



大通宝富
FAN FACTORIES



小型高端离心通风机

Small High-End Centrifugal Fan

产品 · 方案 · 服务
Product Project Service

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公司简介

Company Introduction



南通大通宝富风机有限公司
Nantong Dart-Rich Fan Co., LTD.



大通宝富(湖南)风机有限公司
Dart-Rich (Hunan) Fan Co., LTD.

南通大通宝富风机有限公司（原国营南通风机厂）创建于1966年。2004年引进德国技术，在产品的稳定可靠、高效低噪、耐磨耐温等方面取得了重大技术突破，同时与多家科研院所及国际著名风机制造公司有多项技术交流与合作。

Nantong Dart-Rich Fan Co., Ltd. (former as State-Owned Nantong Fan Factory) was founded in 1966. In 2004, Dart-Rich introduced German technology and achieved significant technological breakthroughs in product stability, reliability, high efficiency, low noise, wear resistance, and temperature resistance. At the same time, we have had multiple technical exchanges and collaborations with multiple research institutes and internationally renowned fan manufacturing companies.

为加快数智化转型，用“新设备、新工艺、新方法”打造风机行业智能制造标准，大通宝富于2020年12月成立了大通宝富（湖南）风机有限公司。公司引进激光AGV车、自动焊、激光焊、机器人折弯、静电喷粉等先进自动化设备，实现从原材料到成品的全流程数字化管理，专注于设计、生产小型高端离心通风机。产品主要用于除尘、VOCS、粮食机械配套、食品机械配套、干燥/污泥干化、纺织机械配套等细分领域。

In order to accelerate the transformation of digital intelligence and create intelligent manufacturing standards for the fan industry with "new equipment, new processes, and new methods", Dart-Rich (Hunan) Fan Co., Ltd. was established in December 2020. The company has introduced advanced automation equipment such as AGV, automatic welding, laser welding, robot bending, and electrostatic powder spraying to achieve the digital management of the whole process from raw materials to finished products. The company focus on the design and production of small high-end centrifugal fans. The products are mainly used in dust removal, VOCS, grain machinery supporting, food machinery supporting, drying/sludge drying, textile machinery supporting and other segments.

大通宝富一直坚持管理创新、机制创新、文化创新、技术创新，持续进行数智化、奋斗者文化和“三智”建设，深度洞察市场，不断推进组织裂变，提升客户服务综合能力，实现了快速健康发展。

Dart-Rich is always persisting in the management innovation, mechanism innovation, cultural innovation, and technological innovation, and continues to carry out the construction of digital intelligence, striver culture and "three wisdom", it has a deep insight into the market, constantly promotes the organization fission, improves the comprehensive ability of customer service, and realizes the rapid and healthy development.

大通宝富坚守“诚实守信、专注专业、利他共生”的核心价值观，持续提升企业价值，不断为客户创造最大价值，实现所有利益相关方的共担共创共享，致力于成为可靠、绿色流体机械的引领者！

Dart-Rich adheres to the core values of “honest and trustworthy; concentrated and professional; Altruism and Mutualism”. Continuously enhance enterprise value, continuously create maximum value for customers, and realize the sharing of all stakeholders, and commitment to become the leader of reliable green fluid machinery!



研发能力 R&D CAPABILITY

01 研发能力 R&D Capability

技术中心是大通宝富的研发设计中心，下设通风机研究所、压缩机研究所、工艺研究所和共性研究所，设有流体机械博士后工作站。技术人员经验丰富，能够熟练利用计算机辅助设计、分析软件进行风机设计，同时能够根据客户需求进行产品定制化设计，为客户提供最优系统解决方案。

The technology center is the R&D and design center of DART-RICH, which consists of Fan Research Institute, Compressor Research Institute, Process Research Institute and Commonality Research Institute, and there is a postdoctoral workstation of fluid machinery. The engineers have rich experience, are proficient in the use of computer-aided design and analysis software for fan design, and can customize the product design according to customer's needs, and provide customers with the best system solutions.

湖南基地依托技术中心共性研究所和通风机研究所，积累了多种风机通用模型集。

Relying on Commonality Research Institute and Fan Research Institute, the Hunan base has accumulated a variety of fan general model sets.



