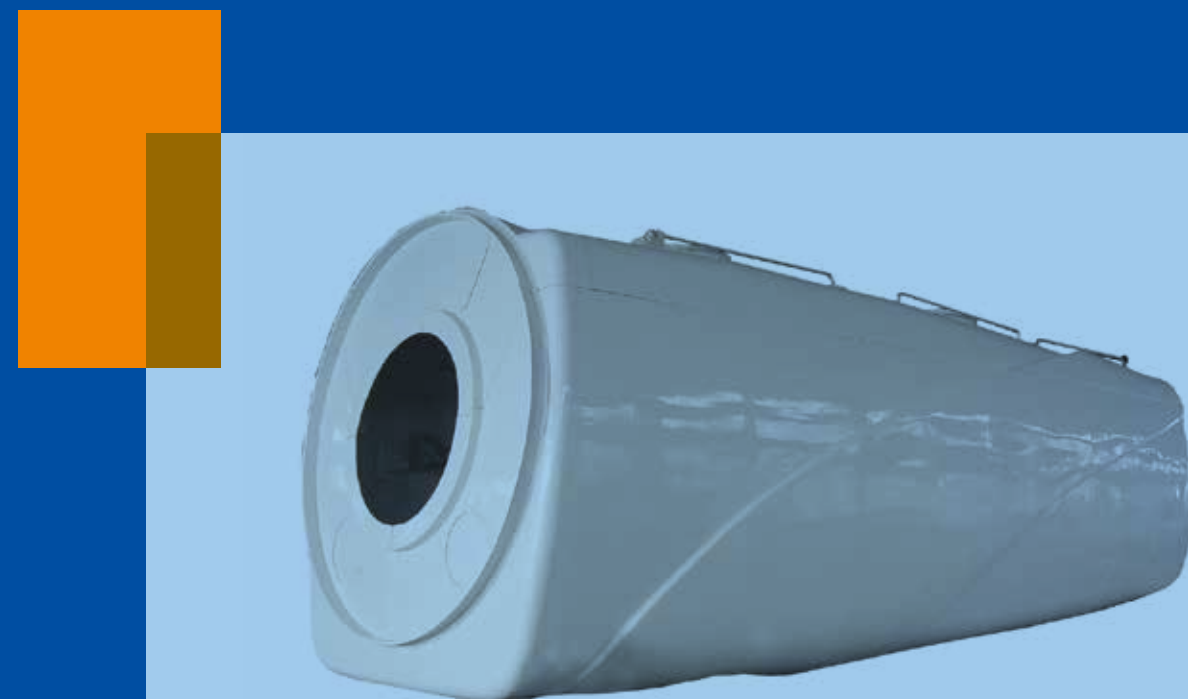




风电产品

WIND POWER PRODUCTS



您身边的中央空调定制专家

GRAD--The Central Air Conditioning
Customization Expert Around You



山东格瑞德集团

SHANDONG GRAD GROUP

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集团简介

山东格瑞德集团有限公司位于德州市，集中央空调、复合材料、太阳能新能源产品的研发、设计、生产、销售、维护于一体，是中国制冷空调工业协会命名的“德州•中央空调城”的支柱企业，全国中央空调系统、复合材料的主导企业之一。

格瑞德集团致力于打造“您身边的中央空调定制专家”并提供综合能源解决方案，格瑞德集团拥有国家机电设备安装壹级资质，空气净化工程贰级资质，具备整体项目承揽能力。多次承担国家、省市级科技攻关项目，累计获专利技术成果110多项。300多位高级工程师量身设计中央空调解决方案。70万平米制造基地生产从主机到末端全系列产品，高效降膜离心式冷水机组国内领先，风机墙空气处理机组填补国内空白，被列入国家火炬计划，集团研发的长纤维增强复合材料项目获国家火炬计划立项。2015年被批准设立博士后科研工作站，开展博士后研究工作。格瑞德中央空调性能检测中心作为国家级检测中心，已通过CNAS认证，确保产品品质。格瑞德集团参建的项目获得中国建筑工程鲁班奖、国家优质工程奖。格瑞德集团在北京、天津、沈阳、西安、武汉、南京等城市建有30多个办事处，销售、设计、安装、售后网络覆盖全国，产品出口40多个国家。

