

Sinhom Manufacturing Equipment Co., Ltd

- 2023

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8 Cooperative Wind Turbine
Manufacturer

Company Brief Introduction

Brief Introduction

Sinhom Manufacturing Equipment Co., Ltd

- Formerly known as Dalian Heavy Forging Co., Ltd, DHF was officially renamed as SINHOM in July 2022;
- Total investment of more than 1.3 billion RMB ;
- Area of nearly 130,000 square meters.
- Design and manufacture of large forged products (rings of bucket shape, disc shape), precision bearings and special bearings.
- With 2 major production bases in Dalian and Tianjin, and the 3rd production base in Penglai, Shandong Province is under planning.
- Forged ring from 0.6m to 10m in diameter with an annual production capacity of 200,000 Tons;

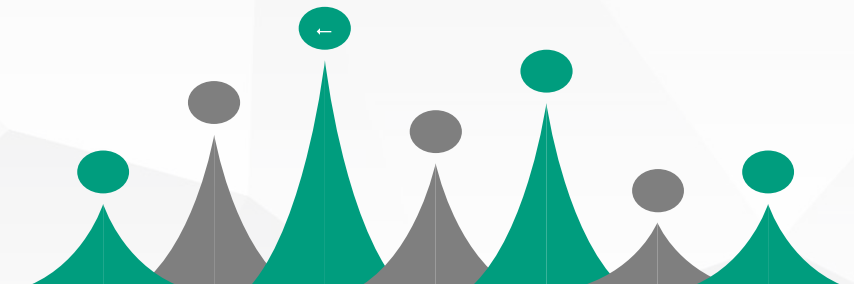
Vision & Mission

Vision

The three winners operation principle runs in SINHOM, intelligent manufacturing a community of shared future for employees, enterprise and our country. While ensuring the material and spiritual happiness of all employees, we make contributions to the progress and development of mankind and society.

Mission

To be a pioneer in the renewable energy industry by providing high quality clean energy and services. To promote the harmonious coexistence of human and nature and to devote all our strength to environmental protection.



Brief Introduction

To promote the harmonious coexistence between human and nature, and to devote all our strength to environmental protection



Employees

- Total number: 450
- Master's degree: 11
- Bachelor's degree: 93
- Average age: 31.5



Patents

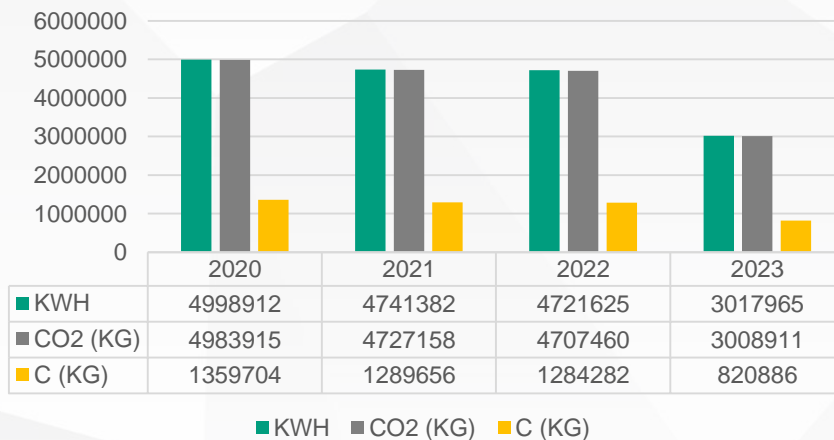
34 patents

Eco-Friendly Facility

Solar panels cover all the roof top of workshops



Carbon Emission



CO2 emission reduction from 2020: 17,427 Ton

Carbon emission reduction from 2020: 4,755 Ton

Company History

2006 - 2012
PSM (Dalian) Co., Ltd

Dalian Heavy Forging Co., Ltd
DHF Established

2014

2015 - 2019

- Chen Yuan Mechanical Equipment Company Established
- Liaoning Zono Testing Technology Service Co., Ltd Established
- CNAS & CMA Certification
- Tacking Over Tianjin Plant