02

独立售前技术能力

Independent Pre-sales Technical Capability

针对不同细分领域的不同需求，湖南基地技品部拥有独立售前技术力量，可以进行性能及工艺需求分析、样机测绘、样机性能测试、送样测试等一对一技术分析；具备对小型高端离心通风机进行仿真设计、模型优化的能力，以专业风机服务专业设备。

According to the different needs of different segments, the Technology and Quality Department of Hunan Base has independent pre-sales technical strength, which can carry out one-on-one technical analysis such as performance and process requirement analysis, prototype mapping, prototype performance testing, and sample testing. The Hunan Base has the ability to simulate and design small high-end centrifugal fan, optimize models and provide professional fan services for specialized equipment.



制造&检测能力

MANUFACTURING ABILITY & INSPECTION & TEST ABILITY

01 制造能力

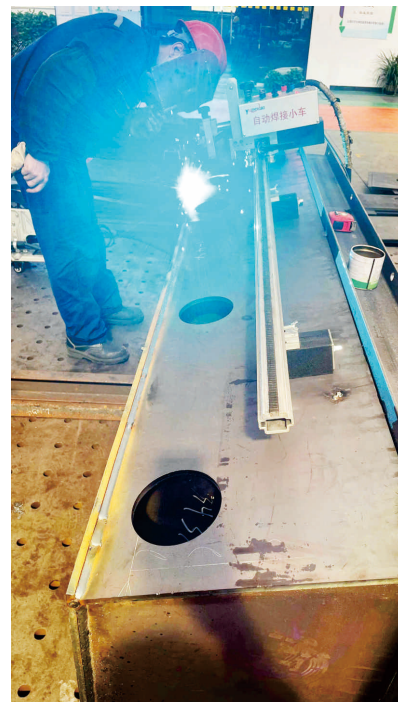
Manufacturing Ability



2.5米8喷嘴自动喷砂机
2.5 meters 8 nozzles automatic sand blasting machine



双枪自动焊接机器人
Dual-gun automatic welding robot



自动焊小车
Automatic welding car



数控折弯机
CNC bending machine



数控旋压机
CNC spinning machine

► 静电喷粉 Electrostatic Powder Coating

高耐磨不留痕
Highly wear-resistant without leaving marks

不锈钢级耐腐
Stainless steel grade corrosion resistance

高温熔固秒干
High temperature fusion solidification and instant dry



喷粉中
In powder coating



喷粉房
Powder spraying room



喷粉后外观
Appearance after powder coating



02

检测能力

Inspection & Test Ability



动平衡机
Dynamic balancing machine



摆锤式冲击试验机
Pendulum-type impact testing machine



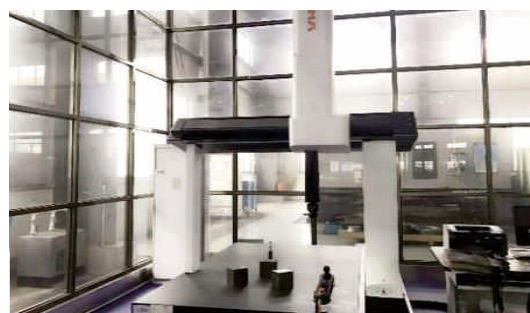
微机电子万能拉伸试验机
Microcomputer electronic universal tensile testing machine



超速试验台
Overspeed test bench



火花式直读光谱仪
Spark direct reading spectrometer



三坐标测量仪
Three coordinate measuring instrument

核心产品 CORE PRODUCTS

离心通风机主要由转子组（叶轮、主轴）、静止件（机壳、进风口）、调节门、软连接等组成的本体及电机、执行器等辅机以及控制监测系统组成。

The centrifugal fan is mainly composed of fan unit, auxiliaries along with the control and monitoring system. Fan unit consist of a rotor part (impeller and the main shaft), static part (housing, air inlet), damper, flexible coupling and etc. and the auxiliaries includes motor, actuator and etc.

离心通风机按传动方式可分为电机直连传动（A式）、皮带传动（B、C、E式）、联轴器传动（D、F式），大通宝富（湖南）风机有限公司专注于小型高端离心通风机的制作，即A式、C式、D式（机号 ≤ 14 ）。

The centrifugal fans have various transmission methods, which are the motor direct connection (A type), the belt transmission (B, C, E type), and the coupling transmission (D, F type). Dart-Rich (Hunan) specializes in the production of small high-end centrifugal fans, namely A type, C type, and D type (machine number ≤ 14).

