



**Shanghai Dongransheng Technology Co., Ltd**

# Forging Stronger Connections Through Premium Steel Solutions.

*-Your Trusted Global Partner*





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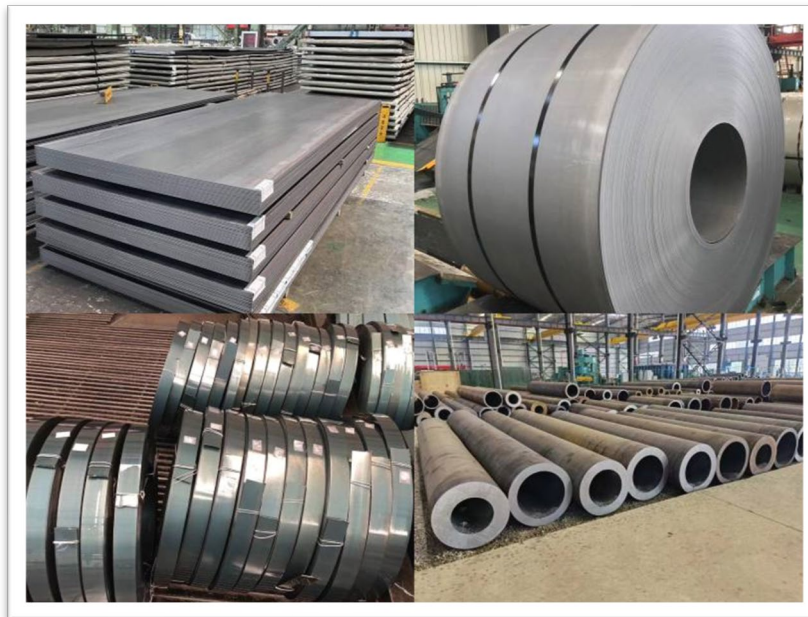
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# 01 ABOUT US

## MILESTONES

Shanghai Dongransheng Technology Co., Ltd, based in Wuxi, China, operates steel warehouses, steel structure fabrication plants, large-scale casting facilities, and CNC machining factories, offering comprehensive metalwork solutions.



**Apr. 2015**

STEEL WAREHOUSE, OFFER  
COILS, STRIPS, PLATES,  
PIPES ,BARS

STEEL STRUCTURE  
FABRICATION

**Mar. 2018**



FORGING  
CNC MACHINING

**Dec. 2022**

**May 2020**

LARGE-SCALE  
CASTING



## 02 | PRODUCT AND SERVICE



# STEEL MATERIAL

- **Extensive Steel Inventory**

Diverse Shapes & Grades: Comprehensive stock of plates, tubes, bars, and more, covering carbon steel, stainless steel, and alloy steel.

- **Global Expertise**

Proven Export Experience: Over a decade of experience in international trade, ensuring reliable global supply.

- **Application Industries**

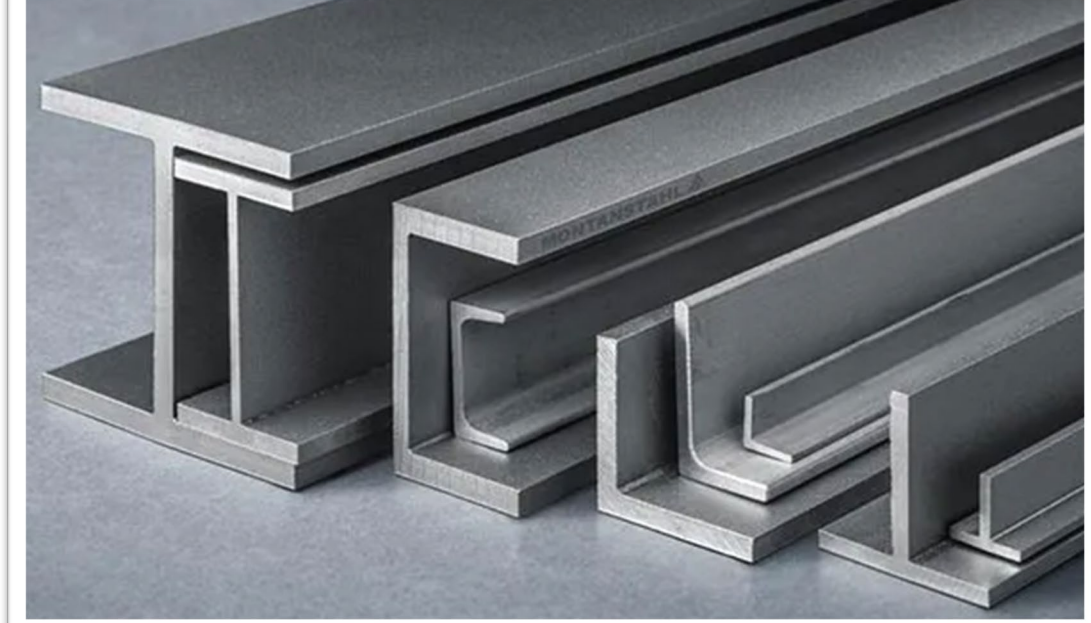
Construction & Infrastructure; Automotive & Transportation; Energy & Power; Manufacturing & Machinery; Household Appliances ; Marine Engineering & Shipbuilding; Offshore Engineering.





