power®力辉

2022

公司简介
COMPANY INTRODUCTION

深圳市力辉电机有限公司
Shenzhen Power Motor Industrial Co., Ltd

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PART 1

企业概况

Company Profile

企业概况
Company Profile



力辉电机总部
Power Motor Headquarter

坐落于国家级高新技术产业基地—深圳湾科技生态园
Located in Shenzhen Bay Eco-Technology Park



力辉凤岗工业园
Power Motor Industrial Park

总占地面积42,000 ㎡，拥有近40条自动和半自动生产线，可月产电机300多万台
The total occupied area is 42,000 ㎡. Own approached 50 automatic and semi-automatic production lines, Over 3,000,000 pcs production ability monthly.

100+ 名研发工程师； 90+ 名QC工程师；100+ 名生产管理者
R&D Product Development Engineers 100+ ； QC Staff 90+ ； Production Management Staff 100+

力辉电机地址
Power Motor Address

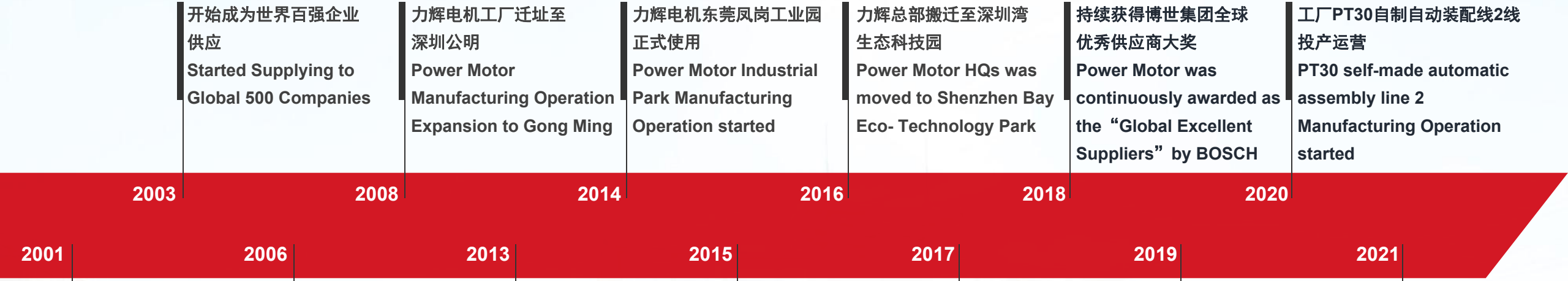




总部-工业园距离 Distance

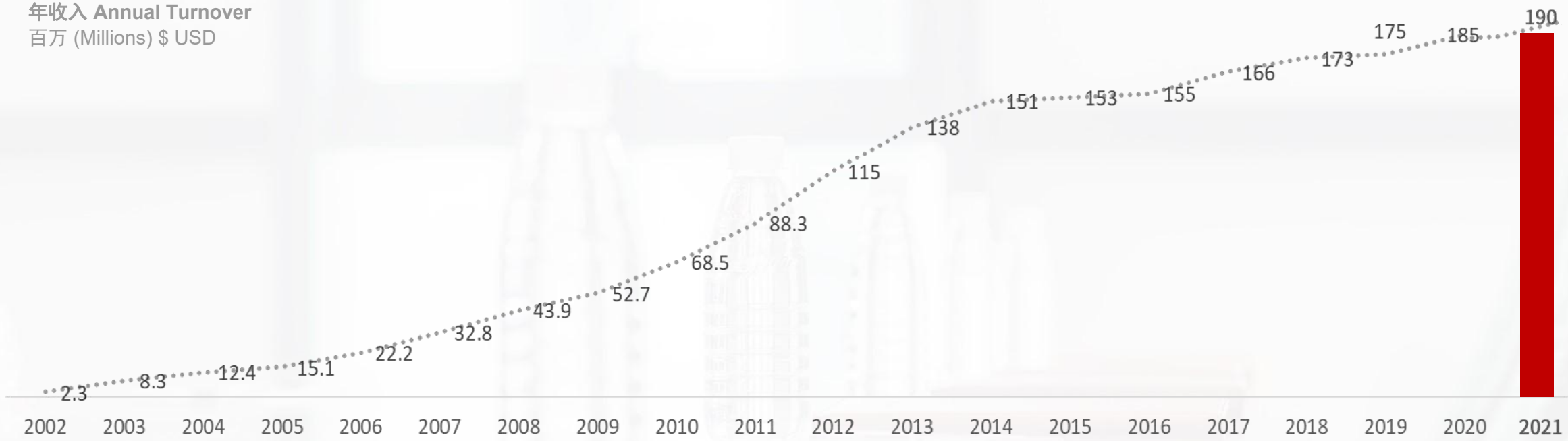
从力辉总部驾车至力辉凤岗工业园车程约是50分钟
About 35km distance between Power Motor Headquarter and Industrial Park

发展历史
Development History



19 Years of Motor Design and Manufacturing

力辉电机营业额
Turnover

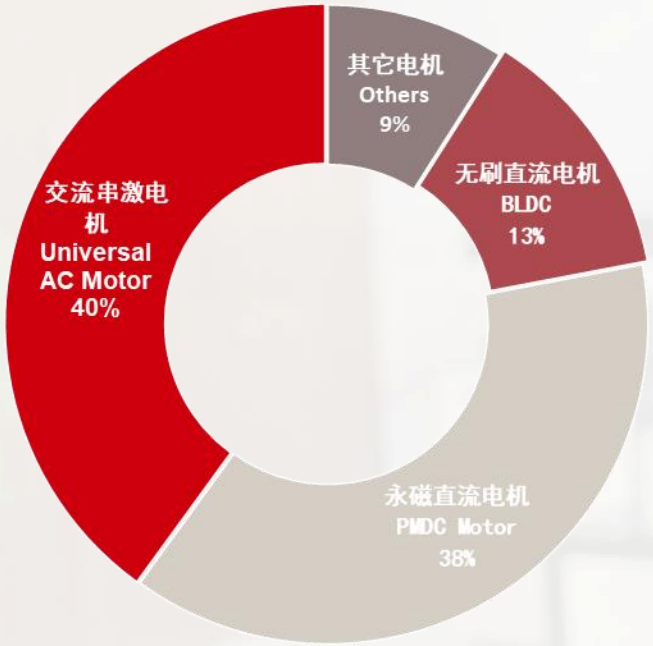


力辉电机 Power Motor

自2001年以来，力辉致力于为全球客户提供一站式电机解决方案。以先进可靠的研发技术和精益求精的生产工艺为保证和依托，为客户提供优质的产品、优良的品质和优异的服务；目前，力辉电机及其驱动系统已遍布全球，成为行业内极具影响力的品牌，不断努力为客户提升价值、创造效益。

