

泰隆集团

TAILONG GROUP



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江苏泰隆减速机股份有限公司

JIANGSU TAILONG DECELERATOR MACHINERY CO.,LTD

2024



做中国减速机行业的领跑者
To be the leader in reducer industry of China



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公司介绍 Introduction

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- 2、企业文化 Corporate culture
- 3、员工概况 Employee profile



一、公司介绍 I. Introduction



1、公司简介 Overview



- ◆ 全国减速机行业**十强企业 Top 10 Enterprises** in National Speed Reducer Industry
- ◆ 全国减速机行业**首个中国名牌、中国驰名商标 The first** Chinese famous brand and China well-known trademark in the national speed reducer industry
- ◆ 全国减速机协会**理事长单位 President unit** of National Association on Reducer of China
- ◆ 全国**首家**核电齿轮箱制造商，填补国内空白 **The first** nuclear power gearbox manufacturer in China, filling the domestic gap
- ◆ 全国减速机标准化技术委员会**(SAC/TC357)秘书处单位 Secretariat of** National Technical Committee (SAC/TC357) on Reducer of Standardization Administration of China
- ◆ 主持制定国内首个《行星齿轮传动设计方法》国家标准 Presided over the development of the domestic first national standard of Design methods for planetary gear drives
- ◆ 国家知识产权示范企业 State Intellectual Property Model Enterprise





一、公司介绍 I. Introduction



2、企业文化 Corporate culture

1982-2022, 40年的文化沉淀

Cultural deposit in 40-year span from 1982 to 2022



1982-1987

公司初创 Company start-up

1988-1998

量的裂变 Quantitative fission

1999-2022

质的飞越 Unprecedented
advancement of superior quality

2023-Future

转型升级 Transformation and
upgrading

岩石缝隙艰辛探索闯市场
Challenging market exploration
from scratch

企业迁址拓宽空间大发展
Enterprise relocated to broaden
spatial development

体制改革释放潜能谱新篇
A new chapter on potential unleash from
institutional reform

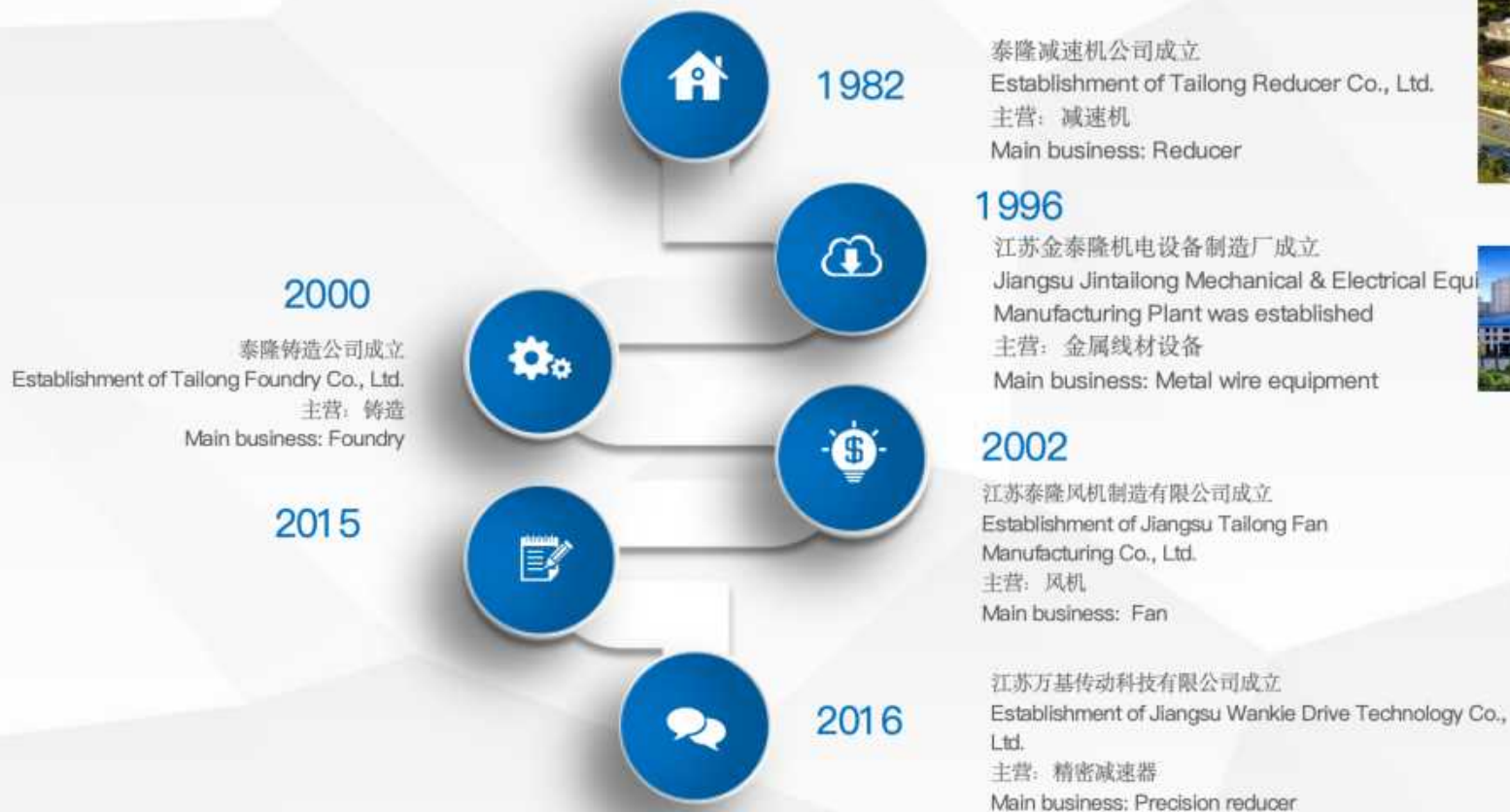
新常态下凤凰涅槃再出发
Revival and reinvention in the
era of new norm



一、公司介绍 I. Introduction



2、企业文化 Corporate culture





一、公司介绍 I. Introduction



2、企业文化 Corporate culture



办公楼
Office building



会议中心 Conference
center



综合楼
Multi-purpose building



厂 房
Plant building





一、公司介绍 I. Introduction



2、企业文化 Corporate culture



车间一景
Workshop
view





一、公司介绍 I. Introduction



2、企业文化 Corporate culture





一、公司介绍 I. Introduction



2、企业文化 Corporate culture



使命 Mission

为工业传动调速，为民族振兴加油
Adjust the speed for industrial transmission, and refuel for national rejuvenation

愿景 Vision

做中国减速机行业的领跑者
To be the leader in reducer industry of China

价值观 Value

以顾客为中心，以员工为根本
Customer oriented and employee oriented



一、公司介绍 I. Introduction



3、员工概况 Employee profile

集团现有员工2300余人,

The Group currently has more than 2300 employees,
其中:

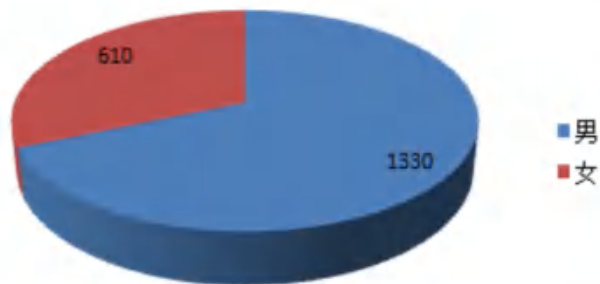
Among which:

- 大专以上学历以上人员32%.
- 32% of the employees with college education or above.