2020

2021

- Si Hui Logistic Company Established
- Tianjin Sinhom New Material Company Established
- Zono Testing Tianjin Lab Established
- TPG-Heating Special Process Certification

- TPG-NDT Certification
- Supplier Certification of SKF
- China Power (Beijing) Energy Technology Research Institute
- DHF Renamed: Sinhom Manufacturing Equipment Co., Ltd
- Set up global warehouse in Spain

2022-2023

Manufacturing Base



Dalian



Press equipment: 3 (2,500T, 3,000T, 6,000T)

Ring rolling equipment: 2 (4.5m, 6.5m, 8m)

Capability: $\leq 55T$, $\leq 8m$ diameter

Product type: onshore wind tower flange, bearing, yaw ring, annular gear, planetary gear, Cu-Ag Alloy and other forged rings used in Shipbuilding and military industry;

Annual capacity: 150,000T;

Covering area: 130,000m² ;

TianJin



Press Equipment: 1 (10000T)

Ring mill equipment : 1 (German SMS, 10m)

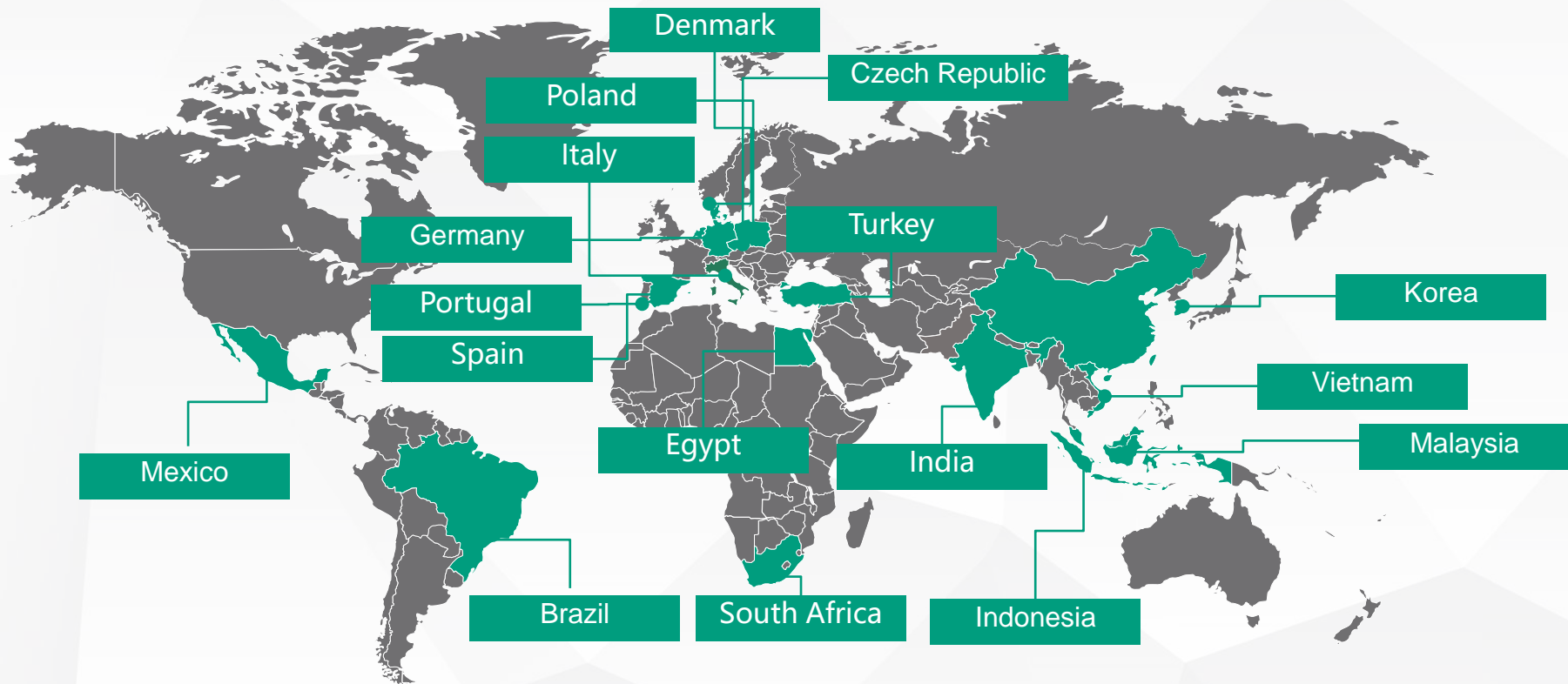
Size: ($\leq 75T$, $\leq 10m$ diameter)