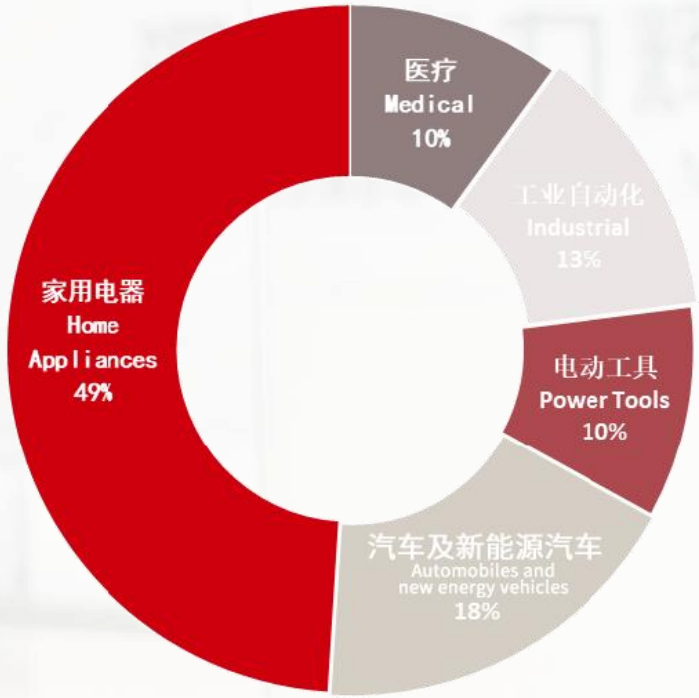
Since 2001, Power Motor has focused on delivering innovative motion solution, design, technology and superior customer value in the production of reliable motor products and motor drive systems all over the world. And its now the fastest growing company in the industry continuously striving to bring value to its customers.

产品
By Product



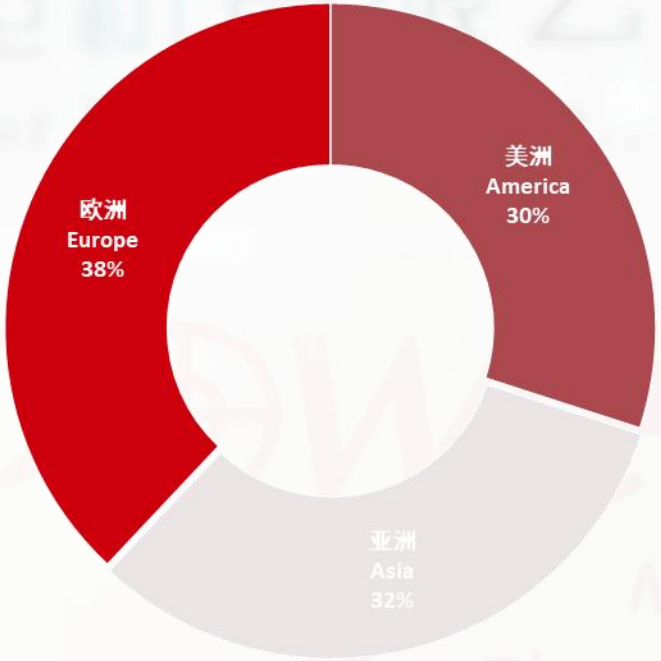
Others BLDC
PMDC Motor Universal AC Motor

应用
By Application



Medical Industrial
Power Tools Automobiles and new energy vehicles
Home Appliances

地域
By Region



America Asia Europe

PART 2

—— 产品及应用 ——

Products and Applications

主要产品
Products Overview



串激电机
AC Universal Motor



永磁直流电机
PMDC Motor



无刷直流电机
Brushless DC Motor



齿轮箱电机
Gearbox Motor

应用领域
Applications Overview

汽车及新能源汽车
Automobiles and new energy vehicles



健康智能家居
Home Appliances





自动化设备
Automation



电动工具
Power Tools



医疗康复护理
Medical & Health Care

关于汽车电机
ABOUT AUTODIVISION

关于我们：力辉电机自2010年开始研发生产汽车类电机，产品致力于改善汽车车身系统 的舒适性和电动化，包括车窗升降系统、电动座椅调节、雨刮器、电动尾门 及尾门锁、电动汽车AMT系统及智能冷却系统。

Define US: Focus on Comfort and Electromotion, including Window Lifting System ,Seat Adjustment System, Wiper System, Tail-gate and lock System,EV AMT System, EV Water Cooling System etc. Since **2010.**

我们的生产线包括：
Our Production Line includes:

- 雨刮器电机生产线Wiper Motor Line
- 座椅电机生产线Seat Motor Line
- 摇窗电机生产线Window Lifting Line
- 无刷电机生产线Brushless Motor Line
- 新能源电机生产线EV Motor Line

月产量10万台
100 thousand pcs production ability





合作伙伴 Customers

北汽集团 BAIC Group

brose Competence in Mechatronics

长城汽车 Great Wall

BYD

faurecia

长安汽车

HYUNDAI

KIA MOTORS The Power to Surprise™

GEELY 吉利控股集团 GEELY HOLDING GROUP

SAAB 瑞典绅宝

CVG Commercial Vehicle Group, Inc.

Rane Expanding Horizons

五菱汽车 品质驱动生活

PEUGEOT

JOHN DEERE



获得BSH颁发的全球优秀供应商大奖
One of Ten Excellent Supplier Awards
FROM BSH



获得中国汽车工业协会颁发的汽车电机十强的荣誉
Awarded Top ten of Vehicle Motor Supplier
FROM CAAM

主要应用
Main Applications



座椅调节电机
Seat Adjustment Motor



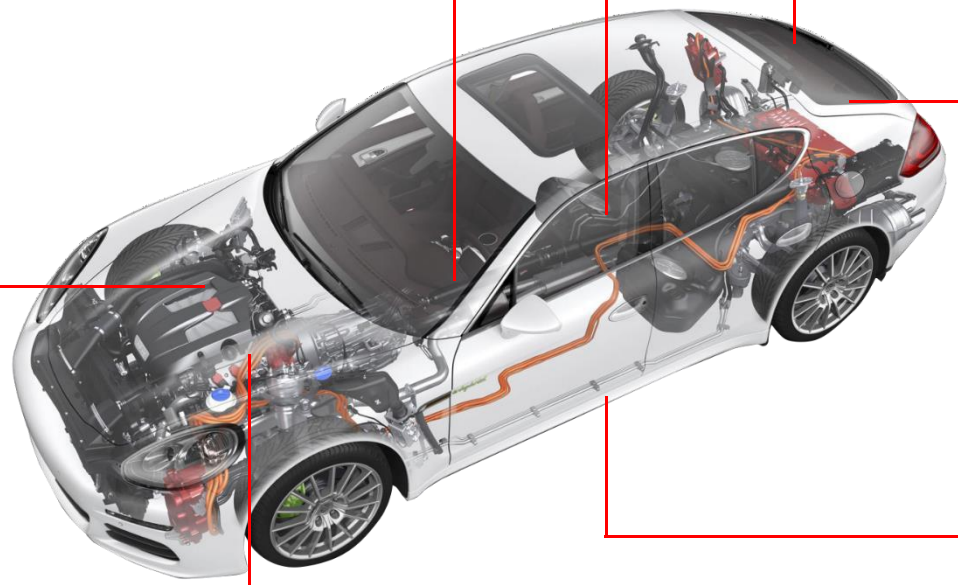
车窗升降电机
Window Lifting Motor

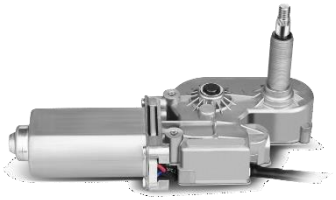


电动汽车水冷却电机
EV Cooling Motor



电动汽车AMT电机
EV AMT Motor





雨刮器电机
Wiper Motor



尾门撑杆电机
Tail-gate Lifting Motor



脚踏板电机
Pedal Lifting Motor

主要产品 Main Products



电动汽车解决方案
EV Motor Solution

主要包括以下两种类型的电机解决方案：
1.水冷系统冷却泵电机；
2.AMT系统辅助排挡电机。

Total two types of motor solutions which are developed for the New Energy Vehicles:
1. Water Cooling System
2. AMT Motor