# 02 | PRODUCT AND SERVICE

## PRODUCT DISPLAY 01





# 02 | PRODUCT AND SERVICE

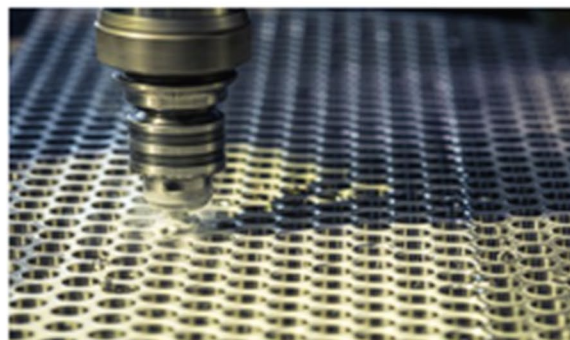
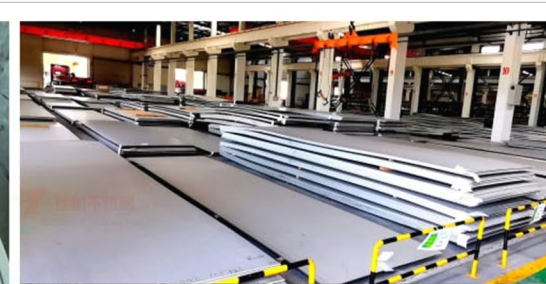
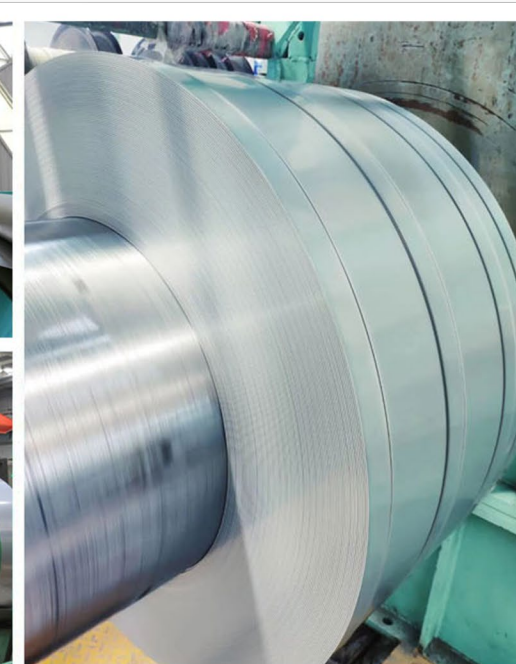
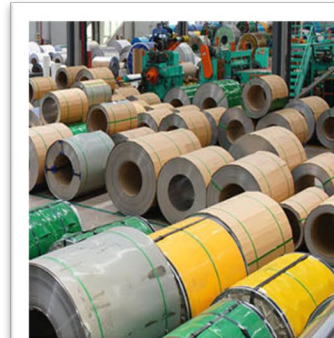
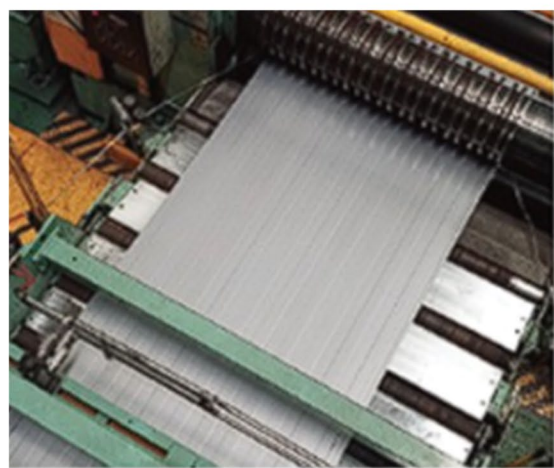
## PRODUCT DISPLAY 02





# 02 | PRODUCT AND SERVICE

## EQUIPMENT DISPLAY





## 02 | PRODUCT AND SERVICE



# STEEL STRUCTURE FABRICATION

- **Advanced Equipment & Large-Scale Production**

Equipped with a wide range of processing machinery, we can handle large-size steel structures with high precision.

- **Compliance with International Standards**

Our products meet global quality and safety standards, ensuring reliability in various applications.

- **Application Industries**

Widely used in construction, offshore engineering, and heavy machinery industries, our steel structures support demanding projects worldwide.