Product type : offshore wind tower flange, bearing, pitch bearing, Al alloys, Ti alloys and other forged rings used in Shipbuilding and military industry ;

Capacity: 50,000T;

Covering area: 30,000m² ;

Export

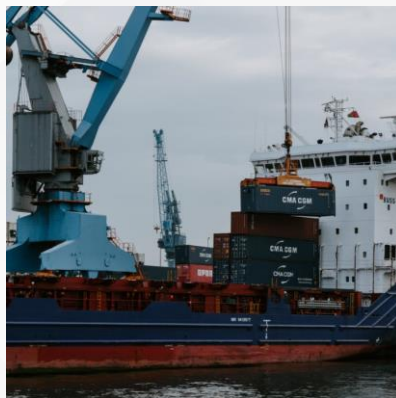


Application Industry



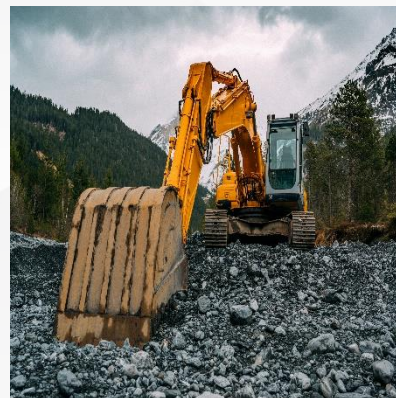
Wind Power

Tower Flange
Yaw Ring
Pitch Bearing
Main Shaft Bearing
Gear Ring
Planetary Gear



Shipbuilding

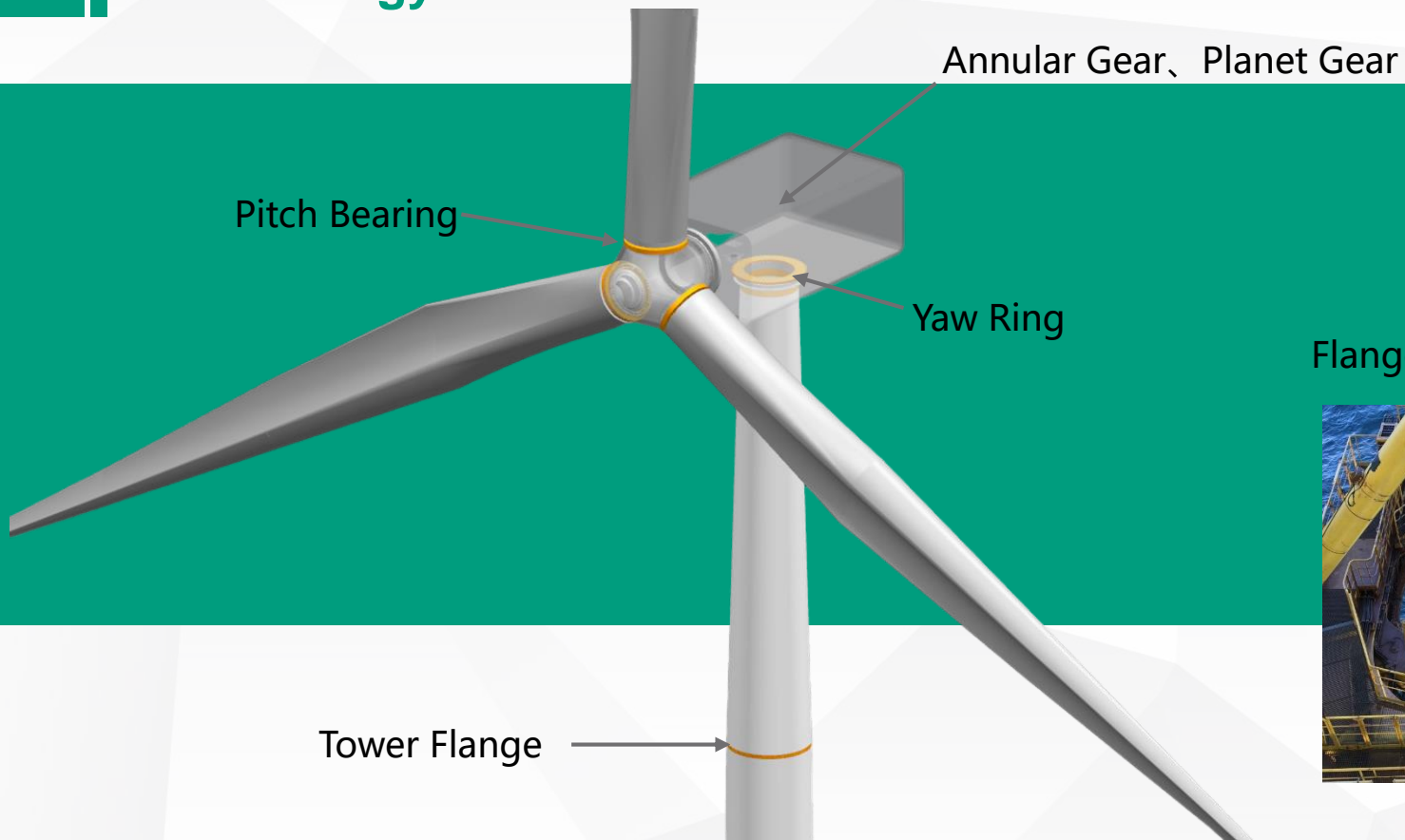
Forged Ring
Rotary Ring
Slewing Bearing



Machinery

Forged Ring
Rotary Ring
Slewing Bearing

Wind Energy



Flange for Offshore Monopile



Other Industry

Forged rings in bucket shape, disc shape;
Titanium alloy, Aluminum alloy, Nickel- based superalloy, etc.