目前，格瑞德集团下设销售工程公司、主机公司、空调公司、缠绕公司、SMC公司、军工制品公司、风电公司、防化公司、热塑公司、冷却塔公司、人防公司、国际贸易部十二个分公司，已全面通过ISO9001国际质量管理体系、ISO14001国际环境管理体系认证和OHSAS18001职业健康安全管理体系认证。

Brief Introduction Of The Group

Shandong GRAD Group is situated in Dezhou, Shandong. It is a large modern enterprise with the research & development, design, production, sales, installation and maintenance for central air conditioning products, composite material products and solar energy products. Is is named the pillar enterprise by China Refrigeration and Air Conditioning Industry Association(CRAA) and is one of the leading enterprises in central air conditioning and composite material industry.

GRAD Group devotes itself to be a central air conditioning custermization expert around you and provides you a comprehensive energy solution, GRAD possesses national mechanical and electrical equipment installation Class I qualification and purification equipment installation Class II qualification. GRAD has the overall project contacting ability. It has contracted national class and provincial class technology research projects for many times. The accumulated patents for technological achievements has passed 110 items. There are more than 300 senior engineers available for central air conditioning design and solution. The 700,000 m^2 manufacturing base includes the whole cental air conditioning series: from chiller to terminal products. The high efficient falling film centrifugal chiller maintains domestic leading position and the large fan wall air handling unit has filled domestic blank and been listed in the national torch plan. GRAD has the national class air conditioning testing center and has passed CNAS certification. The products quality can be well guaranteed. Some of projects gained China Construction Project Luban Prize and National High Quality Project. At the mean while, GRAD has established more than 30 offices allover China, such as Beijing, Tianjin, Shenyang, Xi' an, Wuhan, Nanjing, etc. The sales, design, installation and after sales network has covered every corner of China. Moreover, its products have been exported to more than 40 countries. Until now, GRAD Group has established 12 subsidiaries: Sales Engineering Company, Chiller Company, Air-conditioning Company, Winding Company, SMC Company, Military products Company, Wind Power Company, Chemical Defense Company, Thermoplastic Company, Cooling Tower Company and Civil Air Defense Company, Import and Export Corporation. It has already passed ISO 9001 quality management system certification, ISO 14001 environmental management system certification and OHSAS 18001 occupational health safety management system certification.



企业资质 Certificates

格瑞德拥有国家机电安装工程专业承包壹级资质，装修装饰工程专业承包贰级资质，专业承揽中央空调工程、净化工程施工；集团为国家二级安全生产标准化的企业，荣获太阳能热水系统、通风人防3C认证；集团检测中心获国家CNAS认证。

GRAD Group gained National Mechanical and Electrical Equipment Installation class-A qualification and decoration contractor class-B qualification.GRAD can contract the installation of central air conditioner and purification project.It is the secondary standardization production enterprises with CCC certificate for solar energy and ventilator products.The test center gained national CNAS certificate.

集团荣誉 Honors

格瑞德集团为中国制冷空调工业协会、中国质量检验协会等副理事长单位，全国消费者质量满意单位；参建的项目分别荣获“中国建设工程鲁班奖”、“国家优质工程金质奖”称号；公司产品获“全国质量信得过产品”等荣誉；风机墙空气处理机组被列入“国家火炬计划项目”。

GRAD Group is a standing director company of Air-cooling Association and China Quality Inspection Association.It is also National consumer satisfaction unit.GRAD Group gained China construction engineering Luban prize and China high quality gold award.And the GRAD product gained “national quality trustworthy product”.The AHU product entered into National torch plan.



营业执照
Business License



机电安装工程专业承包壹级
装修装饰工程专业承包贰级
Mechanical and Electrical Installation Class-A
Decoration Contractor Class-B Qualification.