# 02 PRODUCT AND SERVICE

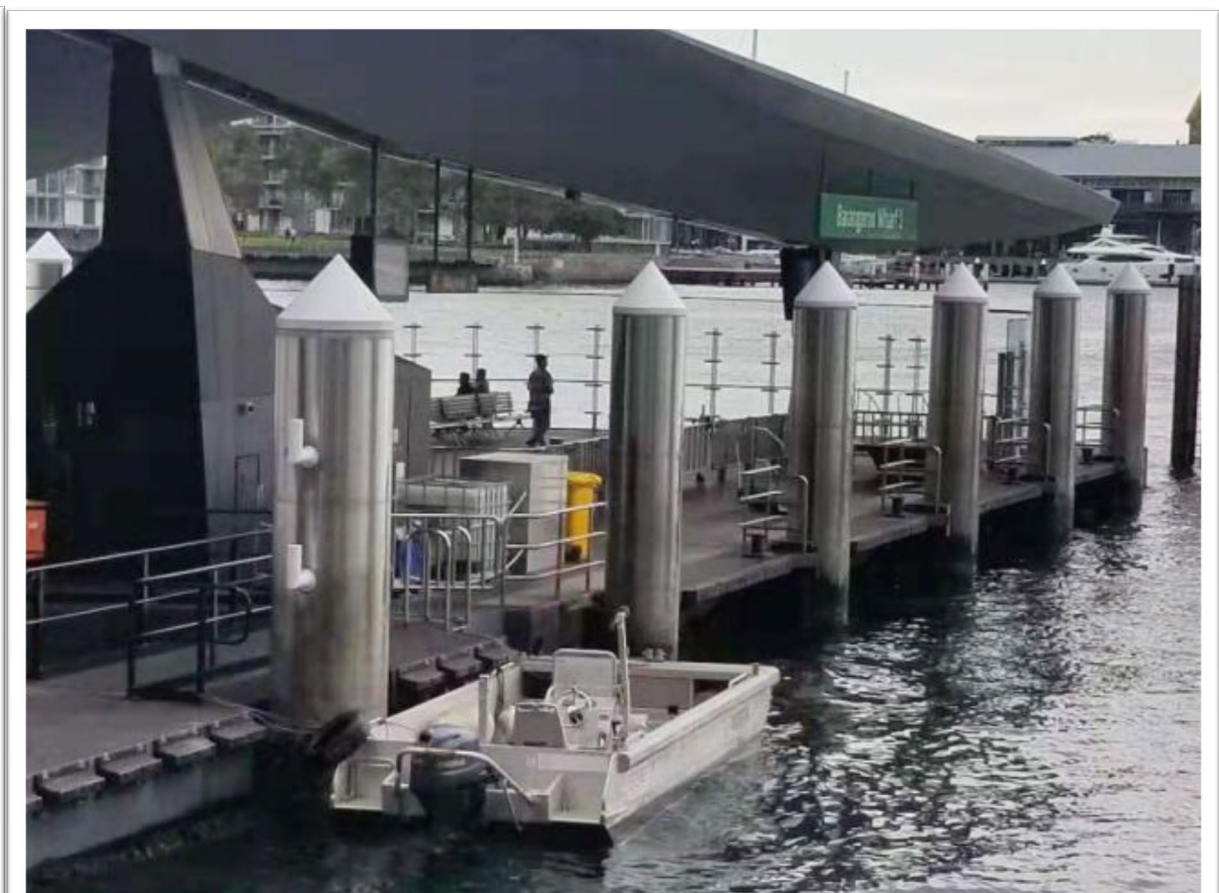
## PRODUCT DISPLAY 01





# 02 | PRODUCT AND SERVICE

## PRODUCT DISPLAY 02





# 02 PRODUCT AND SERVICE

## EQUIPMENT DISPLAY





## 02 | PRODUCT AND SERVICE



# LARGE-SCALE CASTING

- **Advanced Casting Technology & Large Production Capacity**

Equipped with modern casting facilities, we produce high-precision, large-scale castings tailored to customer needs.

- **Strict Quality Control & International Standards Compliance**

Our products meet global industry standards, ensuring durability, strength, and reliability.

- **Diverse Industry Applications**

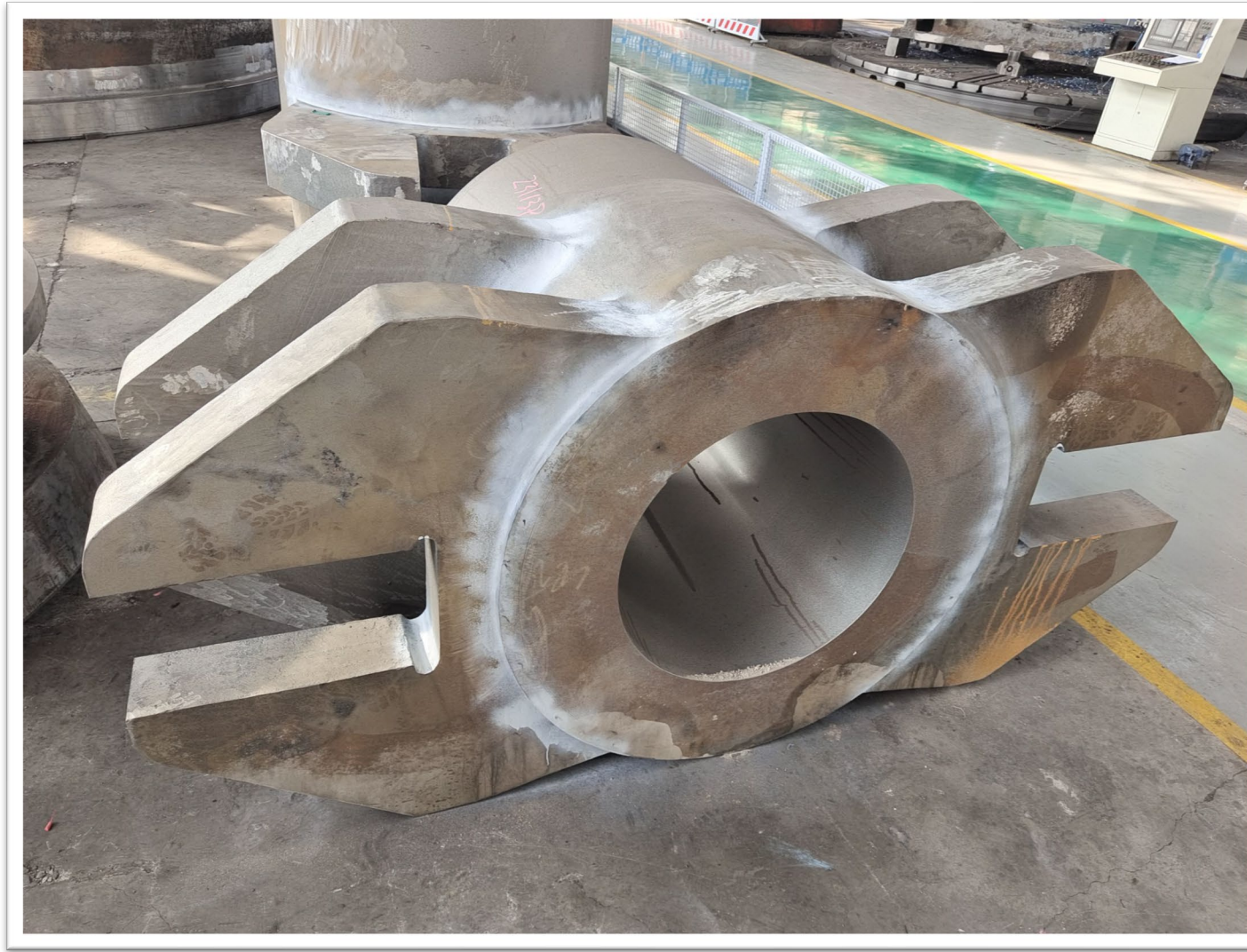
Serving sectors such as heavy machinery, marine engineering, energy, and automotive, our castings support demanding industrial applications worldwide.