Main Equipment

Main Equipment

C

Cutting	Dalian	Tianjin
Quantity	13	4
Scope	Φ600-φ1000	φ650-φ1800

Heat Treatment

Dalian

Tianjin

Quantity

13

6

Scope

30-70T

40T-100T

HT

R

Ring Rolling	Dalian	Tianjin
Quantity	3	1
Scope	Φ4500、Φ6500、φ8000	φ10000

Heating Furnace

Dalian

Tianjin

Quantity

13

7

Scope

15-70T

100-200T

H

P

Press	Dalian	Tianjin
Quantity	3	1
Scope	2500-6000T	10000T

Machining

Dalian

Tianjin

Quantity

43

24

Scope

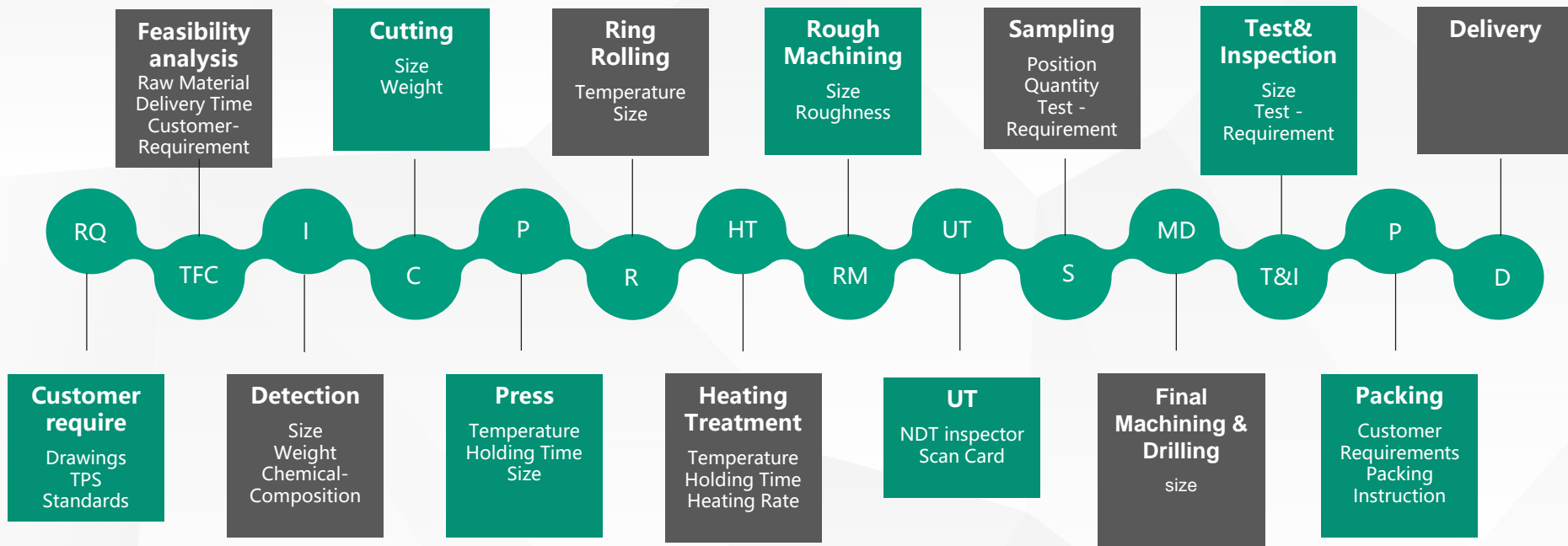
2.5-7m

2-11m

M

Manufacturing Process

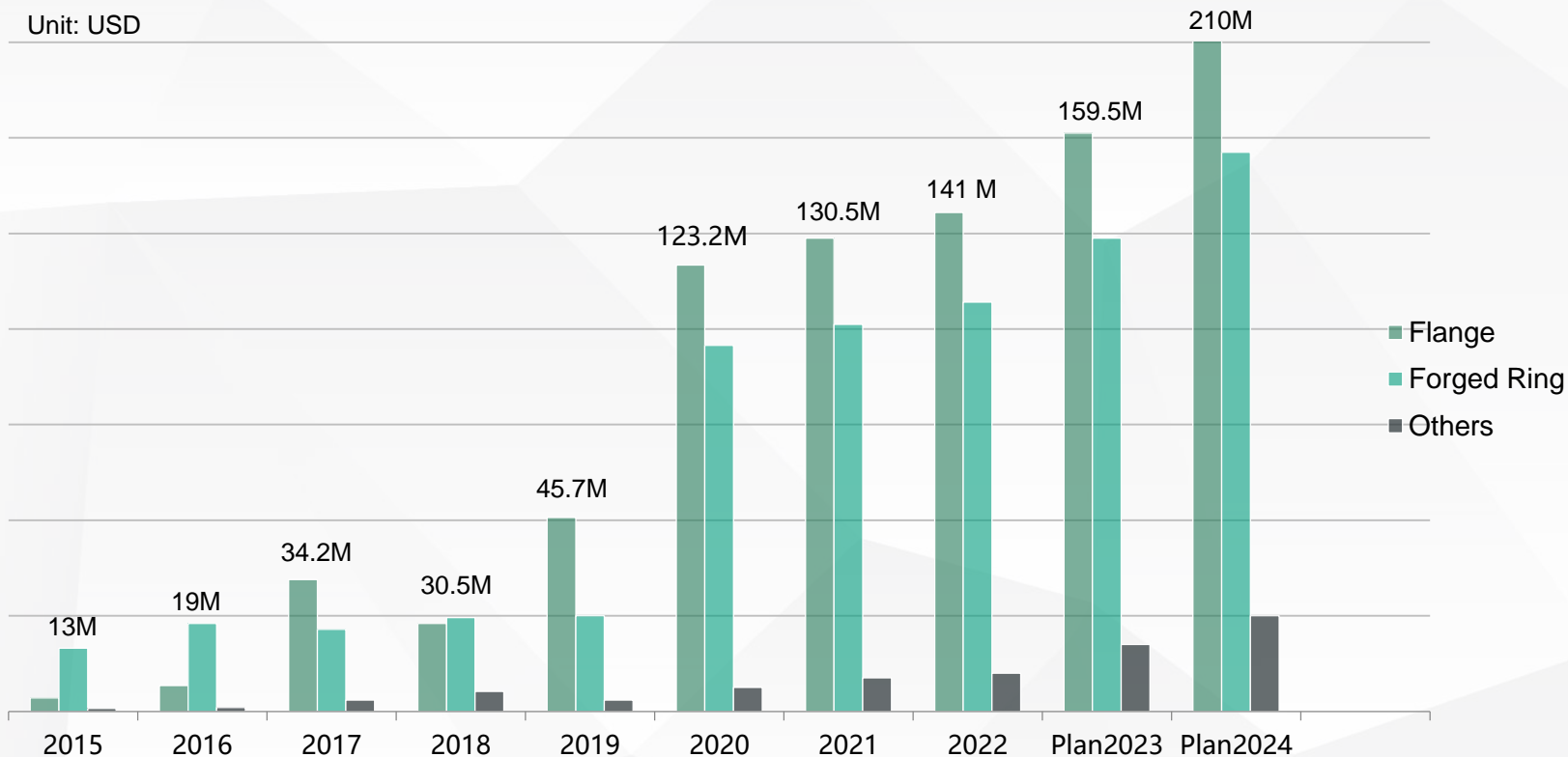
Manufacturing Process



Sales Performance

Sales Performance

Unit: USD



Raw Material

Raw Material



Steel Supplier	Annual Capacity (Round Bloom)	Specification of Round Bloom						