座椅调节电机方案
超过15种型号的座椅电机供选择，包含水平电机、靠背电机、腰托电机等
Seat Adjustment Motor Solution
More than 15 types seat adjustment motors can be choose from, includes horizontal motor, recline motor, lumbar support motor etc.



车窗升降电机方案
超过10种型号的车窗电机供选择，主要分为普通摇窗及带防夹模块
Window Lifting Motor Solution
More than 10 types of window lift motor can be choose from, mainly can be divided into: anti-function type and normal one.



其他汽车电机方案
其他汽车电机解决方案包括：雨刮器电机、尾门升降及吸合锁电机、脚踏板升降电机等
Other Vehicle Assistant System Solution
Several Motor Solution can be used in Vehicles, including:
1. Wiper
2. Tail gate and Lock
3. Pedal Lifting etc.














座椅调节电机
Seat Adjustment Motor

永磁直流及无刷直流电机
-电动座椅腰托电机
-电动座椅水平调节电机
-电动座椅靠背调节电机
-电动座椅抬升电机

PMDC OR BLDC Motor for Selection
-Electric seat lumbar support Motor
-Electric Seat Horizontal Motor
-Electric Seat Recliner Motor
-Electric Seat High Motor

电动座椅水平电机
Electric seat horizontal motor



Noise:39~42dB(A)
Life:150,00cycles
Operation Temperature:
-40℃Cto80℃



Noise:39~42dB(A)
Life:15,000cycles
Operation Temperature:
-40℃Cto80℃

电动座椅靠背电机
Electric seat recliner motor



Noise:39~42dB(A)
Life:15,000cycles
Operation Temperature:
-40℃Cto80℃



Noise:39~42dB(A)
Life:15,000cycles
Operation Temperature:
-40℃Cto80℃

电动座椅抬升电机
Electric seat height adjuster motor



Noise:39~42dB(A)
Life:15,000cycles
Operation Temperature:
-40℃Cto80℃



Noise:39~42dB(A)
Life:15,000cycles
Operation Temperature:
-40℃Cto80℃



Noise:39~42dB(A)
Life:15,000cycles
Operation Temperature:
-40℃Cto80℃

电动座椅腰托电机
Electric seat lumbar support motor



Noise:39~42dB(A)
Life:30,000cycles
Operation Temperature:
-40℃Cto80℃



Noise:39~42dB(A)
Life:30,000cycles
Operation Temperature:
-40℃Cto80℃



车窗升降电机
Window Lift Motor

-普通车窗升降电机

-带防夹功能的车窗升降电机

- General Window Lift Motor

- Anti Pinch Window Lift Motor



防夹功能
Anti-Pinch
Noise:≤43dB（A）
Life:30,000cycles
Operation Temperature:
-40℃to 80℃



Noise:≤43dB（A）
Life:30,000cycles
Operation Temperature:
-40℃to 80℃

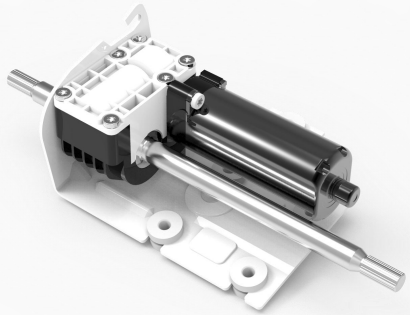
汽车尾门电机和尾翼电机

Power Lift Gate Car Tail Motor

- 低噪音；稳定性高
- 适用于汽车电动尾门
- Low Noise; Stable and Reliable Performance
- Perfect used in Lift Gate of Vehicles



Noise:46dB(A)
Life:30000cycles
Stall Torque:3.5N.m min.
Operation Temperature:
-40℃to95℃



Noise:46dB(A)
Life:10,000cycles
Stall Torque:10N.m
Operation Temperature:
-40℃to95℃

雨刮器电机
Wiper Motor

- 适用于卡车或者小轿车雨刮器
- 低噪音；稳定性好
- Different Types for Truck or Vehicles
- Low Noise; Stable and Reliable Performance
- Perfect used in the Wiper of Vehicles



Noise:50dB(A)
Life:3,000,000cycles
Operation Temperature:
-40℃to80℃



Noise:50dB(A)
Life:3,000,000cycles
Operation Temperature:
-40℃to80℃

电动汽车无刷水冷却电机

BLDC Motor for EV Cooling System



- 多种型号供选择
- 高效率：接近86%；低噪音；长寿命；节能环保
- 适用于油电混动及电动汽车
- Several Types to choose from
- High Efficiency: about 86%; Low Noise; Long Life, Energy Saving
- Perfect used in the Hybrid Electric Vehicle and Electric Vehicle

寿命Life: 2 0000 Hrs
操作温度Operation Temperature: -40℃to140℃ 防护等级Protection Class: IP67

电动汽车AMT电机
EV AMT Motor

- 适用于油电混动及电动汽车
- 紧凑型设计；可靠性高
- Perfect used in the Hybrid Electric Vehicle and Electric Vehicle
- Compact Design; Stable and Reliable Performance



噪音Noise: 55dB(A)
寿命Life: 1,000,000 cycles
操作温度Operation Temperature: -40℃to120℃



噪音Noise: 55dB(A)
寿命Life: 1,000,000 cycles
操作温度Operation Temperature: -40℃to120℃

延伸新品

座椅水平调节电机（小型化）



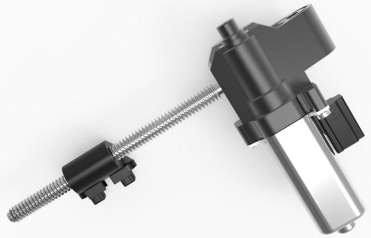
Noise:40dB(A)
Life:15,000cycles
Operation Temperature:
-40℃to80℃
EMC Class IV

方向盘调节电机



Noise:40dB(A)
Life:15,000cycles
Operation Temperature:
-40℃to80℃

座椅直推调节电机



Noise:40dB(A)
Life:15,000cycles
Operation Temperature:
-40℃to80℃

- 适用于油电混动及电动汽车
- 紧凑型设计；可靠性高
- Perfect used in the Hybrid Electric Vehicle and Electric Vehicle
- Compact Design; Stable and Reliable Performance