# 02 | PRODUCT AND SERVICE

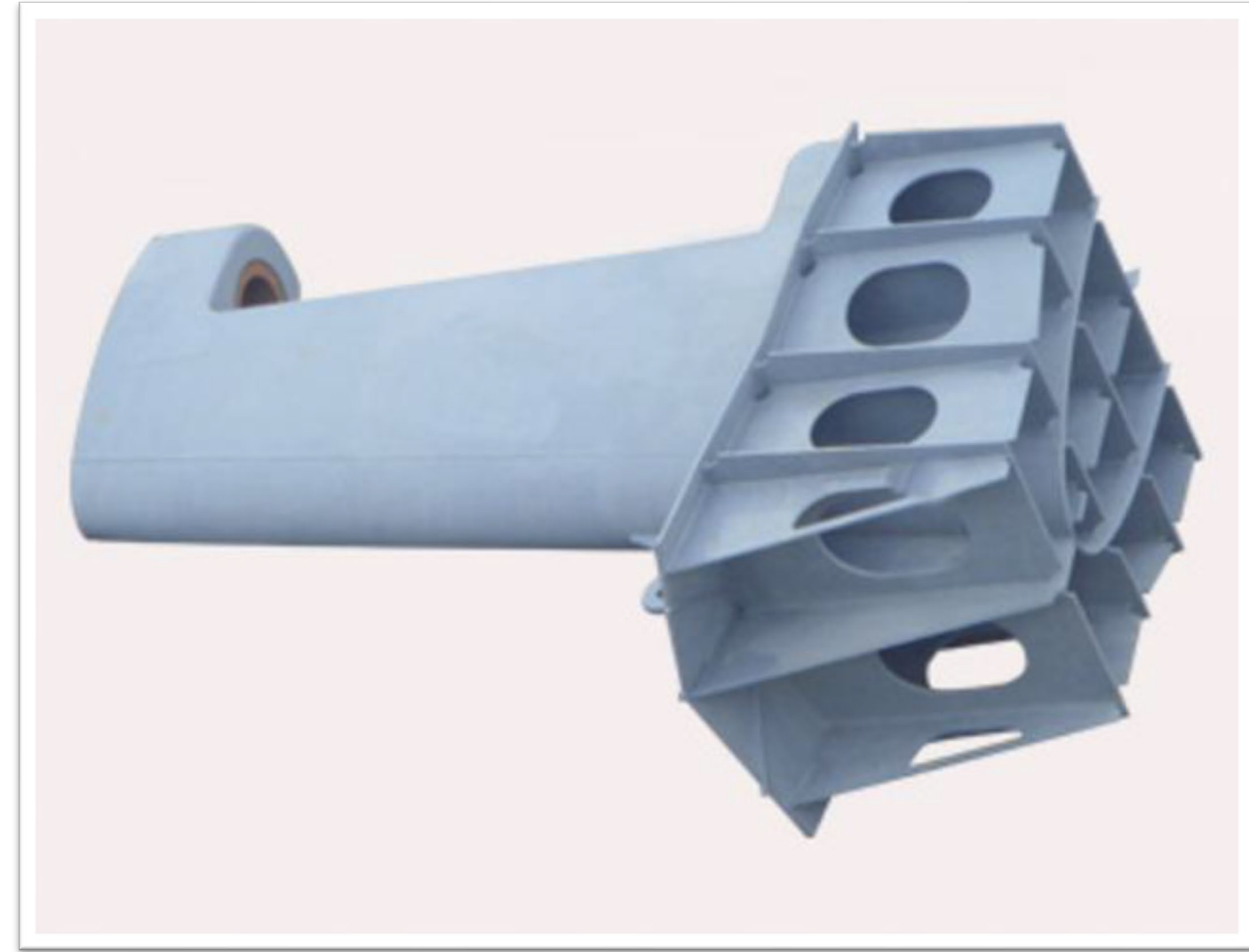
## PRODUCT DISPLAY 01



### Rudder Stock

The rudder stock is an arm-like component mounted on top of the rudder, used to turn the rudder. It is also known as the rudder yoke. The rudder stock is a straight bar fitted securely onto the rudder shaft head.