		φ600	φ700	φ800	φ900	φ1000	φ1200	φ1300
Xing Cheng	6.5 million Ton (1.8 million Ton)	√	√	√	√	√	√	/
Yong Gang	0.96 million Ton (0.54 million Ton)	√	√	√	√	√	√	/
Ma Gang	2.6million Ton (1 million Ton)	√	√	√	√	√	√	/
ChengDe JianLong	3 million Ton (2.2 million Ton)	√	√	√	√	√	√	√
Shi Gang Jing Cheng	0.8 million Ton (0.4 million Ton)	√	/	/	/	/	/	/
DaYe Special Steel (100CrMnMoSi8-4-6) , others (Al Alloys/Ti Alloys)								

Competitiveness

Competitiveness



Geographic
Location



Production Capacity



Certifications

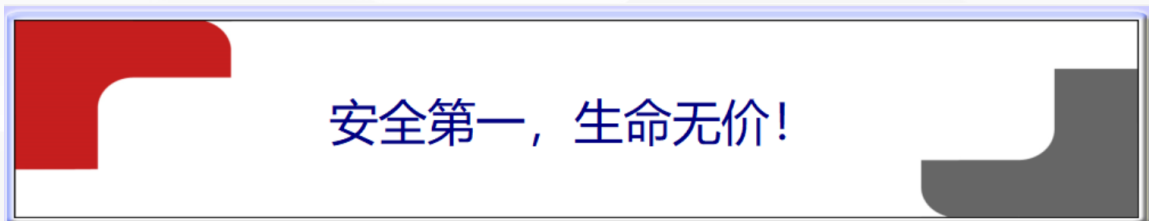


Quality Control

- Dalian production base is 5km away from the port, Tianjin production base is 30km away from the port, it has geographical advantages for exportation;
- The company has own logistics and transportation company, land transportation covers the whole country, the transportation process is controllable;
- The two production bases have a combined annual capacity of 200,000 tons, 150,000 tons in Dalian and 50,000 tons in Tianjin;
- All processes are completed in the factory, no outsourcing processing, ensure a short delivery time;
- Diameter from 0.6m to 10m, cover all current wind power product size;
- System Certifications (ISO, CE, CMA, CNAS, Classification Society Certifications)
- Supplier Certifications (Turbine OEM, Tower Makers, Bearing Factories)
- Product Certifications (Flange, Bearing, Yaw Ring, Pitch Bearing, Annular Gear, Planetary Gear)
- CNAS & CMA certified laboratory in Dalian & Tianjin;
- Unique production management system ensures traceability.