整个人才结构呈现专业化、知识化。

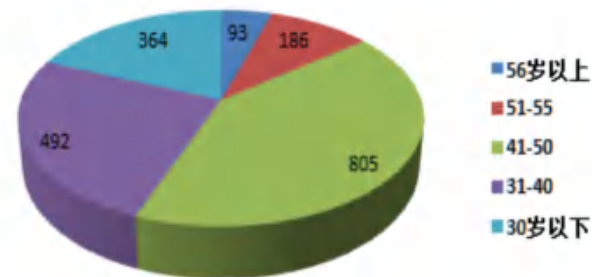
The talent structure as a whole is characterized by
professionalism and knowledge-based expertise.

性别构成



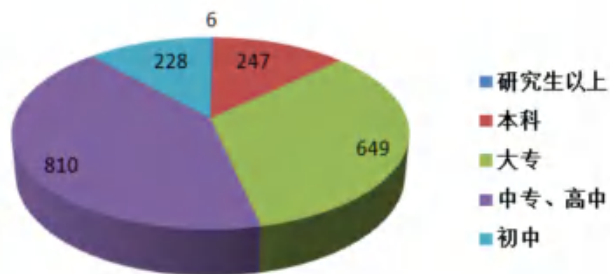
【员工性别构成分布图】
[Age Composition of Employees]

年龄构成



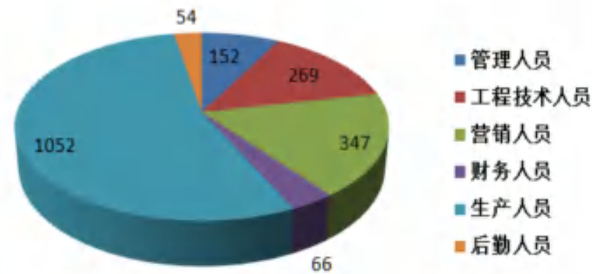
【员工年龄构成分布图】
[Gender Composition of Employees]

学历构成



【员工学历构成分布图】
[Education Composition of Employees]

专业能力构成



【员工专业能力构成分布图】
[Professional Competence Composition of Employees]



- 1、主要产品 Main Products
- 2、市场分布 Market distribution

产品及市场 Products and Markets



二、产品及市场II. Products and Markets



1、主要产品 Main Products



标准工业齿轮传动装置

Standard industrial gear drives

- 五大传动型式，包含国内外各类机型 Five drive types, including various types at home and abroad
- 模块化产品系列，与国际产品并驾齐驱 Modular product range, on par with international products



高端定制齿轮箱

High-end customized gearbox

- 客制化开发与制造 Customized development and manufacturing
- 高效可靠的整体传动方案 Efficient and reliable overall transmission scheme
- 重、大、特的产品特色 Important, major and special product features



精密传动减速器

Precision drive reducer

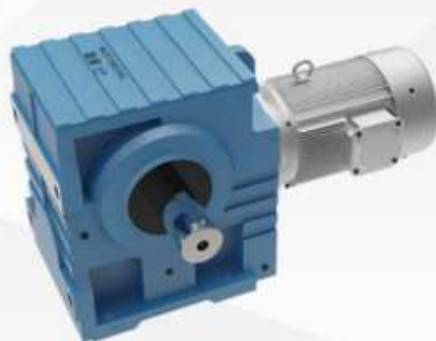
- 高精度的制造能力 High-precision manufacturing capacity
- 专利化技术 Patented technology



二、产品及市场II. Products and Markets



1、主要产品Main Products





二、产品及市场II. Products and Markets



1、主要产品Main Products

重点行业领域



起重行业领域



冶金行业领域



建材行业领域



化工行业领域



矿山行业领域



工程机械领域





二、产品及市场II. Products and Markets



2、市场分布 Market distribution

重点应用

重点工程：三峡工程、嫦娥一号发射基地、杭州湾跨海大桥、北京奥体馆、上海世博会等国家重点工程。



减速机成功应用于三峡大坝工程



杭州湾跨海大桥



嫦娥一号发射基地



北京奥体馆



上海世博会



二、产品及市场II. Products and Markets



2、市场分布 Market distribution

工业机器人领域
Industrial robot field



BXJ-E系列精密减速器
BXJ-F series precision reducer



BXJ-C系列精密减速器
BXJ-C Series precision reducer



BXJ-F系列精密减速器
BXJ-RD Series precision reducer



BXJ-RD系列精密减速器
BXJ-E Series precision reducer



谐波齿轮减速器
Harmonic gear reducer

- 国家重点研发计划项目课题专项
Special subject of National Key R&D Program
- 江苏省重大成果转化项目
Key achievements transformation programs in Jiangsu Province
- 获得授权专利18项，其中发明专利9项。
Obtained 18 authorized patents, including 9 invention patents.



二、产品及市场II. Products and Markets



2、市场分布 Market distribution



公司构建直销为主、经销为辅，并结合电子商务的一位一体的营销模式，实现了销售模块化、互联网+和复合型销售的不断转型升级。

The company has established a marketing model with direct sales as the main and distribution as the supplement, integrated with e-commerce, thereby achieving continuous transformation and upgrading in modular sales, Internet+, and compound sales.

国内市场划分华东区、西南区、西北区、东北区四大区域，设立四个市场管理中心，以此为基础在全国范围内布局300多个办事处，实行服务前置、驻厂销售和技术销售。

The domestic market is divided into four regions: East China, Southwest China, Northwest China, and Northeast China. Four market management centers have been established. Building upon this foundation, over 300 offices have been strategically deployed nationwide to facilitate pre-service consultations, on-site sales support, and technology-driven sales initiatives.



创新赋能 Innovation & empowerment

1、技术创新

Technological Innovation

2、质量保证

Quality assurance

3、人才支撑

Talent support

4、高精装备

High-precision equipment

5、精益管理

Lean management

6、数字工厂

Digital factory

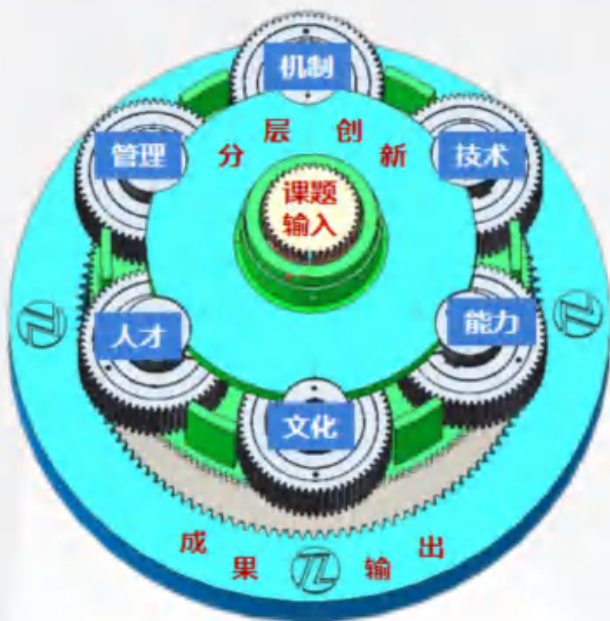


三、创新赋能 Innovation & empowerment



1、行业领先的技术创新能力 Industry-leading technology innovation capacity

创新体系 Innovation system



"1+6+1"泰隆技术创新模式

"1"——表示课题输入

"6"——分别代表机制创新、技术创新、能力创新、文化创新、人才创新、管理创新，相互依靠、有序运转。

"1"——表示成果输出。

"+"——表示分层创新的联合研发平台，包括企业技术中心、工程研究中心、工业设计中心及其他纵、横向研发机构。

"1+6+1" Tailong technology innovation mode

1"—Represent the subject input

"6"— Respectively represent mechanism innovation, technology innovation, capability innovation, culture innovation, talent innovation and management innovation. Mutual dependence and orderly operation.