- Types: Based on shape, steel rudder stocks are classified into straight rudder stocks and sector-shaped rudder stocks.
- Weight Range: 5 – 60T
- Material: Carbon Steel, Manganese Steel



### Rudder Horn

The rudder horn is an arm-like structure attached to the stern of the vessel, designed to support a semi-balanced rudder. Its cross-section is typically streamlined to match the rudder blade, optimizing hydrodynamic performance. In addition to supporting semi-suspended rudders, the rudder horn also serves as a stern structure for semi-balanced rudders, and its quality directly affects the durability and performance of the vessel's stern.

- Weight Range: 5 – 120T
- Material: Manganese Steel, Carbon Steel, etc.





# 02 | PRODUCT AND SERVICE

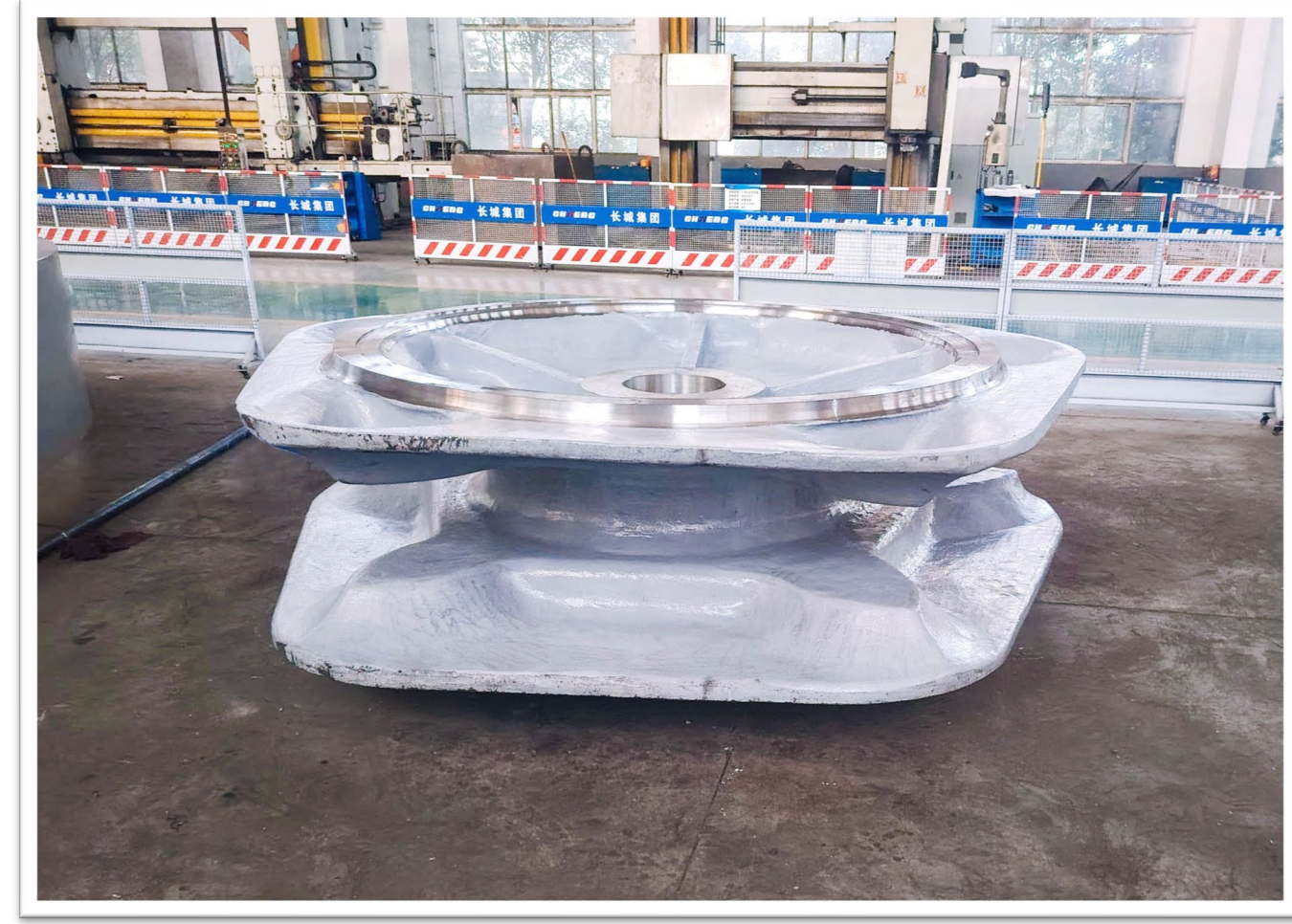
## PRODUCT DISPLAY 02



### Stern Post

The stern post is a key structural component of the ship's stern, located at the lower rear end of the stern structure. It functions to connect and reinforce the outer hull plates, while also supporting and protecting the propeller and rudder. Additionally, it absorbs the vibrations and hydrodynamic forces generated during operation, enhancing the overall structural strength of the stern. Due to its complex shape, the stern post is generally cast, and for large vessels, it can be cast in sections and then welded together during assembly.