离心机获山东省重点领域
首台技术装备
First Centrifugal Technology Equipment



中国节能产品认证证书
Energy Saving Product Certificate



ISO9001



ISO14001



OHSAS18001



CE Certificate



中国国家强制性产品认证证书
CCC Certificate



中国特种设备设计许可证
Special Equipment Design License



中国合格评定国家认可委员会
实验室认可证书
CNAS Laboratory Certificate



中核集团合格供应商证书
Qualified Supplier of China National Nuclear Co.



AHRI Certificate



Contract Qualification
for Foreign Projects



ROHS Certificate



SS245 certificate



全国工业产品生产许可证
National Industrial Production License



安全生产许可证
Work Safety License



中国太阳能热利用
工程设计、施工资质
Solar Energy Heat Utilization License



建筑节能技术与产品应用认定证书
Energy Saving and Application Certificate



通风机国际先进水平
Ventilator International Advanced Level



中国地源热泵行业系统集成十强企业
Top 10 of Ground Source Heat Pump Industrial



中国建设工程鲁班奖
Luban Prize



国家优质工程金质奖
China High Quality Gold Award

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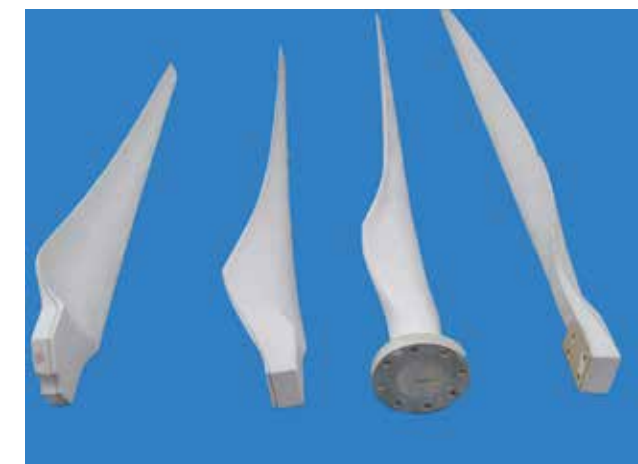
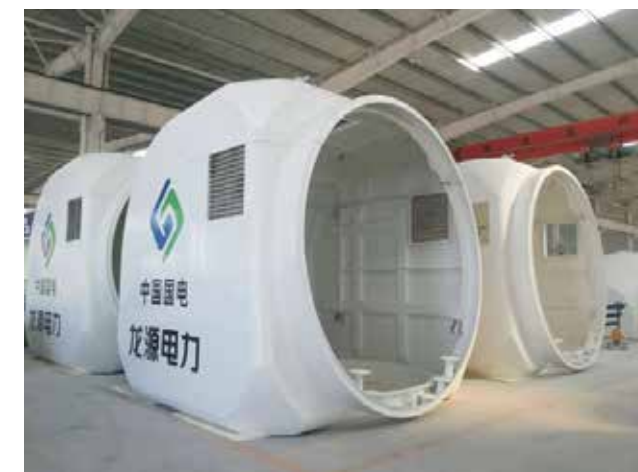
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一、风电主导产品

Main Wind Power Products

风力发电用机舱罩、导流罩、小型风电叶片，是格瑞德集团风电系列的主导产品。涵盖1.5MW、2.0MW、2.5MW、3.0MW、6MW等多机型、多系列产品以及20KW以下各种机型风电叶片产品。

GRAD wind power products include engine cabin ,hubcap and small blades,covering many types with 1.5MW,2.0MW,2.5MW,3.0MW,6MW and so on. The blades also have many types for below 20kw.



二、风电产品特性

Wind Power Product Features

我公司研制、生产的机舱罩、导流罩产品优选玻璃纤维和树脂为原料，具有比强度高、耐老化、外型美观、重量轻、耐腐蚀的特点。主要用于野外长年树立的风力发电塔筒上，起到保护风力发电机不受外界环境影响，保证风力发电设备的正常运转。

GRAD wind power products made of high quality fiber glass and resin that includes many advantages such as high strength, anti-aging, good appearance, light weight and anti-corrosion. These equipments can be used for wind power tower and they can protect the wind driven generator to operate normally.