"1"——Represent the result output.

"+"——Represent the joint R&D platform for layered innovation, including enterprise technology center, engineering research center, industrial design center and other vertical and horizontal R&D organizations.





三、创新赋能 Innovation & empowerment



1、行业领先的技术创新能力 Industry-leading technology innovation capacity

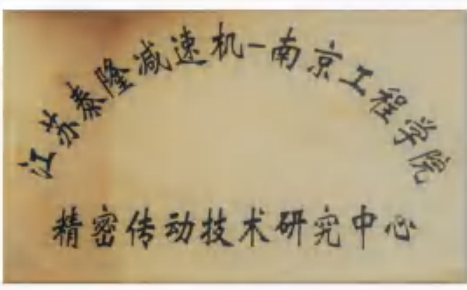
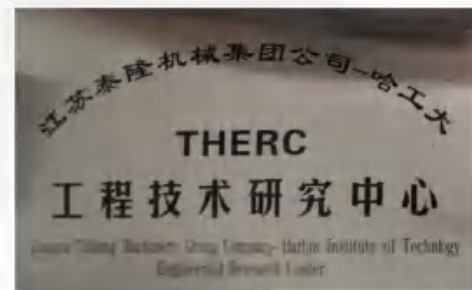
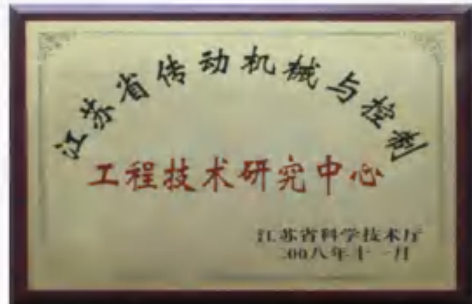
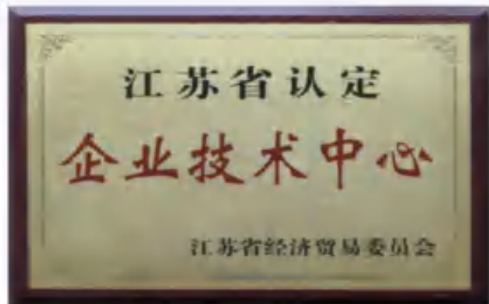
领先的科技创新平台，打造科技成果孵化器

Leading scientific and technological innovation platform, creating an incubator of scientific and technological achievements

一处 One secretariat
五中心 Five centers



产学研合作
Industry-university-research
cooperation





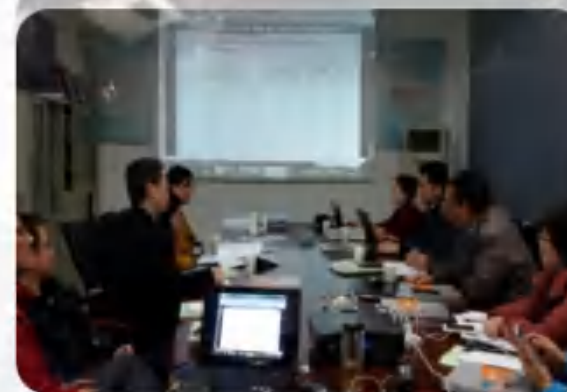
三、创新赋能 Innovation & empowerment



1、行业领先的技术创新能力 Industry-leading technology innovation capacity

领先的科技创新平台，打造科技成果孵化器

Leading scientific and technological innovation platform, creating an incubator of scientific and technological achievements



课题采取“产、学、研、用”结合方式，企业作为创新成果承上启下的载体，对课题研究的内容以技术交流、审查会、讨论会的形式进行充分的交流和论证。

The subject adopts the integration of "industry, university, research, and utilization". As the carrier of innovative achievements, enterprises effectively communicate and showcase the research contents of the subject through technical exchanges, review meetings, and seminars.



三、创新赋能 Innovation & empowerment



1、行业领先的技术创新能力 Industry-leading technology innovation capacity

序号 S/N	项目类型 Type of program	主管部门 Competent department	名称 Description	主持/参与 Preside over /participate in	国拨资金 Funds allocated by the state
1	科技成果转化 Transformation of scientific and technological achievements	省科技厅 Provincial Department of Science and Technology	核电等大功率齿轮箱 Nuclear power and other high-power gearboxes	项目承担 Program undertaking	800
2	科技成果转化 Transformation of scientific and technological achievements	省科技厅 Provincial Department of Science and Technology	工业机器人减速器 Industrial robot reducer	项目承担 Program undertaking	1000
3	国家科技支撑计划 National Sci-Tech Support Plan	科技部 Ministry of Science and Technology	起重机轻量化减速器 Crane lightweight reducer	课题承担 Topic undertaking	513
4	国家重点研发计划 National Key Research and Development Program	科技部 Ministry of Science and Technology	多物理量综合作用多齿啮合效应与减速器优化设计 Multi-tooth engagement effect of multiphysical comprehensive action and the optimized design of reducer	课题参与 Topic participation	30
5	国家重点研发计划 National Key Research and Development Program	科技部 Ministry of Science and Technology	RV减速器关键零件抗疲劳制造工艺及试验 Manufacturing process and test of fatigue resistance of key parts of RV reducer	课题参与 Topic participation	73
6	国家重点研发计划 National Key Research and Development Program	科技部 Ministry of Science and Technology	RV减速器高效精密抗疲劳制造技术及数据包 Manufacturing technology and data package for efficient and precision anti-fatigue of RV reducer	课题参与 Topic participation	114.5
7	国家重点研发计划 National Key Research and Development Program	科技部 Ministry of Science and Technology	传感器在谐波减速器和RV减速器的应用验证 Application verification of sensor in harmonic reducer and RV reducer	课题参与 Topic participation	



国家、省级奖项
National and provincial awards



序号 S/N	奖项类型 Type of award	等次 Grade	获奖时间 Time of Award
1	中国机械工业科学技术进步奖 China Mechanical Industry Science and Technology Progress Awards	二等奖 2nd prize	October 25, 2018
2	中国商业联合会科技进步奖 China General Chamber of Commerce Science and Technology Progress Award	二等奖 2nd prize	November 15, 2018
3	江苏省科学技术奖 Jiangsu Science and Technology Award	二等奖 2nd prize	March 29, 2019
4	江苏机械工业科技进步奖 Jiangsu Machinery Industry Science and Technology Progress Award	一等奖 1st prize	November 15, 2018
5	广西机械工程学科技会科技进步奖 Science and Technology Progress Award of Guangxi Society of Mechanical Engineering	一等奖 1st prize	November 15, 2022



