

NGC Company Presentation –Industrial BU

Nanjing, China
2025





NGC Group takes being "Geared for a Better Future" as its greatest responsibility, and is committed to providing users throughout the world with gearbox and transmission technology solutions. Since its establishment in 1969, the Company has been affiliated to the Hong Kong-listed company "China High Speed Transmission Equipment Group Co., Ltd. (00658.HK)". The NGC brand is a world-famous brand and a key brand for cultivation and development in Jiangsu Province.

22 Billion

Sales revenue
(RMB)

90+

Business in more
than 90 countries
and regions

7000

Employees all
around the
world

55 years

Deeply
engaged in the
gear industry
for 55 years.

100+

Chinese national
and provincial
awards for science
and technology
innovation

37 rd

Ranking the 37rd
among the Top
100 China
Machinery
Industry
Companies

First batch

The first batch of
"demonstration enterprise
leading an individual field of
the manufacturing industry"
granted by the Ministry of
Industry and Information
Technology



Corporate Structure



Global Layout



Manufacturing Base



Jianheng Road Plant (160,000 m²): heavy-duty gearbox, high-speed gearbox



Tiance Road Plant (69,000 m²): standard industrial gearbox, gear motor



Airport Industrial Park Plant (466,000 m²): remanufacturing

8

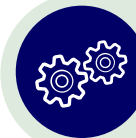
8 manufacturing bases in China

1,500,000 m²

The manufacturing bases in China cover a total area of over 1,500,000 m².



National Technology Center



Key Laboratory of Gear Transmission in Mechanical Industry



Innovation Demonstration Base for High-speed and Heavy-duty Gear



Thermal Treatment Technology Innovation Demonstration Base

Development History



Nanjing Machine Tool Repair Factory was established.



Nanjing Machine Tool Repair Factory was renamed as Nanjing High-speed Gearboxes Factory (NHSGF).



1969 1976

The Factory passed ISO quality management and environmental management system certification. Nanjing Ningjia

Electromechanical Co., Ltd. was established, leading the Company entering the business of rubber and plastic machinery gearbox.



1998

Through shareholding system reform, Nanjing High-speed Gearboxes Factory (NHSGF) was restructured into a stock company under the name of Nanjing High Speed & Accurate Gear



Nanjing High Speed Gear Manufacturing Co., Ltd., was established, marking the setup of power wind as an independent business sector.



2001 2003

The Company was successfully listed on the Hong Kong Stock Exchange with the stock code 0658.HK.



NGC Singapore was established, initiating the globalization process.



2007

NGC Europe established in Duisburg, Germany.



NGC India established in Chennai



2014

2016

1984

1989



NHSGF successfully produced a 36,000 kW gas turbine load gearbox, the largest gearbox in China at the time.



NHSGF provided high-speed gearboxes for China's first geostationary satellite and ground radar stations.

1991

1994



It produced the most powerful wind turbine gearbox in China.



The Company set a precedent for domestic gearboxes used in sets on the bar mill production line in China (WISCO).

2013

2016



The developed the world's first five-component single-screw extruder gearbox for the rubber and plastic industry.



It successfully developed the largest ship unloader planetary differential gearbox in Asia and exported the product to Malaysia.

2018

2019



It independently developed MGDS series permanent magnet-gear drive system.



It launched its smart monitoring products, the Gear-Sight series.

2020

2022



It independently developed high torque twin screw extruder gearbox.



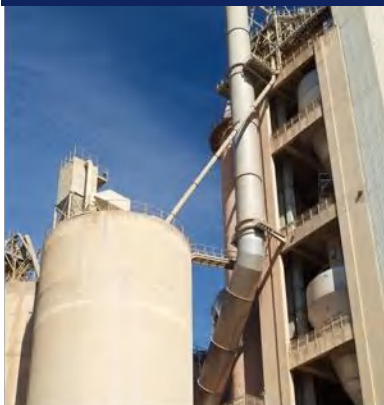
The first independently developed F-class 50MW heavy-duty gas turbine high-speed gearbox in China completed trial operation successfully.

Industrial Application

Metallurgy



Construction materials



Petroleum & chemical industry



Port



Coal



Electricity



Mine



Rubber



Plastic



Lithium battery



Papermaking



Sugar squeezing



The Way to Global Leader

1



Accurate design

NGC boasts a robust computational analysis team and a comprehensive computational analysis platform. Rigorous calculations during product design ensure the product's technological advancement and quality stability.