三、风电生产能力

Production Capacity of Wind Power Products

格瑞德集团风电生产车间达到3万平米，根据机舱罩、导流罩系列产品生产工艺需求，对车间进行合理布局，完全满足环境体系和职业健康安全体系要求，在车间除尘、保温、员工防护等方面做了专业性设计，有效解决了粉尘污染、冬季生产等问题。目前，拥有从事风电工作的专业技术人员8人，质检人员7人，管理人员18人，生产工人达到300余人，年产能力超过2000套。

GRAD wind power factory covers 30000sqms. Reasonable layout of factory meets the requirements of three ISO certificates. And the factory did special design on workshop dust, heat preservation, protection of employees and so on. All these effectively solved the dust pollution and winter production problems. At present, there are 8 professional technicians, 7 inspectors, 18 management personals and more than 300 workers. The production capacity of wind power products are more than 2000 sets per year.



四、风电生产及检测设备

Production and Testing Equipment of Wind Power Products

格瑞德集团引进先进的美国进口胶衣喷涂机、德国抽真空系统，保证原材料准确配比、涂层均匀，确保产品质量能够满足客户要求的使用环境等问题。

格瑞德集团拥有完备的检测实验设备，包括材料试验机、简支梁冲击试验机、测厚仪、巴氏硬度计、化学实验室、关节臂三坐标测量机等，可以对原材料及其制品进行各项理化的检验和测试。

GRAD Group introduced advanced USA gel sprayer and germany vacuum system to guarantee the accuracy of the raw material ratio and uniform coating.All these ensure product quality to meet customer requirements.

GRAD Group has complete testing equipments, including material testing machine, beam impact tester, thickness gauge,barcol hardness meter, chemical laboratory, joint arm three coordinate measuring machine, etc..All the testing equipments can be tested and inspected every physical and chemical testing of the materials and products.



五、风电专业技术

Professional technology of Wind Power Products

格瑞德风电机舱罩、导流罩生产采用多种工艺，包括：真空灌注、轻质RTM、手糊等等。格瑞德集团拥有专业的复合材料研发技术人员，能够参与机舱罩、导流罩的前期设计与优化，进行大型镜面模具的设计与制造。主要原材料采用进口产品，模具表面达到A级标准，模具设计寿命500台套。可制作各种类型机舱罩、导流罩等风电产品。

格瑞德——始终致力于风电机舱罩行业旗舰的宏伟目标，历经多年的市场磨砺，竞争优势日益显现。优质的原料、精美的产品、优秀的员工、强大的产能，完善的管控体系、合理的成本控制，形成了格瑞德风电机舱罩优良稳定的质量、合理的价格和快速的交货能力。完善的售后服务体系，优秀的专业技术人员，为客户及时解决产品使用中的任何问题，直至客户满意。

There are many production technologies,including vacuum infusion,light RTM,hand layup and so on.There are professsional R&D technicians for compound material.They designed the engine cabin and hubcap,also designed and manufacture the mould with A class on the surface.GRAD Group brought the raw material with foreign brand.The service life of the mould is more than 500 sets,which can be produced many types of engine cabin and hubcap.

GRAD adopts high quality material,completed management system to guarantee production quality and delivery time. GRAD Group may solve any question from the customer and make client satisfaction.Because it has perfect after-sale service system, and excellent professional technical personnel.



六、风电主要客户

Main Customers of Wind Power Products

格瑞德集团自2009年进入风电市场以来，凭着优质的产品、一流的服务先后与新疆金风科技股份有限公司、国电联合动力技术有限公司、中车集团北车风电有限公司等国内知名风力发电主机厂家合作。

The wind power products of GRAD Group entered into wind power market since 2009.With high quality and first class service,GRAD Group has established cooperation relationship with Xinjiang Goldwind Science and Technology Co.,Ltd.,United Power,CRRR CNR Wind Turbine Co.,Ltd and so on.



Marketing Network

营销网络

华北区
North China

济南办事处 Jinan Office

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潍坊办事处 Weifang Office

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传真 Fax：0536-8291160

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传真 Fax：0311-89613919

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南方区
The South

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成都办事处 Chengdu Office

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传真 Fax：022-28055172

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The Northeast

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传真 Fax：0951-6839809

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