三、创新赋能 Innovation & empowerment



1、行业领先的技术创新能力 Industry-leading technology innovation capacity

产学研合作清单 List of industry-university-research cooperation

序号S/N	合作年份 Year of cooperation	合作学校 Cooperative Schools	合作研发项目 Cooperative R&D project	研发周期 R&D cycle	合作时间 Time of cooperation
1	2018	燕山大学 Yanshan University	工程车辆高性能轮边滚柱活齿减速机 High-performance wheel-side roller movable gear reducer for engineering vehicles	3 years	2018-2020
2	2018	青岛理工大学 Qingdao University of Technology	大功率重载齿轮箱装置 High-power heavy-load gear box device	3 years	2018-2020
3	2018	福州大学 Fuzhou University	机器人及其他精密工业装备行业高性能摆线钢球减速机 Robot and other precision industrial equipment industry High-performance cycloidal steel ball reducer	3 years	2018-2020
4	2019	燕山大学 Yanshan University	极地用复合圆柱活齿减速机研发及产业化 R&D and industrialization of composite cylindrical movable gear reducer for poles	3 years	2019-2021
5	2020	河北师范大学 Hebei Normal University	履带车辆轮边减速器动态优化设计研究 Research on dynamic optimum design of wheel retarder for crawler vehicle	3 years	2020-2023
6	2021	河北师范大学 Hebei Normal University	永磁同步电机研发及产业化 R&D and industrialization of permanent magnet synchronous motor	3 years	2021-2025



三、创新赋能 Innovation & empowerment



1、行业领先的技术创新能力 Industry-leading technology innovation capacity

专利 Patent



截至2023年8月，拥有授权专利351件，其中发明专利61件。

As of August 2023, the company had possessed 351 authorized patents, including 61 invention patents.

标准 Standard

主持或参与制定国家或行业标准18项，团体标准3项。

Presided over or participated in the formulation of 18 national or industrial standards.
3 items of group standard.





三、创新赋能 Innovation & empowerment



2、泰隆质量管理模式 Tailong Quality Management Mode

“六轮相传，一架为心”的质量管理模式

Quality management mode featuring "Six interlocking gears drive one another on a platform featuring central planetary axis"

运用系统管理理论，结合主流产品行星减速机传动结构模型，提炼出了具有泰隆鲜明特色的“六轮相传，一架为心”质量管理模式。

The system management theory is utilized in conjunction with the mainstream product planetary gear drive structure model, refined as quality management mode of "Six interlocking gears drive one another on a platform featuring central planetary axis" with the distinctive characteristics of Tailong.

行星传动结构具有均载、功率分流、高效等特点，是目前减速机行业主流传动方式，行星减速机也是我们泰隆的主打产品。

The planetary transmission structure possesses the characteristics of load sharing, power distribution, and high efficiency, making it the prevailing mode of transmission in the current reducer industry. The planetary reducer also serves as the mainstream product at Tailong.

战略领航——响应产业方针，实施企业战略。

Strategy guidance - Respond to industry guidelines and implement corporate strategies.

绿色发展——倡导绿色装备，精益低碳和谐。

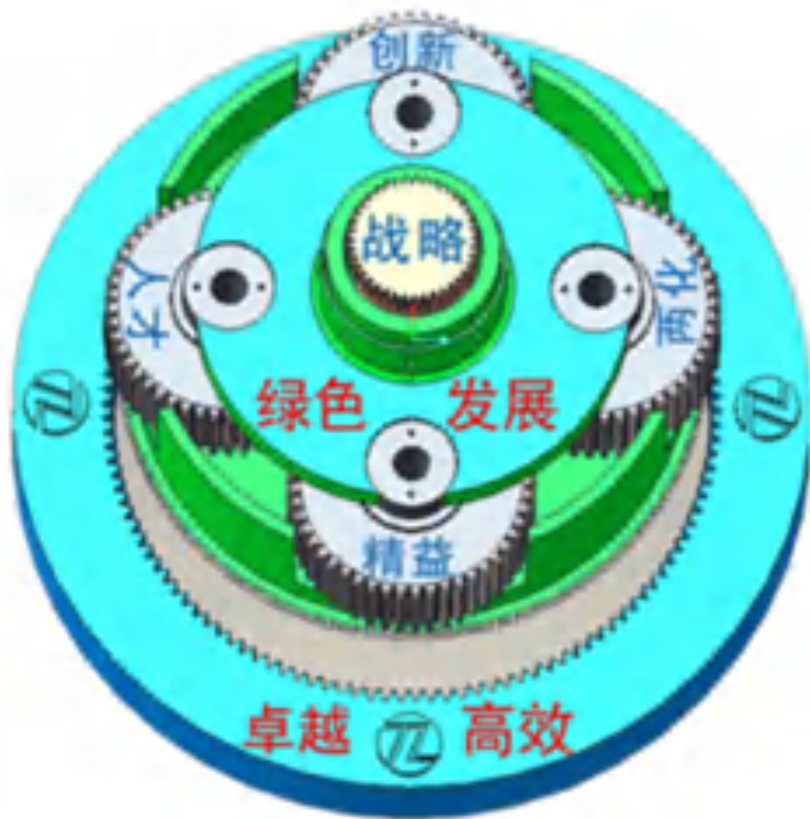
Green development - Advocate green equipment and lean low-carbon harmony.

协调平衡——共享资源要素，事业齐头并进。

Coordination and balance - Share resource elements and keep pace with the cause.

卓越高效——坚持卓越提升，实现双效高质。

Excellence and efficiency - Uphold the pursuit of excellence and continuous improvement to attain dual efficiency and superior quality.



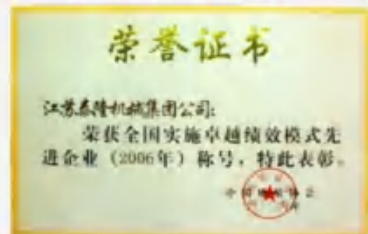


三、创新赋能 Innovation & empowerment



※ 卓越历程 Journey of excellence

首获全国实施卓越绩效模式先进企业 Won the title of National Advanced Enterprise Implementing Excellent Performance Mode for the first time



2006

全国机械工业质量奖
National Machinery Industry Quality Award



2011

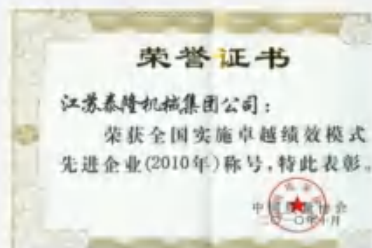


江苏省
省长质量奖
提名奖
Jiangsu Province
Provincial Governor
Quality Award
Nomination Award

2020

2010

再获全国实施卓越绩效模式先进企业
Re-won the title of National Advanced
Enterprise Implementing Excellent
Performance Mode



2017



泰兴市市长质量奖
Taixing Mayor Quality Award

2018



泰州市市长质量奖
Taizhou Mayor Quality Award



三、创新赋能 Innovation & empowerment



3、人才支撑 Talent support

民营企业领导者，成功实现企业家传承

Leaders of private enterprises, successfully realizing the inheritance of entrepreneurs



殷爱国
总经理
General manager
Yin Aiguo

- 中国通用机械工业协会减变速机分会理事长
President of Speed Reducer/Variator Branch under China General Machinery Industry Association
- 江苏省工商联副主席
Vice Chairman of Jiangsu Province Federation of Industry and Commerce



殷根章
董事长
President
Yin
Genzhang

- 全国优秀企业家
National Excellent Entrepreneur
- 江苏省劳动模范
Model worker of Jiangsu Province
- 江苏省改革开放四十年风云人物
Man of the Year of Jiangsu Province in the 40th Year Anniversary of Reform and Opening up