Noise:40dB(A)
Life:3,0000cycles
Lockself：≥2N.m
Operation Temperature:
-40℃to80℃



Noise:45dB(A)
Life:3,0,000cycles
Operation Temperature:
-40℃to80℃

家用电器
Home Appliances



电机应用 *Motor Applications*

吹风机 *Hair Dryer*

破壁机 *Blender*

空气净化器 *Air Purifier*

咖啡机 *Coffee Machine*

食物处理器 *Food Processor*

风扇 *Fan*

干手机 *Hand Dryer*

榨汁机 *Juicer*

厨房机器人 *Kitchen Robot*

搅拌机 *Mixer*

面条机 *Noodle Machine*

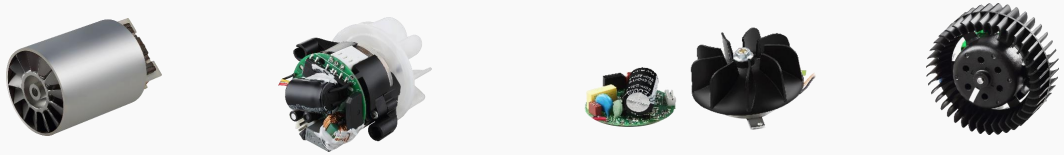
智能家居自动化 *Smart Home Automation*

真空吸尘器 *Vacuum Cleaner*

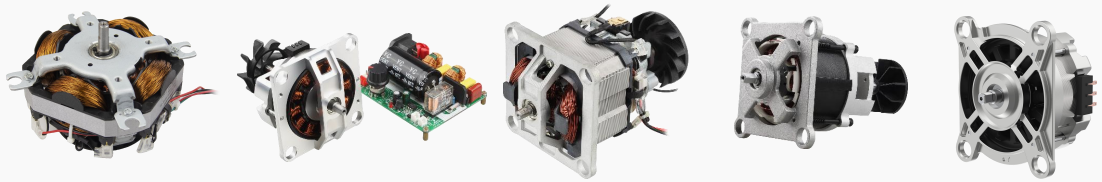
净水器 *Water Purifier*

www.power-motor.cn

吹风筒电机　Hair Dryer Motor



破壁机电机　Blender Motor



果汁机及齿轮箱电机 Juicer & Noodle Machine Motor



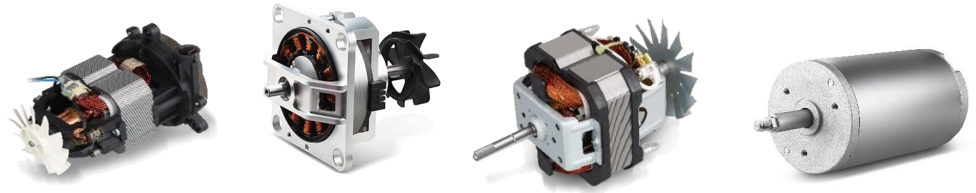
咖啡机电机&净水器　coffee machine & Purifier Motor



果汁机及搅拌器电机 Juicer & Mixer Motor



食物处理　Food Processor, Grinder



吸尘器电机,干手机，风扇电机
Vacuum Cleaner & Hand Dryer & Fan Motor



自动化设备
Automation



电机应用 *Motor Applications*

按摩椅 *Massage Chair*

智能机器人 *Smart Robot*

气泵 *Pump*

道闸 *Parking*

电动门 *Electric Door*

包装自动化 *Packing Automation*

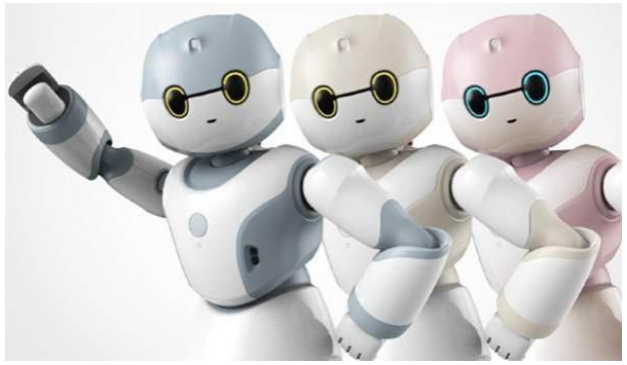
按摩椅&机器人电机&气泵
Massage Chair & Automation Motor & Air Pump

高转速、高扭矩、寿命长
High Speed, High Torque, Long Life





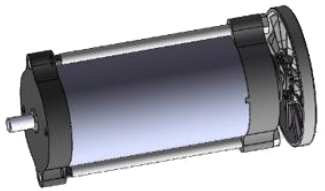
电动按摩椅无刷直流电机
Electric Massage Chair Brushless Motor
Model： PBL46 Series
Voltage：24V DC
Power：37 W
Efficiency：%
Torque：112 mN.m
Speed：3111 rpm





高扭矩智能机器人电机
High Torque Motor For Smart Robot
Model:PGM-P42
Voltage: 24V AC
Power：36W
Efficiency: 47.3%
Torque: 14N.m
Speed: 25rpm





高效率气泵无刷直流电机
High Efficiency Pump Brushless DC Motor
Model：PBL5278 series
Voltage：36V
Power：495 W
Efficiency：85.8%
Torque：0.78 N.m
Speed：7300 rpm

道闸&电动门&包装自动化
Parking & Electric Door & Packing Automation

高耐久、低噪音、寿命长
High Durability,Low Noise, Long Life



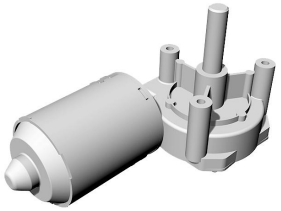






大扭矩道闸直流电机
High Torque Parking Gate DC Motor
Model：PT5250 series
Voltage：24V DC
Power：300 W
Efficiency：70.6%
Torque：1.6 N.m
Speed：3400 rpm

电动门窗电机
Power Door & window Motor



Model: PGM.W072
Voltage: 24-220V
Power：83 W
Efficiency: 36%
Torque: 16.7 mN.m
Speed: 47.8 rpm



Model： PT6062024
Voltage：24V DC
Power：273.5 W
Efficiency：69%
Torque：835 mN.m
Speed：2146 rpm



高效率自动包装线无刷直流电机
High Efficiency Packing Automation Brushless DC Motor
Model：PBL4235024 series
Voltage：24V DC
Power：111.1 W
Efficiency：82%
Torque：0.088 N.m
Speed：4651 rpm

电动工具电机
Power Tool Motor



电机应用 *Motor Applications*

磨砂机 *Sander*

电锯 *Sawing Machine*

割草机 *Trimmer*

扫地机器人 *Vacuum Cleaner Robot*

电动工具电机
Power Tool Motor

高效率、高扭矩、寿命长
High Efficiency, High Torque, Long Life



高转速磨砂机电机
High speed PMDC motor for electric tools



Model:PT7712PM-12194
Voltage: 230V
Power：57.8W
Efficiency: 59%
Speed at Max. Eff:10391 rpm
Torque at Max. Eff:53.1mN.m