2



Material thermal treatment center

As a demonstration base for innovation in thermal treatment technology, NGC has a professional and sophisticated material laboratory certified by C-NAS, as solid backing for the improvement of NGC's thermal treatment capabilities.

3



Experimental technology

The sophisticated experimental technology system and testing capabilities of NGC allow various product tests on its test benches up to 18 MW to verify product quality and reliability comprehensively.

Our Product



Platform product



Standard industrial gearbox



Standard industrial planetary gearbox



Small industrial planetary gearbox



High-speed gearbox



Gear motor

New business product



Permanent magnet-gear drive system



Intelligent products



O&M manager

Dedicated product

Metallurgy



Building materials, mines



Coal, electricity



Port, lifting



Rubber, plastic



Petroleum, chemical industry



Our Technology



Experienced R&D team, advanced design platform, and comprehensive testing and verification process deliver the first-class, reliable gear products.

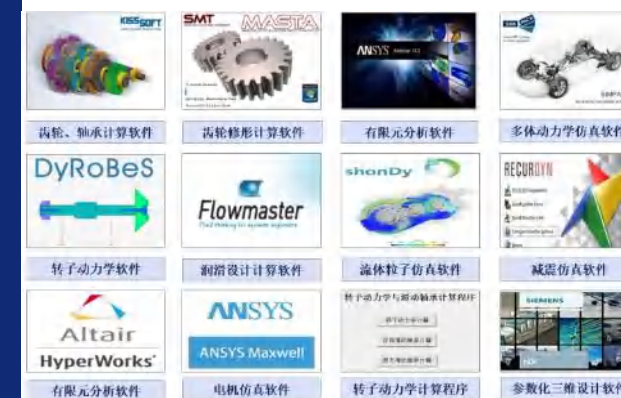


NGC employs the world-leading design software for development and research and formulates a unique set of technology and experience in gear design and manufacturing.

The concept of "green, reliable, high-efficiency, value-added" products propels the transition from traditional product to driving product.



The innovation capabilities are continuously improving.



Our Capability



- 1** Gearbox transmission power up to **85,000** kW
- 2** Transfer torque up to **7,350** kNm
- 3** Gear linear speed up to **196** m/s
- 4** Gearbox output speed up to **71,000** rpm
- 5** Gear manufacturing precision up to Class **3** as specified in ISO1328-95

φ6000 mm Maximum machining diameter of cylindrical gear with hard tooth surface

40 Maximum machining modulus of cylindrical gear with hard tooth surface

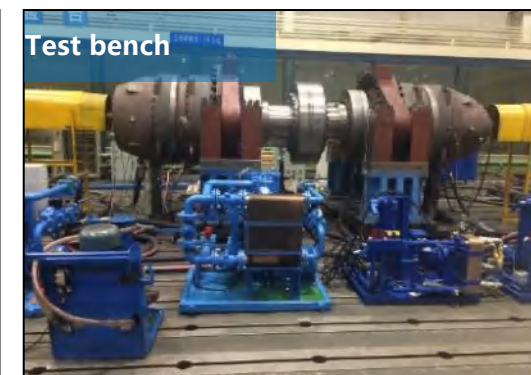
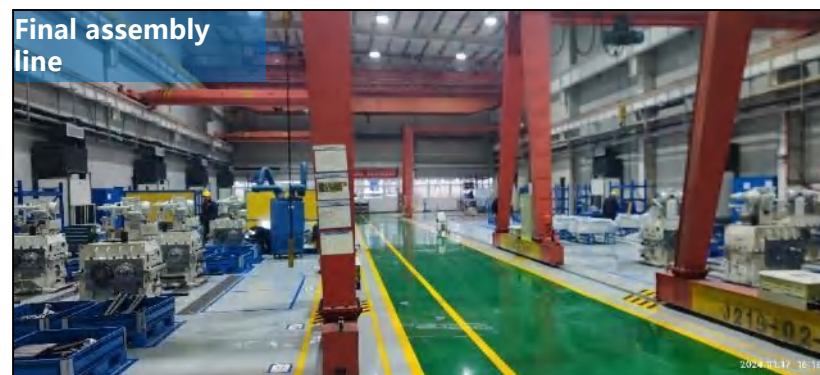
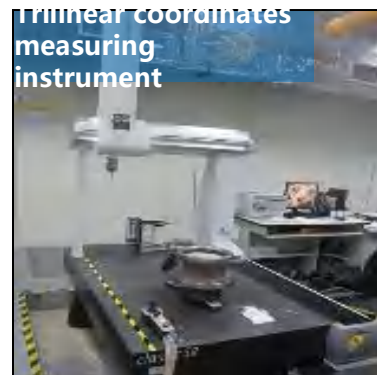
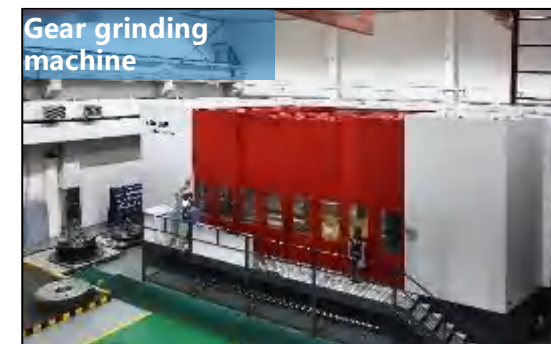
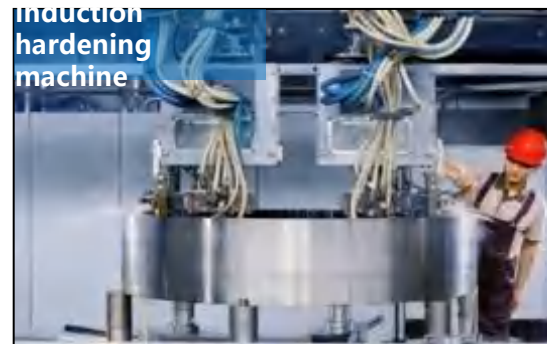
50 Maximum machining modulus of cylindrical gear with medium-hard tooth surface