三、创新赋能 Innovation & empowerment



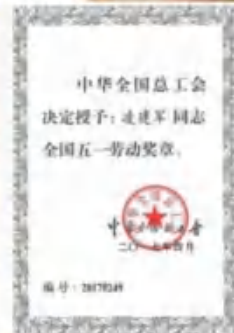
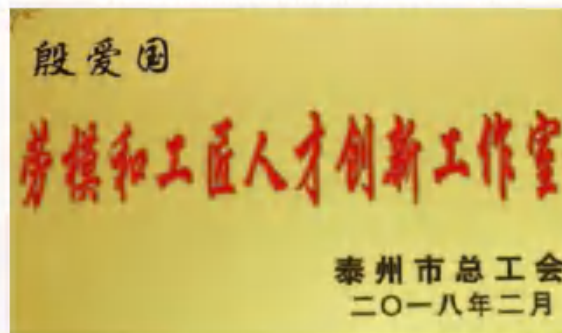
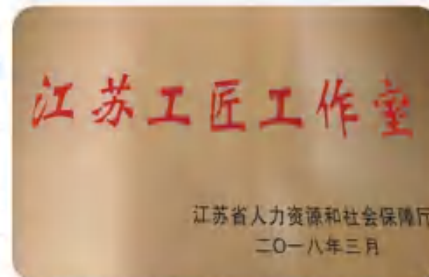
3、人才支撑 Talent support

序号 S/N	荣誉 Honors	数量 Quantity
1	全国劳模 National Model Worker	1
2	全国五一劳动奖章 National May 1 Labour Medal	1
3	江苏省劳模 Model worker of Jiangsu Province	1
4	省333、市311高层次人才 Provincial 333 and Municipal 311 High-level Talents	13
5	省有突出贡献的中青年专家 Provincial young and middle-aged experts with outstanding contributions	4
6	省企业首席技师 Provincial enterprise chief technician	3
7	江苏工匠 Jiangsu craftsmen	2
8	泰州市劳模 Taizhou Municipal Labor Model	5
9	泰州工匠 Taizhou craftsmen	1
10	泰兴工匠 Taixing craftsmen	2
11	省级高层次创新创业人才 Provincial high-level innovation and entrepreneurship talents	4
12	市级高层次创新创业人才 Municipal high-level innovation and entrepreneurship talents	5
13	高工及高级技师 Senior engineer and senior technician	27

江苏2020年全国劳动模范和先进工作者推荐人选公示

新华日报新华红
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根据省委办公厅、省政府办公厅《关于做好江苏省2020年全国劳动模范和先进工作者推荐评选工作的通知》要求，为做好全国劳动模范和先进工作者评选表彰工作，实现评选过程让群众参与、推荐结果让群众认可，体现公开、公平、公正原则，充分发扬民主，接受社会监督，现将江苏省2020年全国劳动模范和先进工作者推荐人选以及备用人选予以公示。公示时间为2020年5月19日至5月25日。





三、创新赋能 Innovation & empowerment



4、高精装备 High precision equipment

智能生产设备
Intelligent production equipment



摆线定子数控成型磨床
Wire stator CNC formed grinder
瑞士美盖勒
Mägerle, Switzerland
加工精度达4级
Machining accuracy up to Level 4
价值人民币1670万
Value RMB 16.7 million



数控成形磨齿机
CNC formed gear grinder
德国纳尔斯
NILES, Germany
加工精度等级为4级
Machining accuracy up to Level 4
最大加工外齿3米，内齿2.5米价值人民币1500万元
Maximum machining of external teeth up to 3 m and
internal teeth up to 2.5 m, with machining value of 15
million yuan



准双曲面锥齿轮磨齿机
Hypoid gear grinding machine
美国格里森
Gleason, USA
加工精度可达4级
Machining accuracy up to Level 4
价值人民币875万元
Value RMB 8.75 million



三、创新赋能 Innovation & empowerment



4、高精装备 High precision equipment

智能热处理设备
Intelligent heat treatment equipment



井式渗碳炉
Pit-type carburizing furnace

奥地利爱协林
Austria Aichelin

加工速度提高30%

Machining speed increased by 30%

工件合格率提升5%

Workpiece qualification rate increased by 5%

加工直径1.5米两台/2米四台/3米一台

Machining diameter 1.5m 2 sets/2m 4 sets/3m 1 set

总价值2200万元人民币

Total value: RMB 22 million



箱式多用淬火炉
Box-type multipurpose quenching furnace

奥地利爱协林
Austria Aichelin

氮碳共渗工艺

Nitrocarbonitriding process

工件合格率提升了5%

Workpiece qualification rate increased by 5%

拥有八台套

Eight sets available

单台价值人民币335万元

Value of single set: 3.35 million yuan



真空炉热处理线
Vacuum furnace heat treatment line

日本IHI
Japan IHI

晶间腐蚀，变形小。

Intergranular corrosion with minimal deformation

工艺时间短，淬火硬度高、组织好

Short process time, high quenching hardness and good structure

价值人民币1000万元

Valued RMB 10 million



三、创新赋能 Innovation & empowerment

4、高精装备 High-precision equipment

热处理中心
Heat Treatment Center



真空渗碳炉生产线 Vacuum carburizing furnace production line



箱式多用炉生产线 Box-type multi-purpose furnace production line



三、创新赋能 Innovation & empowerment



4、高精装备 High-precision equipment

智能检测设备
Intelligent test equipment



减速机整机性能测试中心
Reducer performance test center
2000kW大功率
2000KW high power
行业中检测功能齐全、仪器先进
Complete detection functions and advanced instruments in the industry



格里森齿轮测量中心
Gleason Gear Measuring Center
美国 US
最大检测齿轮直径: 1.5米,
Maximum tested gear diameter: 1.5m,
测量精度可达2级,
Measurement accuracy up to Level 2,
与克林贝格并称全球精度
together with Klingelnberg
最好齿轮测量仪
termed as the global precisest gear gauge
属于复合型的齿轮测量中心
Belonging to the gear measurement center of composite type
价值400万
Valued RMB 4 million



ML203020龙门式三坐标
ML203020 Gantry type three-coordinate
西安爱德华
Xi'an Hi-tech AEH
测量精度可达5 μ m,
Measurement accuracy up to 5 μ m,
用于箱体、轴类等零部件尺寸及形位公差检测。
For test of dimensions and geometric and positional tolerances of box, shaft and other parts.
测量精度和测量范围均处行业领先
The measurement accuracy and measurement range are industry leading
价值200万
Valued RMB 2 million



三坐标测量仪
Three-coordinate measuring instrument
德国卡尔蔡司
Carl Zeiss, Germany
检测精度从原来的5%毫米上升到1%毫米
The detection accuracy rises from the original 5 % mm to 1 % mm
价值300万元
Valued RMB 3 million