1 A式风机 A type fan

特点：风机采用电机直联传动，结构紧凑，安装空间小，节省空间且便于安装。

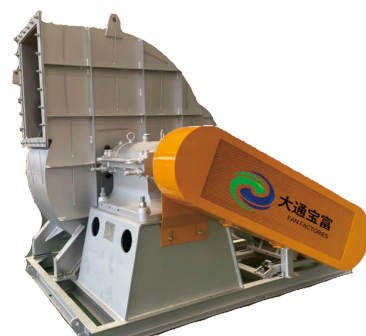
Features: The fan adopts direct motor drive, compact structure, small installation space, space saving and easy installation.



2 C式风机 C type fan

特点：采用皮带传动，具有高效节能、运行稳定、维护方便、低噪音和耐腐蚀等特点。

Features: Adopting belt transmission, it has the characteristics of high efficiency, energy saving, stable operation, easy maintenance, low noise and corrosion resistance.



3 D式风机 D type fan

特点：采用联轴器传动，传动效率高，运行稳定，易于安装。

Features: Adopting coupling transmission, it has the characteristics of high transmission efficiency, stable operation, and easy installation.



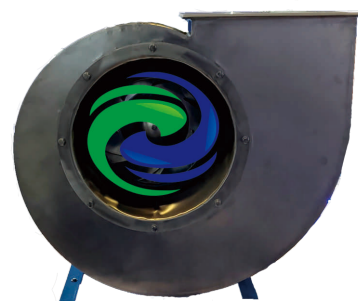
4 不锈钢风机 Stainless steel fan

特点：耐腐蚀性强、耐高温

用途：适用于食品、医药等高卫生环境，及高温排风或工业加热系统。

Features: High corrosion resistance and high temperature resistance.

Application: Suitable for food, medicine and other high hygiene environments, as well as high-temperature exhaust or industrial heating systems.



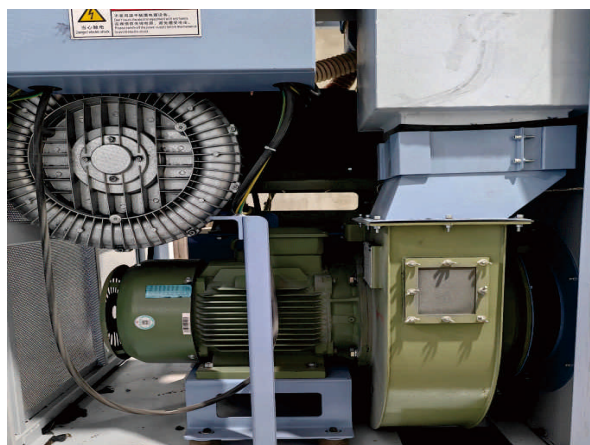
产品系列 Product Series	风量范围(m³/h) Volume range(m³/h)	风压范围 (Pa) Pressure range(Pa)	用途 Application
FZYSP系列+A式结构 FZYSP series + A type	1500-7000	2955-13700	纺织行业 Textile industry
VR系列+D式结构 VR series + D type	410-58500	715-13250	干燥设备 Drying equipment
VR系列+A、D式结构 VR series + A, D type	380-67300	2620-10000	水泥线 Cement line
VR系列+A式结构 VR series + A type	225-79000	650-2000	污泥干化 Sludge drying
VR系列+A、D式结构 VR series + A, D type	700-62500	4850-9250	天然气热风炉 Hot blast furnace combustion fans
VR系列+D式结构 VR series + D type	6010-59200	4850-12000	垃圾焚烧 Waste incineration
VR系列+C式结构 VR series + C type	8290-30800	1530-2190	玻璃线 Glass line

典型案例 TYPICAL CASES

1 纺织/食品/制药

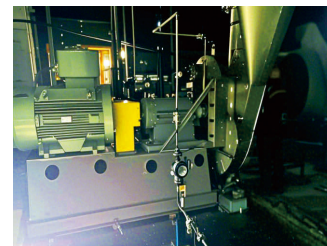
Textile / Food / Pharmaceutical industries

终端客户 End-Customer	
特吕茨施勒纺织机械(嘉兴)有限公司	Truetzschler Textile Machinery (Jiaxing) Co., Ltd.
九江长美科技有限公司	Jiujiang Ever Beauty Technology Co., Ltd.
广东天骏峰无纺布有限公司	Guangdong Tianjunfeng Nonwoven Fabric Co., Ltd.
安徽日发纺织机械有限公司	Anhui Rifa Textile Machinery Co., Ltd.
烟台市荣兴食品设备有限公司	Yantai Rongxing Food Equipment Co., Ltd.
迈安德集团有限公司	Myande Group Co., Ltd.
江苏聚缘机械设备有限公司	Jiangsu Juyuan Machinery Equipment Co., Ltd.
希杰(沈阳)生物科技有限公司	CJ (Shenyang) Biotech Co., Ltd.
秦皇岛青盛科技有限公司	Qinhuangdao Qingsheng Technology Co., Ltd.
宁波长荣酿造设备有限公司	Ningbo Changrong Brewing Equipment Co., Ltd.
安徽惠利装备科技有限公司	Anhui Huili Equipment Technology Co., Ltd.
中国医药集团联合工程有限公司	Sino Pharmengin Corporation
山东国邦药业有限公司	Shandong Guobang Pharmaceutical Co., Ltd.