- Weight Range: 5 – 60T
- Material: Cast Steel



### Anchor Chain Wheel

The anchor chain wheel is a drum with deep grooves designed to engage with the links of the anchor chain. It is classified into two types based on the number of teeth:

- Type A: Five-tooth anchor chain wheel
- Type B: Six-tooth anchor chain wheel

As a key component of the anchoring system, the anchor chain wheel's manufacturing quality directly affects the efficiency of weighing and dropping anchor, playing a crucial role in ensuring the ship's safe navigation. It must withstand torque, traction, and impact forces from multiple directions, requiring strict internal quality standards to ensure durability and reliability.

- Weight Range: 5 – 55T





# 02 | PRODUCT AND SERVICE

## PRODUCT DISPLAY 03



Rudder Stock



Rudder Stock





# 02 | PRODUCT AND SERVICE

## PRODUCT DISPLAY 04



Anchor Chain Wheel



Anchor Lip





# 02 | PRODUCT AND SERVICE

## PRODUCT DISPLAY 05



Rudder Horn



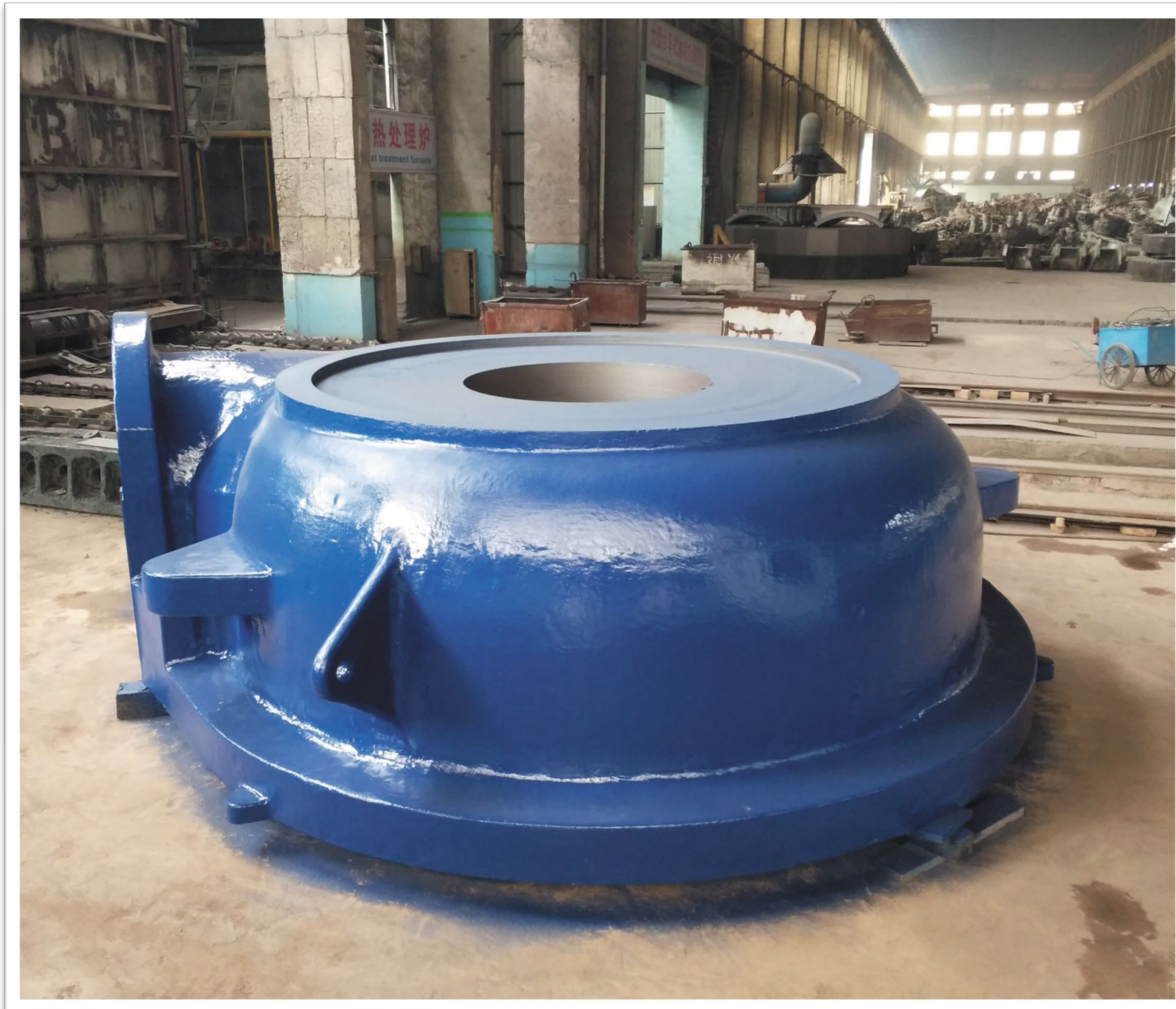
Stern Post





# 02 | PRODUCT AND SERVICE

## PRODUCT DISPLAY 06



Dredger Pump Casing



Rudder Bearing





# 02 PRODUCT AND SERVICE

## EQUIPMENT DISPLAY 01



80T Refining Furnace



Casting



Sand Mixing