高效率电钻无刷直流电机
High Efficiency Power Drill Brushless DC motor



Model:PBL4212015
Voltage: 15V
Power：14.36W
Efficiency: 66%
Speed at Max. Eff:3500 rpm
Torque at Max. Eff:40mN.m



高转速割草机电机
High speed AC motor for trimmer



Model:PU7030230-8105
Voltage: 230V AC
Power：295W
Efficiency: 64%
Speed at Max. Eff:11993 rpm
Torque at Max. Eff:167mN.m



Model:PU7630230-8105
Voltage: 230V AC
Power：305W
Efficiency: 62%
Speed at Max. Eff:12152 rpm
Torque at Max. Eff:160mN.m

电动工具&扫地机器人电机
Power Tool Motor & Vacuum Cleaner

高效率、高扭矩、寿命长
High Efficiency, High Torque, Long Life





吹草机无刷直流电机
Grass Blower Brushless DC Motor
Model ： PBL4840036
Voltage：36V DC
Power：350 W
Efficiency：74%
Torque：165 mN.m
Speed：19000 rpm





喷漆枪无刷直流电机
Paint Spray Gun Brushless DC Motor
Model:PBL4015024-5101
Voltage: 24V DC
Power：350W
Efficiency: 41%
Torque: 33 mN.m
Speed: 100000±10%rpm





高效率地刷吸尘器电机
High efficiency motor for ground vacuum cleaner
Model:PT55PM-36043
Voltage: 24v
Power：50W
Efficiency: 78%
Speed at Max. Eff:10800 rpm
Torque at Max. Eff:45mN.m

医疗康复护理
Medical & Health Care



电机应用 *Motor Applications*

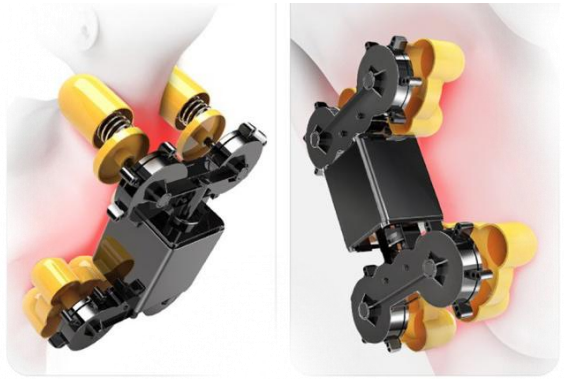
按摩椅 *Massage Chair*

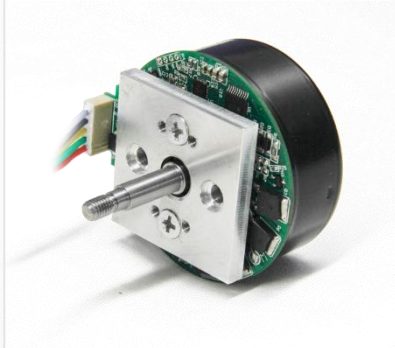
健步机 *Treadmill*

雾化器 *Nebulizer and Vaporizer*

医疗康复护理
Medical & Health Care

专业定制、高扭矩、寿命长
Customizable, High Torque, Long Life





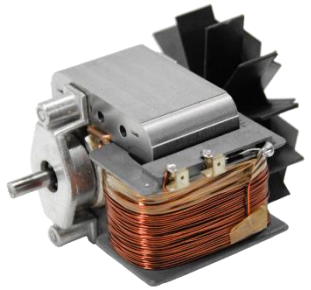
大扭矩按摩椅无刷直流电机
High Torque Massage Chair Brushless DC Motor
Model：PBL.46 Series
Voltage：24V DC
Power：79.5
Efficiency：80.1%
Torque：0.384 N.m
Speed：3700 rpm





大扭矩健步机齿轮箱电机
High Torque Treadmill DC Gear Motor
Model：PGM-W40F
Voltage：24V DC
Power：8.95 W
Efficiency：41.3%
Torque：16.66 N.m
Speed：5.1 rpm





长寿命雾化器罩级电机
High Torque Massage Chair Brushless DC Motor
Model：PS6335 Series
Voltage：100-240V/50-60Hz
Power：100 W
Efficiency：24.8%
Torque：0.11 N.m
Speed：2100 rpm

智能办公
Smart office

高精度，自锁功能，运行平稳，低噪音
High precision, self-locking function, smooth operation, low noise