φ1600 mm Maximum machining diameter of bevel gear

27.4 Maximum machining modulus of bevel gear

7 mm Maximum carburized depth

Our Equipment



Our Management System



Quality Culture Do it right the first time

GB/T 32230-2015
*Guidelines for Quality
Culture Development
in Enterprises*

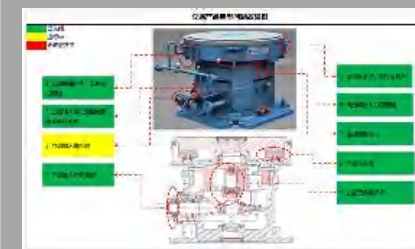
"Focus on high
precision"
Excellent performance
management



Digitization

序号	设备名称	精度	应用	数据来源
1	高精度加工中心	±0.005mm	精密加工	机床数控系统
2	高精度磨床	±0.002mm	精密磨削	机床数控系统
3	高精度铣床	±0.003mm	精密铣削	机床数控系统
4	高精度车床	±0.004mm	精密车削	机床数控系统
5	高精度钻床	±0.006mm	精密钻孔	机床数控系统
6	高精度刨床	±0.008mm	精密刨削	机床数控系统
7	高精度拉床	±0.010mm	精密拉削	机床数控系统
8	高精度冲压	±0.012mm	精密冲压	机床数控系统
9	高精度锻造	±0.015mm	精密锻造	机床数控系统
10	高精度铸造	±0.020mm	精密铸造	机床数控系统

Closed-loop management



Green factory



ISO9001
Quality



ISO14001
Environment



ISO45001
Occupational health
and safety



ISO50001
Energy
management
system



GB/T23001
IIIE management
system



ISO10012
Measurement
management
system



API Q1
Oil and gas
industry quality



ISO3834-2
Welding plant
certification

Excellent Service - Implementing the Service Philosophy



Instant • Effective • Satisfactory

Visualized management of
service resources, dynamics,
and trends



Customer benefits



Shared spare part resources
More extensive markets and customers



Professional training and technical guidance
Full life-cycle service support
Lower operational costs



Customized solutions
All-weather "butler-style" service
Reliable friend

- 24/7 quick response
- Complete spare parts
- Deeply cultivation in the gearbox system technology
- Professional service engineering team
- Return visit and improvement