Pouring



Heat Treatment



Scrap Steel Area





# 02 PRODUCT AND SERVICE

## EQUIPMENT DISPLAY 02



100m Drilling Machine



10m Gear Hobbing Machine



8m Vertical Lathe



80m Drilling Machine



4m Vertical Lathe



5m Vertical Lathe





# 02 | PRODUCT AND SERVICE

## EQUIPMENT DISPLAY 03



**CMM Scanner (Coordinate Measuring Machine Scanner)**



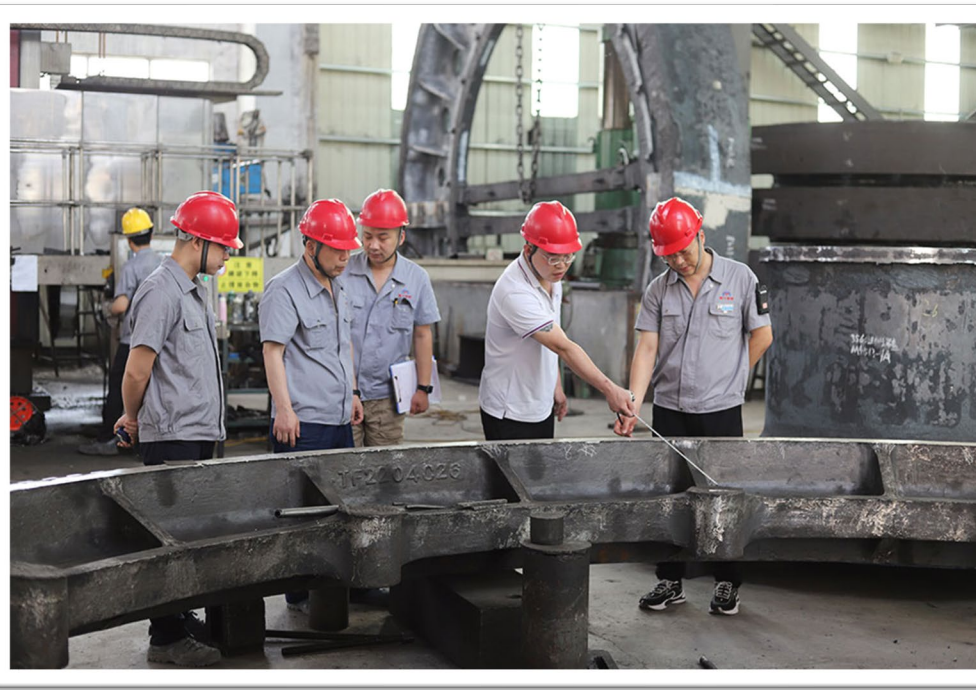
**Magnetic Particle Testing (MT)**



**Ultrasonic Testing (UT)**



**Hardness Testing**



**Dimensional Inspection**



**German OBLF Direct Reading Spectrometer**





## 02 | PRODUCT AND SERVICE



# LARGE PARTS FORGING PRECISION MACHINING

- **Advanced Equipment & High Precision**

Equipped with a wide range of machining facilities, including 5-axis CNC machines, we ensure high-precision, complex, and large-scale machining capabilities.

- **Diverse Industry Clients**

We serve a broad range of industries, including aerospace, automotive, energy, and heavy machinery, meeting various technical and quality requirements.

- **Free Sample for Quality Assurance**

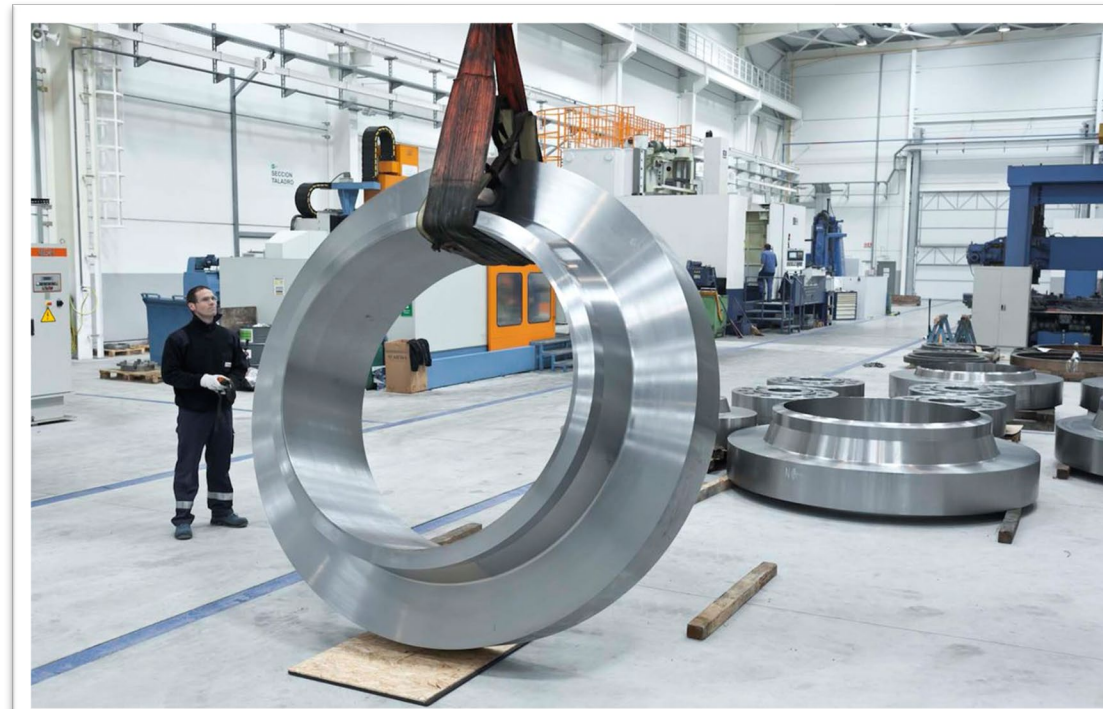
We offer free prototype for new customers to verify our machining quality and precision before placing bulk orders.