桌椅升降调节电机
Seat Adjustment



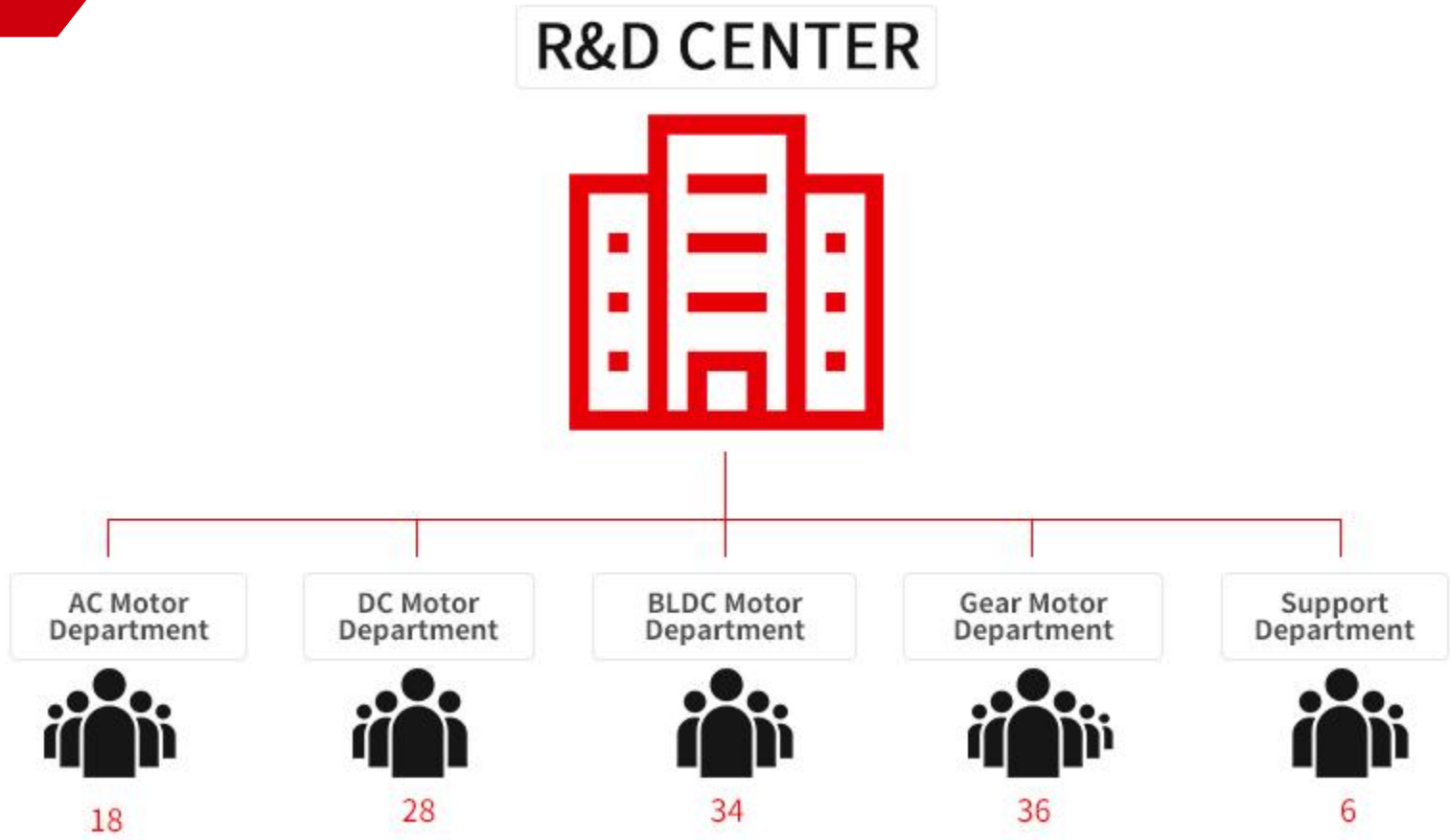


PART 3

企业实力

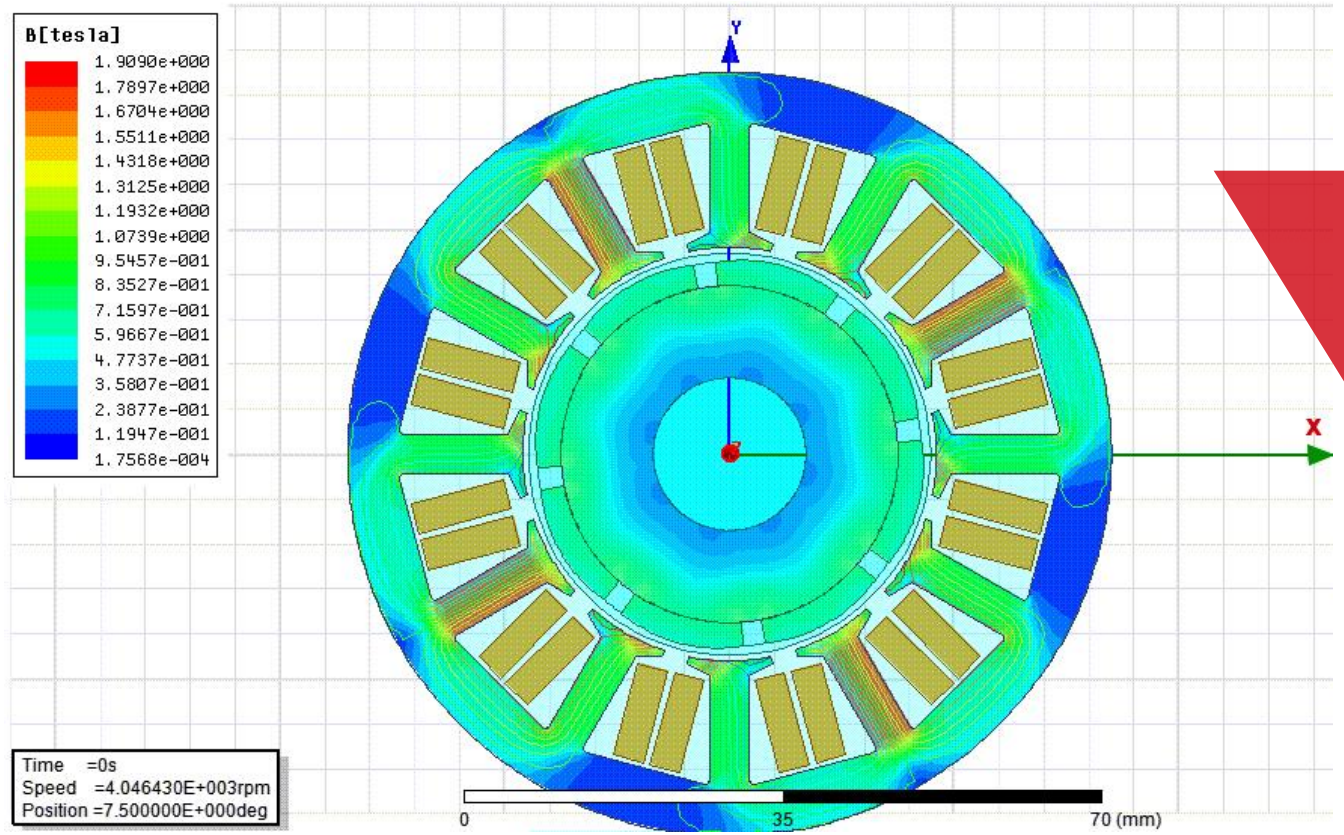
Company Strength

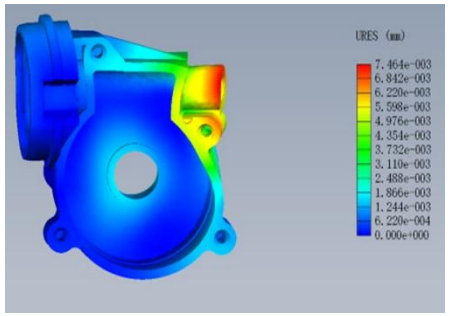
团队实力
Team Strength

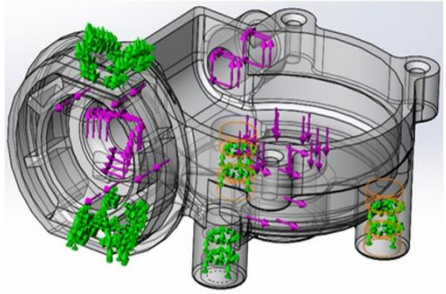


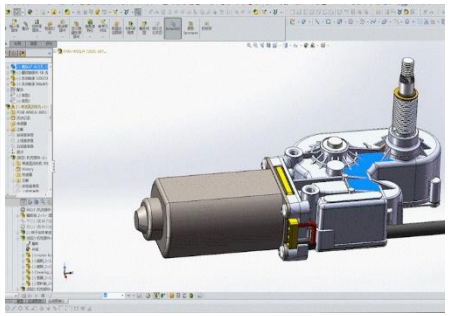
自2001年以来，力辉电机在战略上致力于电机、变速箱和集成运动解决方案的研发，
同时也注重先进的工艺和生产技术，从而以创新性的产品引领业界。

POWER have been always committed to motion technology research and innovation since 2001.









