能电池系列产品		Sep Mr. Akira Yamamura, the board chairman of FT, was awarded the "West Lake Friendship Prize"		Jul Dahe(FTH)begins producing silicon solar cells
	10月 申和热磁硅片项目正式投产		09月 贺贤汉被授予“浙江省海外留学英才奖”		Oct Shenhe (FTS) puts crystal wafer production line into service		Sep Mr. He Xianhan was awarded the "Talented returned overseas student of Zhejiang"
2004年	01月 Ferrotec (中国) 集团公司独立经营管理事业部制方式全面运行	2007年	11月 杭州先进石英材料有限公司成立		Jan Ferrotec (China) puts an independent business management system into full operation		Nov Advanced Quartz Material (Hangzhou) Co. Ltd. is founded
	01月 申和机加工事业部第一台半导体硅片抛光机试制成功		05月 大和热磁被授予高新区(滨江) 高技能人才实训基地		Jan Hanhong completes pilot production of its first polishing machine for semiconductor wafer	2007	May Dahe (FTH) is designated Skilled HR Training Base of Binjiang High-Tech Zone
2005年	01月 大和热磁通过TS 16949汽车行业体系认证		08月 申和热磁投资总额达到57.8亿日元	2004			Aug Investment in Shenhe (FTS) increases to JPY 5.78 billion
	02月 大和热磁导入单晶炉真空腔体及零部件项目		09月 大和热磁投资总额达到69亿日元		Jan Hanhong completes pilot production of its first polishing machine for semiconductor wafer		Sep Investment in Dahe (FTH) increases to JPY 6.9 billion
	04月 上海汉虹精密机械有限公司成立		11月 汉虹精机多晶铸锭炉投放市场				Nov Hanhong markets a multi-furnace
	04月 杭州和源精密工具有限公司成立		12月 申和热磁参与《国家重点基础研究发展计划》项目	2005			Dec Shenhe (FTS) participates in a project of the National Basic Research Programme of China
	05月 大和热磁滨江工厂三期工程竣工	2008年			Jan Dahe (FTH) obtains TS16949 automotive industry system certification	2008	Mar Shanghai University of Finance and Economics sets up a Ferrotec China Scholarship for Needy Students with an amount of RMB 1 million
	07月 汉虹精机直拉式单晶炉开始量产		03月 上海财经大学设立“帮困兴教Ferrotec China奖助学金”100万元。		Feb Dahe (FTH) introduces silicon single-crystal grower chamber and parts project		May Dahe (FTH) Set up Ferrotec China Scholarship in Zhejiang Institute of Mechanical & Electrical Engineering
	10月 大和热磁导入生产石英坩埚产品		05月 大和热磁设立浙江机电技术职业学院“Ferrotec China奖学金”		Apr Shanghai Hanhong Precision Machinery Co. Ltd is founded		
	10月 杭州先进陶瓷材料有限公司成立	2009年			Apr WAGEN Precision Tooling Co. Ltd is founded	2009	Apr Shanghai Hanhong Engineering Co., Ltd. (FTSE) was established
	12月 大和热磁追加资本金到31.96亿日元		04月 上海汉虹综合装备设计咨询有限公司成立		May 3rd phase of Dahe (FTH) plant in Binjiang is completed		Apr (Hanhong) successfully manufactured its first wire saw squaring machine with its own IP and trial production started in solar-grade silicon material division of FTS
			04月 汉虹精机生产的具有自主知识产权的开方机在申和公司光伏材料事业部试运行		Jul Hanhong begins mass-producing a silicon single-crystal grower		May Dahe (FTH) Increased capital fund so that its registered capital reached to JPY 3.81 billion and its total investment reached to JPY 7.06 billion
			05月 大和热磁注册资本增至38.1亿日元, 投资总额达到70.6亿日元		Oct Dahe (FTH) begins producing quartz crucibles		Aug Shenhe (FTS) increased capital fund so that its registered capital reached to JPY 3.98 billion and its total investment reached to JPY 7.18 billion
			08月 申和热磁注册资本增至39.8亿日元, 投资总额达到71.8亿日元		Oct Advanced Ceramic Material (Hangzhou) Co. Ltd. is founded		Oct Shenhe (FTS) Launched the polysilicon project and started the production
			10月 申和热磁多晶硅项目开始投产		Dec Capital for Dahe (FTH) increases to JPY 3.196 billion		Oct Shenhe (FTS) was certified as "Shanghai environmentally friendly enterprise"
			10月 申和热磁被授予“上海市清洁生产示范企业”称号				