2 化工

Chemical industry



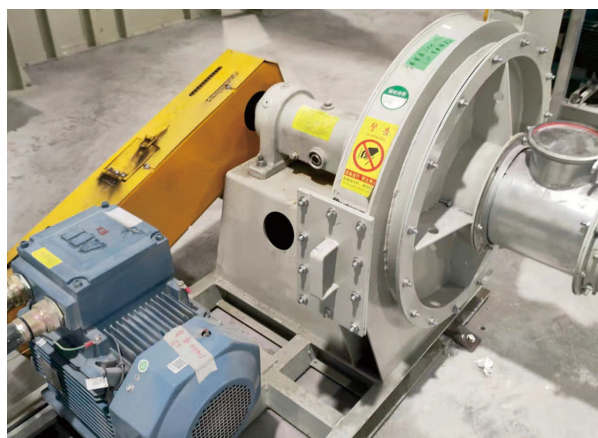
终端客户 End-Customer

中石油华东设计院有限公司	CNPC East China Design Institute Co.,Ltd.
中化能源科技有限公司上海分公司	Sinochem Energy Technology Co., Ltd. Shanghai Branch
中化环境大气治理股份有限公司	Beijing Cec Environmental Protection Co.,Ltd.
中国五环工程有限公司	China Wuhuan Engineering Co., Ltd.
中国天辰工程有限公司	China Tianchen Engineering Co., Ltd.
中国石油天然气股份有限公司吉林石化分公司	Jilin Petrochemical Branch of China National Petroleum Corporation
中国石油天然气股份有限公司大庆炼化分公司	PetroChina Daqing Refining & Chemical Company
中国石化集团重庆川维化工有限公司	Sinopec Chongqing SVW Chemical Co., Ltd.
中国昆仑工程有限公司大连分公司	China Kunlun Engineering Co., Ltd. Dalian Branch
中国船舶集团有限公司第七一一研究所	Shanghai Marine Diesel Engine Research Institute
浙江圆锦新材料有限公司	Zhejiang Yuanjin New Materials Co., Ltd.
浙江卫星能源有限公司	Zhejiang Satellite Energy Co., Ltd.
浙江巨化化工材料有限公司	Zhejiang JUHUA Chemical MATERIALS Co., Ltd.
岳阳洞天石化有限公司	Yueyang Dongtian Petrochemical Co., Ltd.
应城市新都化工有限责任公司	Yingcheng Shindoo Chemi-Industry Co., Ltd.
扬州阳泰化工有限公司	Yangzhou Yangtai Chemical Co., Ltd.
烟台东化新材料有限公司	Yantai Donghua Material Science Co., Ltd.
新疆天利石化股份有限公司	Xinjiang Tianli Petrochemical Co., Ltd.
新疆库尔勒中泰石化有限责任公司	Xin Jiang Korla ZhongTai Petrochemical Co., Ltd.
襄垣县鸿达煤化有限公司	Xiangyuan County Hongda Coal Chemical Co., Ltd.
万华化学集团物资有限公司	Wanhua Chemical Group Materials Co., Ltd.
山东裕龙石化有限公司	Shandong Yulong Petrochemical Co., Ltd.
华鲁恒升（荆州）有限公司	Hualu Hengsheng (Jingzhou) Co., Ltd.
湖北宜化集团有限责任公司	Hubei Yihua Group Co., Ltd.
湖北三宁化工股份有限公司	Hubei Sanning Chemical Co., Ltd.
东华能源（张家港）新材料有限公司	Oriental Energy (Zhangjiagang) New Materials Co., Ltd.
东华能源（宁波）新材料有限公司	Oriental Energy (Ningbo) New Materials Co., Ltd.
东华工程科技股份有限公司	East China Engineering Science and Technology Co., Ltd.
北京航天石化技术装备工程有限公司	Beijing Aerospace Petrochemical Technology & Equipment Engineering Co., Ltd.
北京航化节能环保技术有限公司	Beijing Aerospace Petrochemical Energy Conservation And Environmental Protection Technology Corporation Limited