研发实力

R&D ENGINEERING

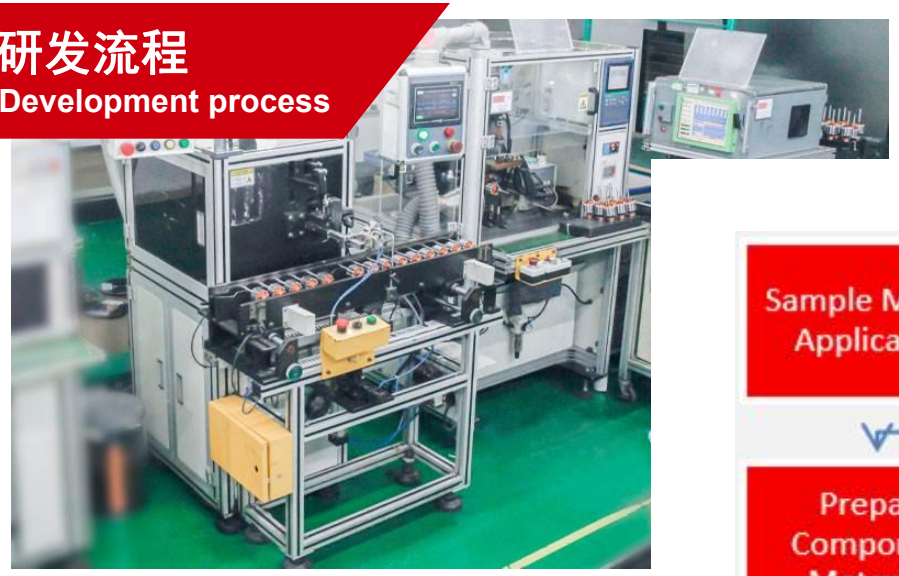
驱动技术沉淀及创新

Technology Innovation

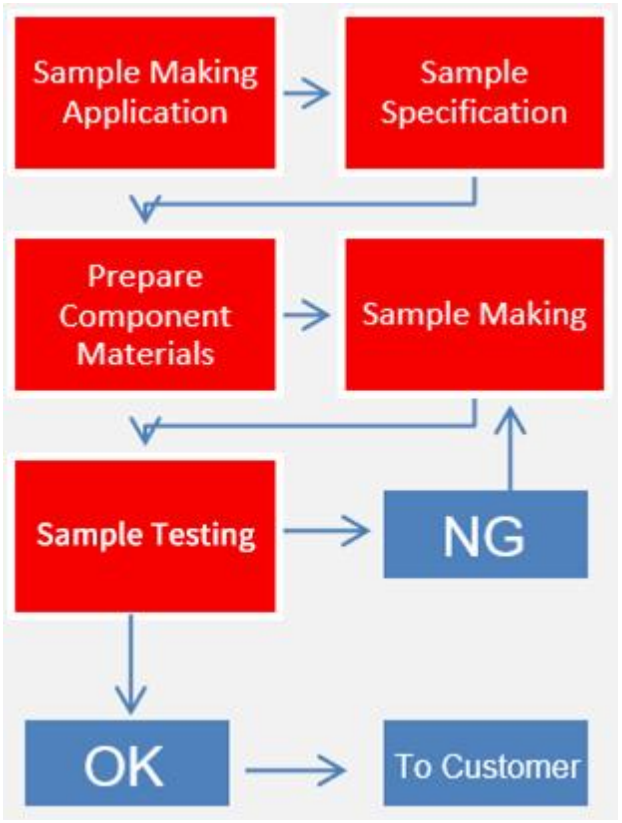
19年的电机设计和创新的解决方案经验，拥有300多项专利

19 years of Motor Design & Innovative Solution Experience with 300+ Patents Pending

规范的研发流程
Standard Development process



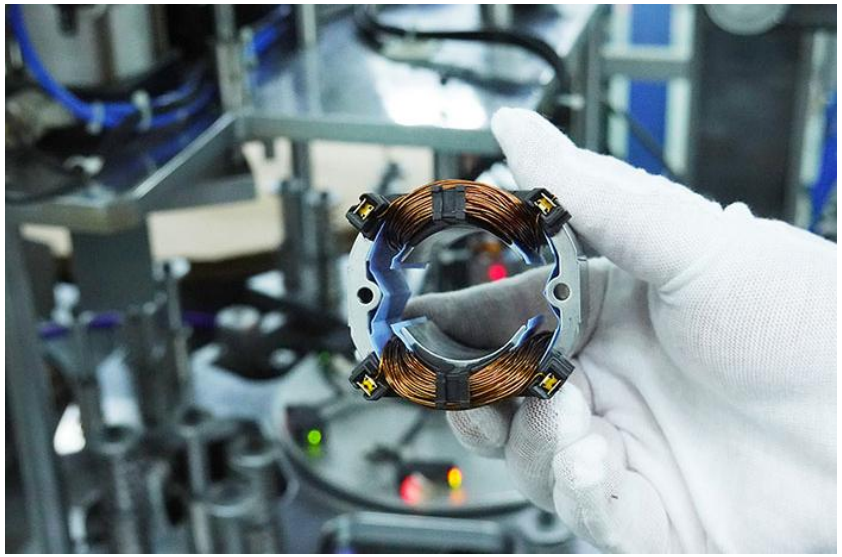








生产实力
Production Strength


生产工艺

Manufacturing Technique

力辉电机从成立之初就非常重视现代工艺和生产技术，从电机方案设计阶段就考虑生产工艺的合理性和便捷性；成立专门的部门负责国内外先进生产工艺及技术的引进、本土化及创新，构建业界领先的电机生产工艺体系及创新模式；不但提高了品质统一性，而且降低了生产成本。

POWER continue to introduce the international advanced production technology, and improves the corresponding production technology according to the customer's demand, so as to meet or exceed the customer's demand.

生产实力
Production Strength







智能大批量制造先进设备

Intellegent High Volume Manufacturing

72,000㎡自动化和数字化制造设施以及扩展

72,000㎡ Automated & Digitized Manufacturing Facility And Expanding

力辉电机2010年就成立自动化工程部，全面负责自动化生产线的引进、落地和升级改造，结合市场趋势自主开发高效自动化生产线，改进生产工艺及技术，不断提高自动化程度。力辉电机拥有40多条高效的半自动和自动生产线，主要分为四大类型：交流电机、有刷直流电机、无刷直流电机和齿轮减速电机自动化生产线，所有自动生产线均配有伺服机械手，使生产效率和产品质量的一致性都处于业界领先。

POWER has more than 40 advanced automatic production lines (such as PBL, PT, PU, and PGM), which greatly improves the production capacity, reduces the cost, and ensures the consistency of product quality. POWER also set up the automation department, actively improve and upgrade the existing production line, and on this basis, build its own automatic production line with complete intellectual property rights, strive for excellence.

质量控制
Quality Control









信任可靠的管理

Quality & Reliability Policy

力辉电机的品质保证(QA)管理体系细化到设计、打样、生产工序和质量检测的每一个环节中，实现每个环节质量可追溯，确保产品品质符合或者超越客户标准。

The quality assurance (QA) management system is refined to every link of design, sample, production and quality, so as to realize the quality traceability of every link and ensure that the product quality meets or exceeds customer standards.