大事回顾 Chronology

2010年

- 02月 申和热磁被上海市电镀协会评为“2008-2009”年度上海市先进电镀企业”
- 03月 大和热磁被授予“浙江省优秀创新型企业”
- 03月 汉虹精机荣获上海市科学技术委员会、上海市财政局、上海市国家税务局、上海市地方税务局联合颁发的“高新技术企业”证书
- 03月 申和热磁太阳能多晶硅片实现量产
- 04月 大和热磁追加投资：投资总额达78.6亿日元，注册资本42亿日元
- 05月 申和热磁和汉虹精机在上海电力学院设立科研兴教“Ferrotec (中国) 奖学奖教金”以及“Ferrotec (上海) 产学研合作基地” FT (中国) 总裁贺贤汉获聘该校兼职教授
- 07月 汉虹精机荣获“上海市创新型企业”荣誉称号
- 08月 大和热磁三期厂房建设工程正式开工
- 09月 申和热磁获“2009年度上海市外商投资双优企业”荣誉
- 09月 杭州晶鑫科技有限公司萧山江东开发区建设工程开工奠基典礼
- 09月 FT (中国) 的第三产业基地正式落户宁夏回族自治区银川市国家级经济开发区
- 10月 申和三期厂房建设工程正式开工
- 12月 上海申和被认定为“上海市高新技术企业”
- 12月 贺贤汉总裁当选2010年上海市领军人才荣誉称号

2011年

- 04月 大和热磁追加投资：投资总额达91亿日元，注册资本47亿日元
- 04月 宁夏银和新能源科技有限公司、宁夏富乐德石英材料有限公司注册成立

2011年

- 04月 申和热磁注册资本增至：46.8亿日元，投资总额：85.8亿日元
- 05月 大和热磁石英事业部硅材料项目系列产品导入生产
- 05月 Ferrotec (中国) 集团惠普信息化项目正式启动
- 06月 富乐德科技发展(天津)有限公司注册成立
- 07月 杭州晶鑫科技有限公司萧山江东工厂竣工投产典礼
- 07月 由日本三井造船集团、日本Ferrotec集团、申和热磁共同出资筹建的“上海三井机电有限公司”举行开业庆典
- 08月 Ferrotec (中国) 总裁贺贤汉被授予杭州市海外高层次人才引进计划特聘专家称号。
- 09月 富乐德科技发展(天津)有限公司开业庆典
- 09月 银川银河新能源科技有限公司、宁夏富乐德石英材料有限公司开业庆典
- 09月 大和热磁追加投资。投资总额达157.1亿日元，注册资本69亿日元。并被评“浙江省外商独资百强企业”
- 09月 申和热磁注册资本增至：76.8亿日元，投资总额：175.8亿日元
- 11月 上海申和热磁电子有限公司荣获上海市第17批企业技术中心

2012年

- 03月 申和热磁获得上海市电镀协会颁发的“2010-2011年度先进企业”称号
- 04月 杭州先进石英注册资本增至：12.6亿日元
- 05月 杭州晶鑫科技有限公司萧山江东二期工厂竣工典礼
- 07月 杭州大和热磁电子有限公司举行开业二十周年庆典仪式