Our Partners

 BAOWU	 MCC 中冶集团	 鞍钢集团 ANSTEEL	 HBIS 河钢集团	 网集团 ANG GROUP	 方大集团 FANGDA GROUP	 建龙集团 JIANLONG GROUP	 首钢集团 SHOUGANG GROUP
 中钢	 CONCH 海螺水泥	 BBMG 金隅冀东水泥	 华润水泥 CR CEMENT	 国家能源集团 CHN ENERGY 中国神华能源股份有限公司 CHINA SHENHUA ENERGY COMPANY LIMITED	 中煤能源集团	 HNEC 河南能源化工集团 HENAN ENERGY AND CHEMICAL INDUSTRY GROUP	 山东能源集团 SHANDONG ENERGY GROUP
 红塔集团	 冀凯集团 JIKAU GROUP	 力量发展 KINETIC DEVELOPMENT GROUP	 中国平煤	 宝丰能源 BAOFENG ENERGY	 宁波舟山港 NINGBO ZHOUSHAN PORT	 青岛港 PORT OF QINGDAO	 NJP 南京港集团 NANJING PORT GROUP CO., LTD.
 广州港集团	 厦门港	 中国电建 POWERCHINA	 中国华能 CHINA HUANENG	 中国华电 CHD	 中广核 CGN	 CEEC 原建设股份有限公司 / ENGINEERING CORPORATION LIMITED	 大唐集团公司 CHINA DATANG
 中国航空发动机集团 AERO ENGINE CORPORATION OF CHINA	 航空工业	 中国中车 CRRC	 XCMG 徐工集团	 ANY	 ZOOMLION	 SUNWARD 山河智能	 隧道股份 TEC
 中国石化 SINOPEC	 中国海油 CNOOC	 CNPC 中国石油	 LUXI 鲁西化工	 FREP 福建联合石化	 BASF	 CATL 宁德时代	 紫金矿业 ZIJIN MINING

Our Partners

 北方重工	 ZGCMC 自贡运机	 科瑞森 CREATION	 衡阳运机 Xiangyang Yunchi	 华电重工	 金太阳 GOLDEN SUN	 山矿 SHAN KUANG	 SINOSTEEL 中钢集团
 DHHI 大连华锐重工	 卫华集团 WEI HUA GROUP	 河南矿山 HENAN MINE	 天桥起重 TIANGIAO	 山起重型	 天奇股份 MIRACLE AUTOMATION	 杰瑞集团	 朝阳重型机械有限公司 CHONGYANG HEAVY MACHINERY CO., LTD.
 抗范翰 KANGFA WHEEL	 沈鼓集团	 ShaanGu 陕西鼓风机(集团)有限公司 SHAAN GU FAN GROUP CO., LTD.	 上海电气 SHANGHAI ELECTRIC	 DEC 东方电气 ORIENTAL ELECTRIC	 抗气股份	 广瀚燃机 TURBINE	 广州广重
 重庆水泵 CHONGQING	 DBP	 EBARA 嘉利特佳源泵业有限公司 JIALITETIAZYUAN PUMP CO., LTD.	 开山集团 KAISHAN GROUP	 招商局 工业集团有限公司	 NOELL 诺尔起重设备(中国)有限公司	 RHM 润邦重机	 华新机电 XME
 LIMING	 成都利君	 江苏鹏飞集团 JIANGSU PENGFEI GROUP	 国机重工 SINOMACH	 中国中铁	 中国铁建	 ZTM 中天机械	 SDLG 山东临工
 二重重装 ERZHONG HEAVY	 中国一重 CFHI	 中信重工机械股份有限公司 CITIC HEAVY INDUSTRIES CO., LTD.	 SBM 世邦集团	 和泰机电 HOTA	 MESNAC 让橡胶工业站上世界新高度	 中化 Zhejiang Chemical	 DXS 胶塑料机械有限公司 BER & PLASTICS MACHINERY CO., LTD.

Our Partners

Strategic Planning of the Group

Objectives

Market leader - sustainable growth

Strategic positioning

Focus on gearbox and transmission technology

Business all around global markets

Core competitiveness

High-performance
talent echelon

Innovative thinking

"Zero-defect" quality

Professional services

Customer care

Deeply ingrained
corporate culture

Environmental, Social and Governance

Integrity and compliance

governance
Solidify the foundation for development with steady and compliant operation. Implement comprehensive risk management and stick to business operation with integrity.



Green manufacturing

Apply strict control of environmental risks, strengthen pollution prevention and control, and promote recycling, adhering to the principle of "making full use of resources to transmit green energy".

Explore ecological design to promote green upgrades.

Fairness, health, and safety

Protect the rights and interests of employees.
Support employee development.
Guard health and safety.
Adhere to diversity, inclusiveness, and fairness.



Promote sustainable development.

Geared for a Better Future

Sustainable supply chain

Insist on building a safe, stable, and green supply chain.
Work hand in hand with partners to respond to changes and challenges, and achieve mutual benefits and win-win outcomes.



Harmonious community relations

Devote to community development and social welfare initiatives.
Support educational equity and care about vulnerable groups.
Assume social responsibility and contribute to the construction of a harmonious community.

Geared for a Better Future



Geared for a Better Future