质量控制
Quality Control



EER中心
EER CENTER

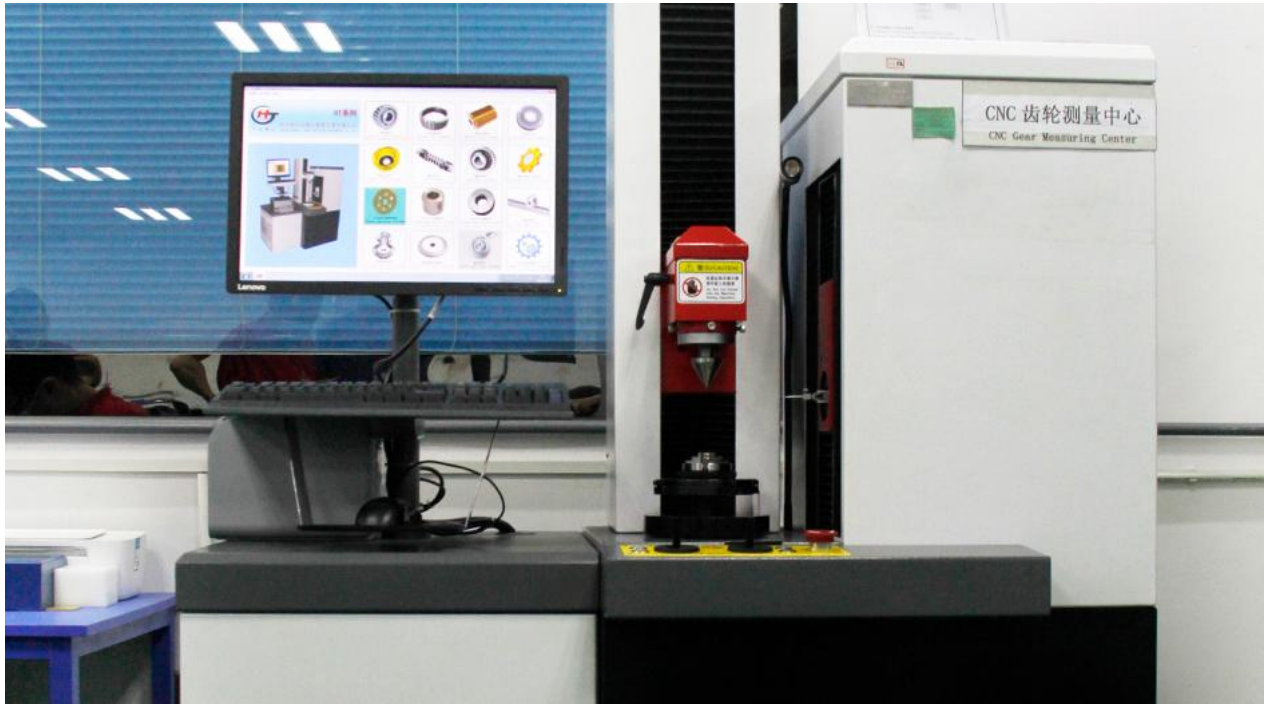
齿轮测量仪Gear measuring instrument

三坐标测量仪Coordinate Measuring Machine

光洁度测试Surfcorde

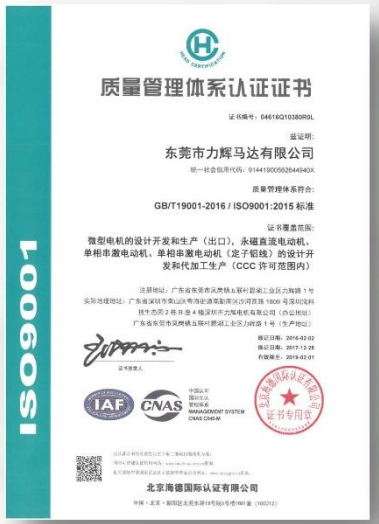
真圆度测试Roncorde

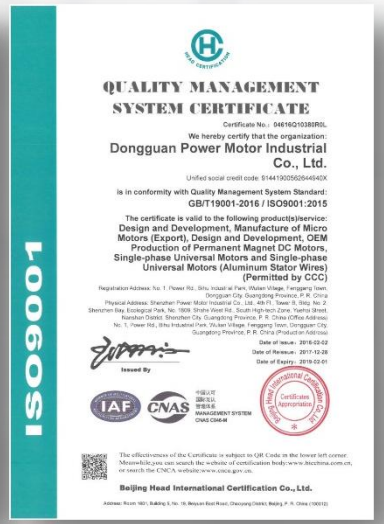




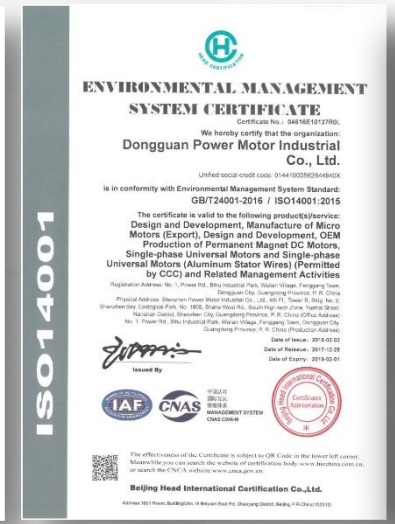
资质证书
Certificates

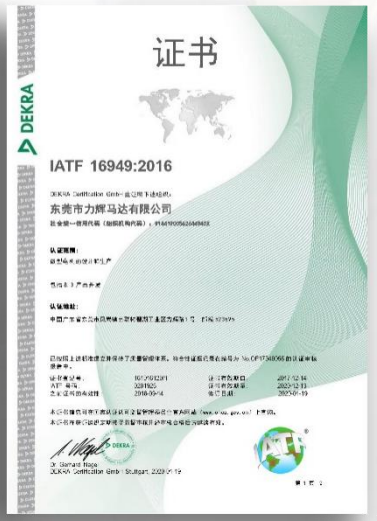
可靠的运动解决方案提供商和制造商
Reliable Motion Solution Provider & Manufacturer

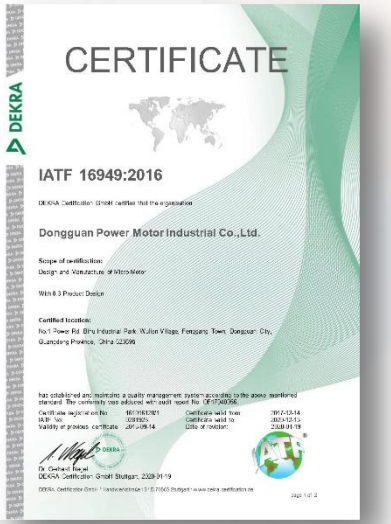














愿景 Mission

成为全球可靠的电机方案供应商和制造商

Become the reliable Motor Solution Provider & Manufacturer around the world

power®
Motor Powers Life

THANK YOU !

Motor Powers Life

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Tel： 86-0755-36899898

Email：info.power@power-motor.com