Traceability

From raw material procurement, manufacturing, testing, packaging until delivery, all processes are controlled in MES.



MENU LIST

1. 订单管理
2. 品质管理
3. 生产管理
4. 生产指示
5. 操作管理
6. 加工管理
7. 原材料管理
8. 设备管理
10. 财务管理
11. 经营管理

结束(X)

SCREEN LIST - 1. 订单管理

- ◆ 受注管理
- ◆ 订单查询
 - 订单查询 (通用)
 - 订单查询 (行级)
 - 行详细查询
 - 生产交货达成查询
- ◆ 按接受实绩出货期类别加载分析
- ◆ 收账管理
- ◆ 报价管理
 - 报价书登录
 - 原价Code登录
 - 原价登录
 - 报价书确认

Recently the use screen

订单进行现况

订单查询 (通用)

出库记录表

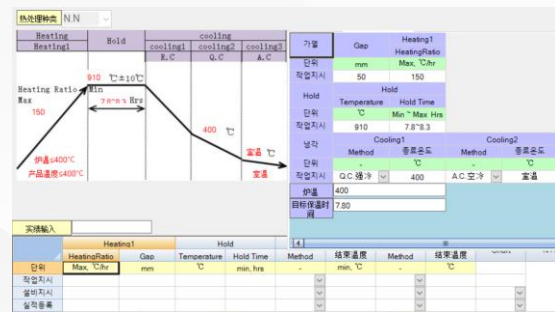
不良发生现况管理

部门管理

NCR

激活快捷键(ALT+H)

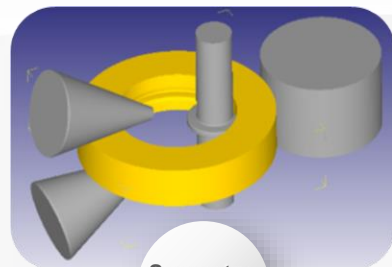
工单号	物料	数量	状态	开始日期	结束日期
10000001
10000002
10000003



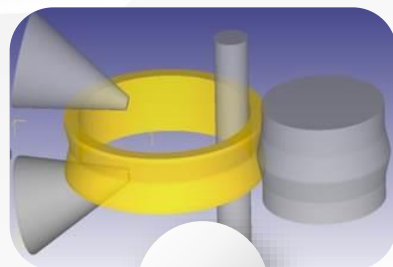
Technical Competence

Adopt digitizing technology together with practice to manufacture high quality products using scientific method to analyze in product design and process design, which can solve technical difficulties and also reduce cost.

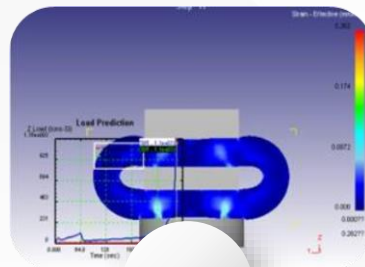
With total 31 technical engineers.



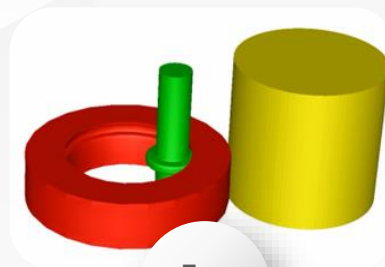
Symmetry Profile



Symmetry Profile



Door Frame



Top Flange



Certifications

Cooperative Wind Turbine Manufacturer

Cooperative Wind Turbine Manufacturer

Vestas



GE VERNOVA

Our portfolio of energy businesses

SIEMENS Gamesa
RENEWABLE ENERGY



GOLDWIND
金风科技



Envision



MINGYANG GROUP
明阳集团



ENERCON
ENERGY FOR THE WORLD



上海电气
SHANGHAI ELECTRIC



运达股份
WINDEY

CSSC 中国海装



中国中车
CRRC



DEC
东方电气



SANY



联合动力
United Power

Thanks for Watching