3 造纸/建材/干燥

Papermaking machinery / Building material / Drying

终端客户	End-Customer
湖北仙鹤新材料有限公司	Xianhe Co., Ltd.
江苏王子制纸有限公司	Jiangsu Oji Paper Co., Ltd.
瑞光（上海）电气设备有限公司	Zuiko (Shanghai) Electrical Equipment Co., Ltd.
安徽林平循环发展股份有限公司	Anhui Linping Circular Development Co., Ltd.
中材建设有限公司	CBMI Construction Co., Ltd.
张家港市锦明机械有限公司	Zhangjiagang Joinme Machinery Co., Ltd.
天津水泥工业设计研究院有限公司	Tianjin Cement Industry Design & Research Institute Co., Ltd.
史密斯	FLSmidth Cement
南京洲盛机电设备有限公司	Nanjing Zhousheng Electromechanical Equipment Co., Ltd.
南京西普国际工程有限公司	Nanjing Chope International Engineering Co., Ltd.
美嘉国际商务（山东）有限公司	MEGA International Commerce (Shandong) Co., Ltd.
江苏鹤林水泥有限公司	Jiangsu Helin Cement Co., Ltd.
江苏鹏飞集团股份有限公司	Jiangsu Pengfei Group Co., Ltd.
河南中材环保有限公司	Henan Sinoma Environmental Protection Co., Ltd.
广西仙鹤新材料有限公司	Guangxi Xianhe New Materials Co., Ltd.
福莱特（嘉兴）进出口贸易有限公司	Flat (Jiaxing) Import & Export Trading Co., Ltd.
无锡市现代喷雾干燥设备有限公司	Xiandai Sprayer Desiccation Equipment Co., Ltd.
江苏大江干燥设备有限公司	Jiangsu Dajiang Drying Equipment Co., Ltd.
常州市范群干燥设备有限公司	Fanqun Drying Equipment Co., Ltd.
江苏先锋干燥工程有限公司	Jiangsu Xianfeng Drying Engineering Co., Ltd.
江苏昌实干燥科技有限公司	Jiangsu Changshi Drying Technology Co., Ltd.
江苏鑫普干燥工程科技有限公司	Jiangsu Xinpu Drying Engineering Technology Co., Ltd.
常州新马干燥工程有限公司	Changzhou Shinma Drying Engineering Co., Ltd.



4 冶金/电力

Metallurgical industry/ Power industry

终端客户	End-Customer
达涅利冶金设备（中国）有限公司	Danieli Metallurgical Equipment and Service (China) Co., Ltd
中冶南方连铸技术工程有限责任公司	WISDRI Continuous Casting Technology Engineering Co., Ltd.
中冶南方工程技术有限公司	WISDRI Engineering & Research Incorporation Limited.
中冶节能环保有限责任公司	MCC Energy Saving and Environmental Protection Co., Ltd.
中钢集团工程设计研究院有限公司	China Steel Engineering Design and Research Institute Co., Ltd.
唐山瑞丰钢铁（集团）有限公司	Tangshan Reafon Iron & Steel (Group) Co., Ltd.
首钢京唐钢铁联合有限责任公司	Shougang Jingtang United Iron & Steel Co., Ltd.
欧冶工业品股份有限公司	OBEI Co., Ltd.
宁夏大冶冶金设备有限公司	Ningxia Dazhi Metallurgical Equipment Co., Ltd.
南京展鹏金属贸易有限公司	Nanjing Zhanpeng Metal Trading Co., Ltd.
江苏宏大特种钢机械厂有限公司	Jiangsu Hongda Special Steel Machinery Plant Co., Ltd.
中国电建集团长春发电设备有限公司	PowerChina Changchun Generating Equipment Group Limited
浙江城建煤气热电设计院股份有限公司	Zhejiang Gas&Thermoelectricity Design Institute Co.,Ltd.
江苏华星东方电力环保科技有限公司	Jiangsu Huaxing East Environmental Protection Technology Co., Ltd.
嘉兴协鑫环保热电有限公司	Jiaxing Xiexin Environmental Thermoelectric Co., Ltd.
河北恒晟易电力科技有限公司	Hebei Hengshengyi Electric Power Technology Co., Ltd.
丰县徐联热电有限公司	Fengxian Xulian Thermal Power Co., Ltd.



可靠、绿色流体机械的引领者！
Reliable and green leader in fluid machinery!

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