三、创新赋能 Innovation & empowerment



4、高精装备High-precision equipment

减速机全生命周期检测中心
Reducer whole life cycle testing center



理化室
Physical & chemical laboratory

金相室
Metallography room

三坐标测试室
Three-coordinate test room

综合性能测试中心
Comprehensive performance test center



三、创新赋能 Innovation & empowerment



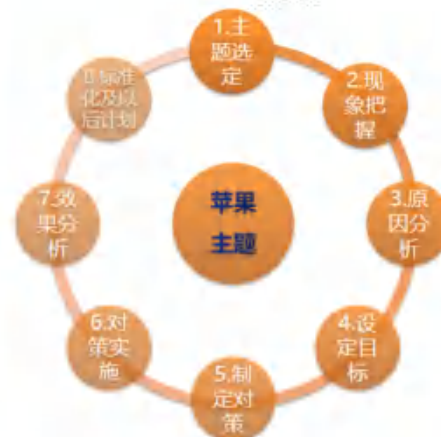
5、精益管理 Lean management

推进精益管理/CTPM，奠定质量基础
Promote lean management/TPM and lay the quality foundation



精益推进有序
Lean and
orderly
promotion

苹果主题攻关
Apple's themed
tackling



精益成果显著
Significant lean
results

全员持续改善
Continuous
improvement of
total staff



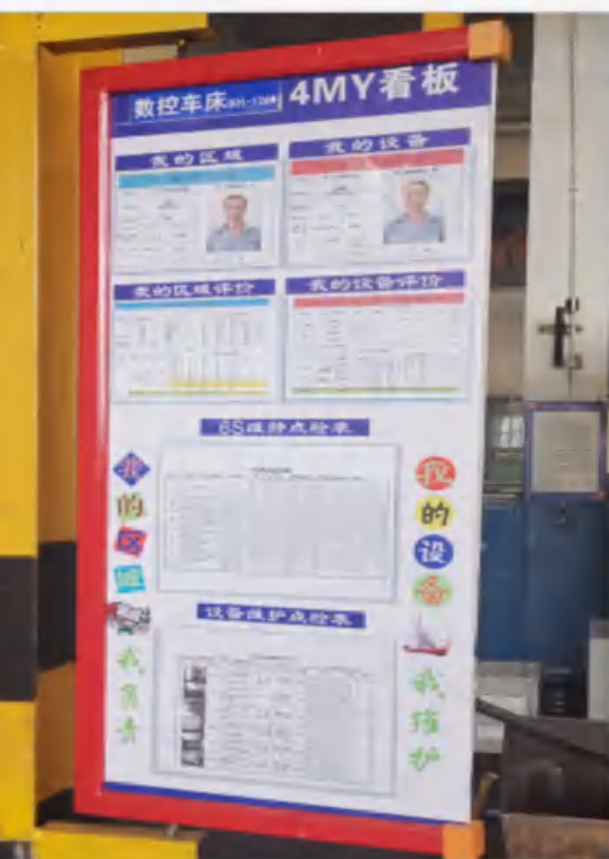


三、创新赋能 Innovation & empowerment



5、精益管理 Lean management

推进6S/CTPM, 奠定质量基础
Promote 6S/CTPM and lay the quality foundation





三、创新赋能 Innovation & empowerment



6、数字工厂 Digital factory

泰隆智能制造策略-步骤1: 建立内部示范基地

Tailong intelligent manufacturing strategy - Step 1: Establish internal demonstration base



2017年9月投产,用于新品研发和泰隆智能制造模式试点。

The production commenced in September 2017, serving as a platform for new product research and development as well as the pilot of Tailong's intelligent manufacturing mode.

在试点车间,在推进智能制造项目的同时,推进6S、卓越绩效等管理模式落地。

The pilot workshops will promote the implementation of 6S, excellent performance, and other management methodologies while advancing the intelligent manufacturing project.

步骤2: 建设全新泰隆数字化工厂

Step 2: Build a new Tailong digital chemical plant



优化组织架构

Optimize organizational structure

推进精益管理

Promote lean management

促进两化融合

Promote integration of industrialization and informationization



三、创新赋能 Innovation & empowerment

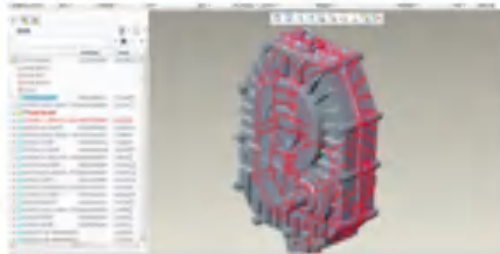


6、数字工厂 Digital factory

1 完善的IT基础设施



2 数字化建模与分析
/工艺EBOM/制造
PBOM



3 基于自动化立体
仓库的物流配送



4 金蝶ERP/定制的
生产计划与排程



5 MES工序级制造执
行/SCADA现场数
据采集/工时管理



6 自动化设备/智能
设备应用



7 数据分析平台



8 设备画像/设备运
维





三、创新赋能 Innovation & empowerment



6、数字工厂 Digital factory

——实现了MES系统管理
Implemented MES system
management

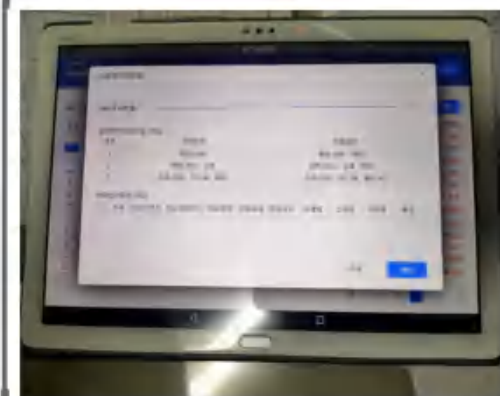
生产现场利用MES系统进行管理，与ERP系统协同下发生产计划，实时监控车间的生产执行情况，包括产能、质量、完工率。现场采用工位机实现任务的获取、报工、看图、NC程序的下发和管理等，采用PAD实现移动质检。与设备联网管理、仓库管理相结合实现生产节拍、设备产能、人员、物料的协同管理。

The production site is managed by a Manufacturing Execution System (MES), and the production plan is coordinated with an Enterprise Resource Planning (ERP) system to enable real-time monitoring of workshop production implementation, encompassing capacity, quality, and completion rate. On-site workstation machines are utilized for task acquisition, work reporting, drawing reading, and issuance and management of Numerical Control (NC) procedures. Mobile Quality Inspection is facilitated through the use of PAD devices. By integrating equipment networking management and warehouse management systems, collaborative management of production beat, equipment capacity utilization, personnel allocation, and material resources is achieved.

现场报工
Site work reporting



移动质检
Mobile quality inspection



大屏看板
Dashboard





三、创新赋能 Innovation & empowerment



6、数字工厂 Digital factory

打通WMS和ERP系统，物流的配料单根据ERP系统计划需求生成，发送给WMS形成拉动式配送，结合立库的建设全面提升了出入库和物流能力。**3人管理3000个库位6000多种物料，提升作业效率80%。**

Open up WMS and ERP system, generate the material distribution list according to the requirements of ERP system plan, and send it to WMS to form pull-type distribution. Combined with the construction of the three-dimensional warehouse, the warehousing and logistics capacity is comprehensively improved. **Three persons manage more than 6,000 materials at 3,000 storage locations, improving operation efficiency by 80%.**

——建设了智能物流仓储系统
Construct intelligent logistics and warehousing system





三、创新赋能 Innovation & empowerment



6、数字工厂 Digital factory

——建设了智能物流仓储系统
Construct intelligent logistics and warehousing system



立体仓库投资共3200万元。
The investment of three-dimensional warehouse totals 32 million yuan.
4#库16261个货位，2#库12679个货位
Cargo spaces in #4 warehouse and 12679 cargo spaces in #2 warehouse



三、创新赋能 Innovation & empowerment



6、数字工厂 Digital factory

——采用工业机器人生产
Production with industrial robots



采用工业机器人进行零件加的上下料及周转，提高了效率，节省了人工。
Industrial robot is used for loading, unloading and turnover of parts, improving efficiency and saving labor.