2010

- Feb Shenhe (FTS) has been rated as “Advanced Electroplating Enterprise of Shanghai “in 2008 and 2009 by Shanghai Electroplating Association.
- Mar Dahe(FTH) was awarded the “Outstanding innovative enterprise of Zhejiang” (Hanhong) earned “High-tech Enterprises certificate” issued by Shanghai Municipal Science and Technology Commission, Shanghai Municipal Bureau of Public Finance, Shanghai State Tax Bureau and Shanghai Local Tax Bureau.
- Mar Shenhe (FTS) realized mass production of Polycrystalline Silicon Chips to be used in Solar Batteries.
- Apr Dahe(FTH) Increased capital fund so that its registered capital reached to JPY 4.2 billion and its total investment reached to JPY 7.86 billion.
- May Ferrotec China set up “Ferrotec China Scholarship” and “Ferrotec Shanghai enterprise-college-research cooperation training base” in Shanghai Institute of Electric Power, Mr.He Xianhan was invited to be a part-time professor.
- Jul (Hanhong) was awarded as “Innovative enterprise of Shanghai”.
- Aug Dahe(FTH) begins the construction of the third plant.
- Sep Shenhe (FTS) was awarded as “The double excellence joint venture enterprise” in 2009.
- Sep Ground-breaking Ceremony of Hangzhou Solartech Co., Ltd.was held in Xiaoshan Jiangdong Development Zone.
- Sep Ferrotec China settled down its third manufacturing base in Yinchuan state-level Economic and Technological Development Zone in the Ningxia Hui Autonomous Region.
- Oct Shenhe(FTS) begins the construction of the third plant.
- Dec Shenhe(FTS) was awarded as “High-tech Enterprises of Shanghai”.
- Dec General manager He Xianhan obtains the title of “Local Leader Talent”.

2011

- Apr Investment to FTH was added: the total investment was 9.1 billion and the registered capital was JPY 4,7 billion.
- Apr Ferrotec (Ningxia) New Energy Co., Ltd. and Ferrotec (Ningxia) Advanced Quartz Material Co., Ltd. were set up and registered.

2011

- Apr investment to FTS was added: the total investment is JPY 4.68 billion and the registered capital is JPY 8.58 billion.
- May The Quartz Business Division of FTH imported the Project of Silicon Material Product Series.
- May Ferrotec (China) Group officially launched the Project of HP Informatization.
- Jun Ferrotec (Tianjin) Technology Co., Ltd. was set up and registered.
- Jul The opening ceremony of Xiaoshan Jiangdong Factory of Hangzhou Solartech Co., Ltd. was held.
- Jul The opening ceremony of MES Ferrotec China Co., Ltd. (co-invested by Mitsui Engineering & Shipbuilding Group, Ferrotec Group and FTS) was held.
- Aug The president of Ferrotec (China) Mr. HE Xianhan was awarded as Distinguished Expert by Hangzhou Overseas Talents Importation Program.
- Sep The opening ceremony of Ferrotec (Tianjin) Technology Co., Ltd. was held.
- Sep The opening ceremony of Ferrotec (Ningxia) New Energy Co., Ltd. and Ferrotec (Ningxia) Advanced Quartz Material Co., Ltd. was held.
- Sep The investment to FTH was added: the total investment is JPY 15.71 billion and the registered capital is JPY 6.9 billion. And FTH was awarded as one of “Zhejiang’s Top 100 Foreign-Invested Enterprises”.
- Sep Investment to FTS was added: the total investment is JPY 7.68 billion and the registered capital is JPY 17.58 billion.
- Nov Shenhe(FTS) was certified as the “17th Shanghai-accredited enterprise technology centers”.

2012

- Mar Shenhe(FTS) Thermo-Magnetics Electronics Co., Ltd. was awarded “Enterprise of the Year 2010-2011” by Shanghai Electro Plating Association.
- Apr The registered capital of Advanced Quartz Material (Hangzhou) Co., Ltd. increased to JPY 1.26 billion.
- May Xiaoshan Jiangdong Factory of Hangzhou Solartech Co., Ltd. had the opening ceremony of its 2nd phase.
- Jul Dahe(FTH) had its 20th anniversary ceremony on July 18th.