# 02 | PRODUCT AND SERVICE

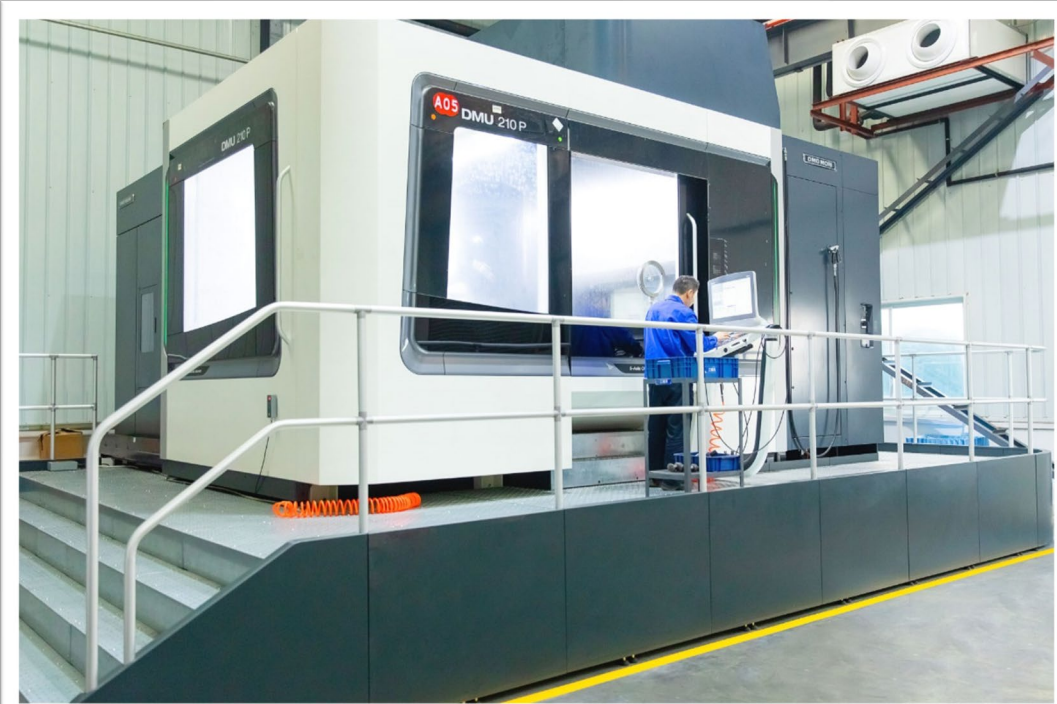
## PRODUCT DISPLAY





# 02 | PRODUCT AND SERVICE

## EQUIPMENT DISPLAY





## 03 COOPERATION

# Domestic Customers

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Yangzijiang Shipbuilding (Holdings) Ltd.  
揚子江船業(控股)有限公司

### Shipbuilding Industry

YZJ shipbuilding covers shipbuilding, marine engineering, and steel structure fabrication. As one of China's major shipbuilders, we supply marine-grade steel plates and provide machining services for various ship components.



### Appliance Industry

Midea is a leading global manufacturer of home appliances. We supply high-quality stainless steel materials to Midea for the production of their household appliances.



### Power Engineering Industry

State Grid Corporation of China is the world's largest power utility company. We supply high-quality large-scale forged products to support its power infrastructure projects.





## 03 COOPERATION

# Overseas Customers

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### Mining & Chemical Industry

Foskor is a leading South African producer of phosphate and phosphoric acid. We supply 904L stainless steel products and precision drive shafts to support their industrial operations.



### Mining & Metals Industry

Rio Tinto is a global mining and metals company specializing in mineral extraction and processing. We supply carbon steel plates and wear-resistant plates for mining applications to support their operations.



### Engineering, Construction & Manufacturing Industry

Larsen & Toubro (L&T) is a global engineering and construction company specializing in infrastructure, technology, and manufacturing. We supply casted components and precision-machined products to support their industrial and engineering projects.







**Shanghai Dongransheng Technology Co.,Ltd.**

# THANKS!

*-Your Trusted Global Partner*