自动化设备的投入

Input of automation equipment

- ☒ 先进的自动检测设备
Advanced automatic detection equipment
- ☒ 智能焊接设备
Intelligent welding equipment
- ☒ 自动上下料设备
Automatic loading and unloading equipment
- ☒ 自动加工设备
Automatic machining equipment



三、创新赋能 Innovation & empowerment



6、数字工厂 Digital factory

智能设备互联，实现精准监控

Interconnection of intelligent devices for accurate monitoring

对现场的自动化设备包括各种数控机床进行联网管理，实时采集设备的生产数据、工况，帮助管理层实时了解设备的运行状况，掌握设备实际使用效率，合理安排生产。

The on-site automation equipment, including various CNC machine tools, should be subjected to network management. This will enable real-time collection of production data and working conditions of the equipment. Consequently, it will facilitate the management level in gaining a real-time understanding of the operational status of the equipment, effectively assessing its utilization efficiency, and making rational production arrangements.





四

旗下公司
Subsidiary
companies



四、旗下公司 IV. Subsidiary companies



1、钢帘线公司 Steel cord company

- ◆ 江苏金泰隆机电设备制造厂创建于1996年，是江苏泰隆机械集团公司的全资子公司。
Jiangsu Jintailong Mechanical and Electrical Equipment Manufacturing Factory was founded in 1996 and is a wholly-owned subsidiary of Jiangsu Tailong Machinery Group Co., Ltd.
- ◆ 专业的钢帘线及其他金属线材设备生产商，服务于国内80%以上的钢帘线厂家。
Specialized steel cord and other metal wire equipment manufacturer, served more than 80% of domestic steel cord manufacturers.
- ◆ 产品广泛应用于钢帘线、钢丝绳、胶管钢丝、胎圈钢丝、焊丝、切割丝等生产企业。
The products are widely used in steel cord, steel wire rope, rubber pipe steel wire, bead steel wire, welding wire, cutting wire and other production enterprises.
- ◆ 工厂与法国米其林、日本东京制钢、意大利倍耐力、韩国晓星公司、韩国高丽制钢、新加坡佳通轮胎等国外先进企业长期合作，系米其林全球定点供应商。产品批量出口法国、意大利、西班牙、罗马尼亚、日本、韩国、印度、泰国、加拿大等国家。
With long-term cooperation with such foreign advanced enterprises as Michelin (France), Tokyo Rope (Japan), Pirelli (Italy), Hyosung (Korea), KISWIRE (Korea) and Singapore Giti Tire, the factory is a global designated supplier of Michelin. Its products are exported to France, Italy, Spain, Romania, Japan, Korea, India, Thailand, Canada and other countries in bulk.
- ◆ 企业通过了ISO9001质量体系认证和欧洲“CE”产品安全认证。
The enterprise has passed ISO9001 quality system certification and European "CE" product safety certification.



切割丝水箱拉丝机
Wire drawing machine for wire-cutting water tank



双头集成智能化水箱拉丝机
Double-head integrated intelligent water tank drawing machine



管式股绳机 Tubular strand machine



双捻机 Double strander



直进式拉丝机 Straight line wire drawing machine



四、旗下公司 IV. Subsidiary companies



2、泰隆风机 Tailong Fan

◆ 主要产品为碳纤维生产线专用风机，化纤CS2尾气回收专用风机，三叶圆弧啮合高效罗茨鼓风机，大风量、超高温球团耐热风机等。

The main products are carbon fiber production line special fan, chemical fiber CS2 tail gas recovery special fan, three-blade arc mesh high efficiency roots blower, large air volume, ultra-high temperature pellet heat resistant fan, etc.

◆ 常年与海螺集团、三狮水泥、青海铝业、南煤、首钢、莱钢、鞍钢、沙钢、国华电力、青山控股等国家大型企业配套，并出口日本、韩国、印度等东南亚国家和地区。

The products of the Company have always been matched with large-scale national enterprises such as Conch Cement, Sanshi Cement, Qinghai Aluminum, Nanzhuang Coal Group, Shougang Group, Laigang Group, Ansteel Group, Shagang Group, Guohua Power and Tsingshan Holding, and have been exported to Japan, South Korea, India and Southeast Asia.



高效双吸风机
High-efficiency double suction fan



四、旗下公司 IV. Subsidiary companies



2、泰隆风机 Tailong Fan



高效低噪声罗茨鼓风机
High-efficiency low-noise roots blower



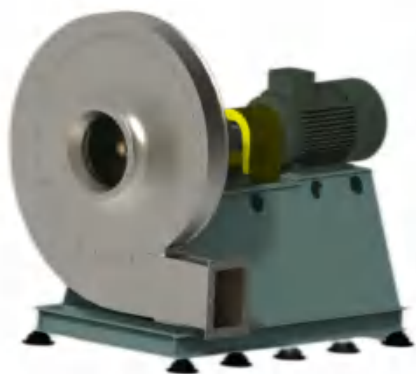
离心压缩机
Centrifugal compressor



柜式离心风机
Cabinet centrifugal fan



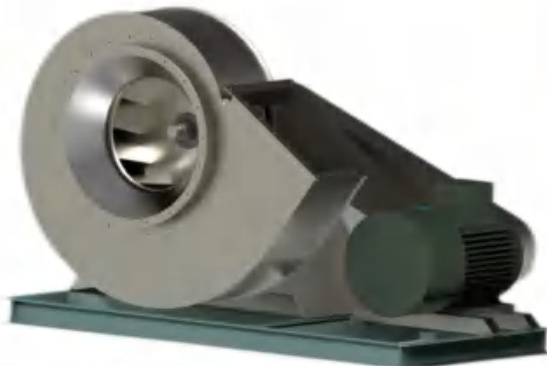
多翼式离心风机
Multi-wing centrifugal fan



化纤尾气回收专用风机
Special fan for chemical fiber tail gas recovery



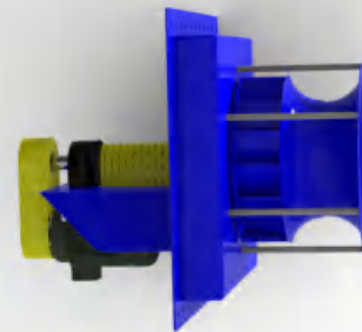
地铁风机
Metro fan



啤酒麦芽行业全线风机
Full line fans of beer and malt industry



磁悬浮风机
Magnetic suspension fan



碳纤维生产专用风机
Special fan for carbon fiber production



四、旗下公司 IV. Subsidiary companies



3、泰隆高新传动有限公司 Tailong High-tech Transmission Co., Ltd.

◆主要生产YE2、YE3、YX3高效节能电机、Y2VP、YVF2、YTSP变频电机、YEJ制动电机、Y2VPEJ变频制动电机、YBX3高效防爆电机等。

It mainly produces YE2, YE3, YX3 high-efficiency energy-saving motor, Y2VP, YVF2, YTSP variable frequency motor, YEJ brake motor, Y2VPEJ variable frequency brake motor, YBX3 high-efficiency explosion-proof motor, etc.

◆产品广泛应用于减速机、风机、水泵、机床等机械设备。

The products are widely used in reducer, fan, water pump, machine tool and other mechanical equipment.

◆企业通过ISO9001质量体系认证、CE认证、3C认证，取得了防爆电机生产许可证。

The enterprise has passed ISO9001 quality system certification, CE certification and 3C certification and obtained explosion-proof motor production license.





四、旗下公司 IV. Subsidiary companies

4、万基传动 Wankie Drive

◆从瑞士、德国、美国、日本等国家购置的高精尖加工、检测设备百余台套，具备年产5万台精密减速器的生产能力，计划未来年产15万台。

More than 100 sets of high-precision machining and inspection equipment are purchased from Switzerland, Germany, the United States, Japan and other countries. It has an annual production capacity of 50,000 precision reducers, and is planned to produce 150,000 precision reducers in the future.

◆获得授权专利18项，其中发明专利8项。

It has obtained 18 authorized patents, including 8 invention patents.



BXJ-E系列精密减速器
BXJ-E series precision reducer



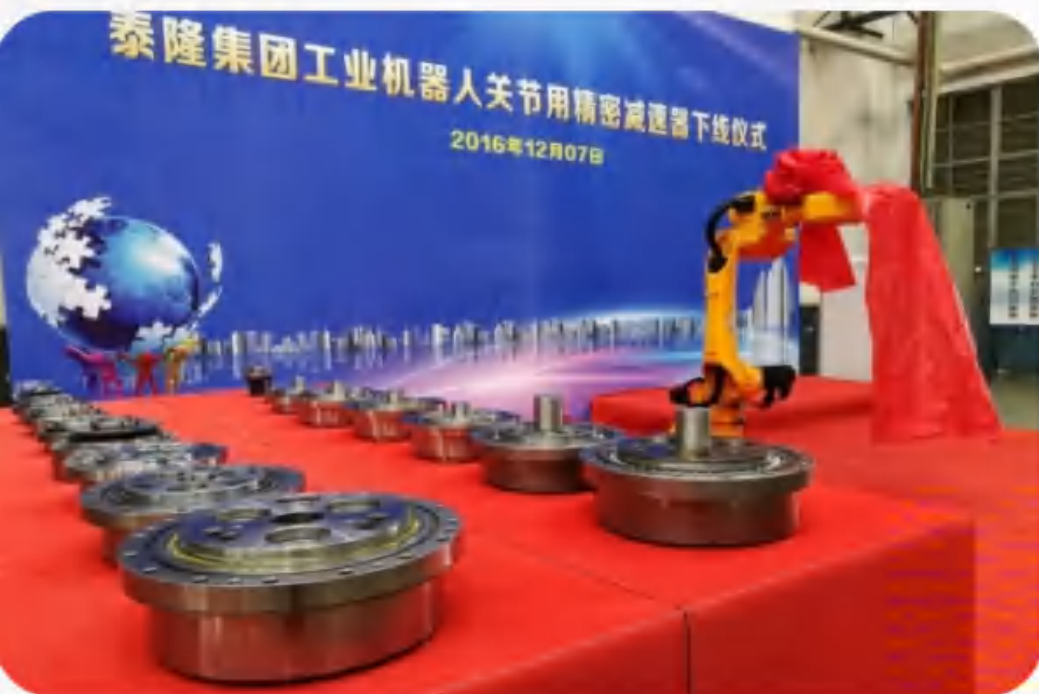
BXJ-C系列精密减速器
BXJ-C series precision reducer



BXJ-F系列精密减速器
BXJ-FD series precision reducer



BXJ-RD系列精密减速器
BXJ-E series precision reducer



谐波齿轮减速器
Harmonic gear reducer



摆线钢球减速器





五

未来展望

Future prospects



五、未来展望 V. Future prospects



展望1 Prospect 1

高质量打造泰隆传动科技产业园

Create Tailong Drive Technology Industrial Park with high quality



泰隆钢帘线、风机、电机 Tailong steel cord, fan and motor



万基传动 Vankie Drive



泰隆铸造 Tailong Foundry



五、未来展望 V. Future prospects



展望2 Prospect 2

传统制造升级为智能制造，建设工业互联网标杆工厂

Upgrade traditional manufacturing to intelligent manufacturing and build a benchmark factory of industrial Internet

自动化生产检测设备

Automatic production testing equipment



自动化设备的投入

Input of automation equipment

- 先进的自动检测设备
Advanced automatic detection equipment
- 智能焊接设备
Intelligent welding equipment
- 自动上下料设备
Automatic loading and unloading equipment
- 自动加工设备
Automatic machining equipment

智能物流和仓储

Intelligent logistics and warehousing



智能物流和仓储

Intelligent logistics and warehousing

- 自动叉车、AGV小车的应用实现从立库到线边的自动化配送，结合MES实现拉动式自动配送
The application of automatic forklifts and AGV trolleys realizes the automatic distribution from the three-dimensional warehouse to the line side, and the pull-type automatic distribution is realized in combination with MES.

信息化建设的优化

Optimization of informationized construction



完善信息化建设

Improve informationization construction

- 新自动化设备、物流、仓储的数据接入。
Data access of new automation equipment, logistics and storage
- 基于统一的数据总线进行系统的数据和集成。
System data and integration based on unified data bus
- 质量、生产、进度、供应链、服务方向的拓展应用。
Expansion and application of quality, production, schedule, supply chain and service direction

大数据的应用

Application of big data



数据价值的深度挖掘

Deep mining of data value

- 持续深度挖掘数据的价值，为企业的经营决策、战略转型提供数据支撑。
Continuously and deeply mine the value of data to provide data support for business decision and strategic transformation of enterprises.



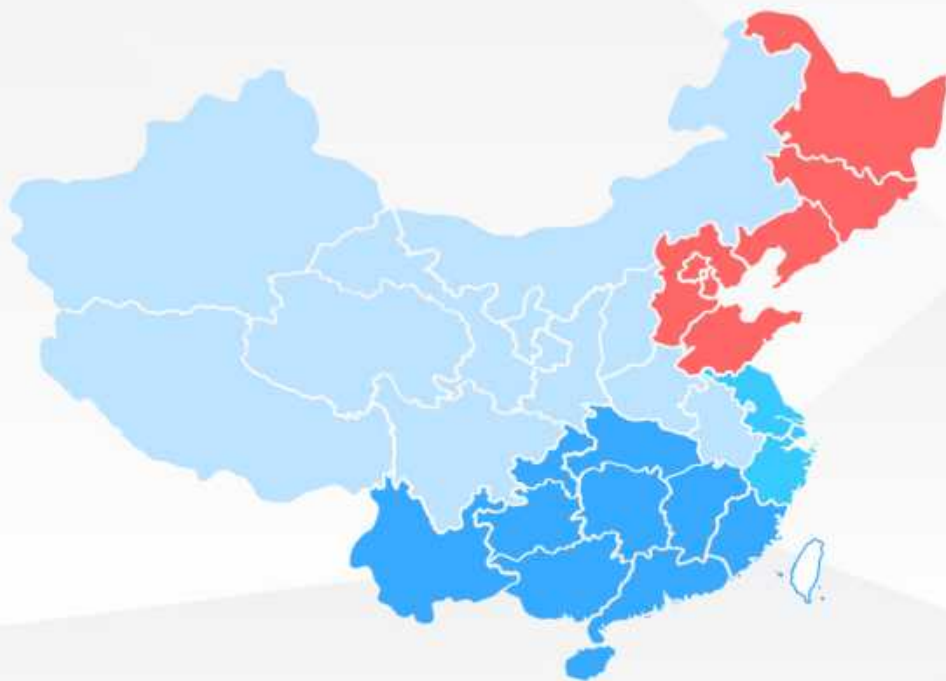
五、未来展望 V. Future prospects



展望3 Prospect 3

强化国际市场拓展，促进国内外市场双循环

Strengthen international market expansion and promote double circulation of domestic and foreign markets



减速传动 当选泰隆

Tailong is your preferred brand as the reducer drive