

2026

AYZER

Casting & Machining

Where Iron Meets Mastery

AYZER

AYZER CASTING

Ayzer casting foundry established 2004 in İstanbul. **Ayzer** is a leading and innovative establishment in the cast iron manufacturing, processing and sales sector, operating with nearly half a century of experience.

Operating from our high-technology facilities, we adhere to the principles of **precision, quality and sustainability** to produce reliable and durable solutions for our customers across a wide range of sectors, from automotive to marine industry.

Our expert team is driven by the vision of successfully executing even the most complex projects, while our core mission is always to maintain **customer satisfaction at the highest level.**

Where Iron Meets Mastery



Casting Excellence: Innovation and Quality

Our commitment to casting excellence is fueled by continuous investment in **advanced foundry technology** and decades of **metallurgical expertise**. We strive for zero-defect production, ensuring that every cast piece meets the highest **international quality standards** (ISO, IATF, etc.) while driving sustainable manufacturing practices. This is the innovative power of Ayzer.



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Organization Chart





Manufacturing Equipment

Inductoterm 3 tons dual Truck x 2 Set

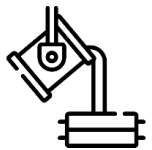
Moulding Capacity : 170 Mold / Hour

Casting Capacity: 1500 Tons / Month

Green Sand Plant: 100 tons sand mixing capacity w/2 Mixer

Omega Sand Reclamation: 1,5 Ton/Hour

Core Shop: 2 Hot Box / 4 Cold Box



Grades

Grey Iron, Ductile Iron,
Vermicular (CGI) and New
Generation of Cast Iron
(ADI, SiMo Etc.)



KG Range

1 KG to 60
KG

Where Metal Meets Mastery





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Production / Moulding

Sinto FCMX automatic **horizontal** moulding line has the capacity of maximum of 170 Molds/Hour as its mould dimensions are 600mmx700mm / 360-500mm height.

Sinto FBO **horizontal** moulding line mould dimensions are 500mmx600mm / 360-440mm height

- High-Volume and Consistent Output
- Superior Dimensional Precision
- Integrated Production Flexibility
- Cost-Effective, Low-Defect Operation
- Low investment cost for aluminium pattern

Machining

Machining is one of Ayzer's key investment areas, aligned with our long-term growth and integration strategy. Building on our strong casting expertise, we are developing advanced machining capabilities through modern CNC technology, precision manufacturing, and a quality-driven approach. With planned investments in technology, skilled workforce, and continuous improvement, we aim to rapidly expand this capability in the coming years and position machining as a core competence, delivering fully integrated and high value-added solutions to our customers.

2 Horizontal Machining Centers
3 Vertical Machining Centers
2 Lathe Machines

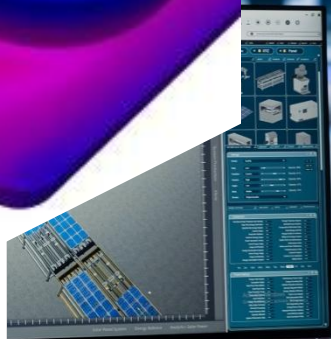
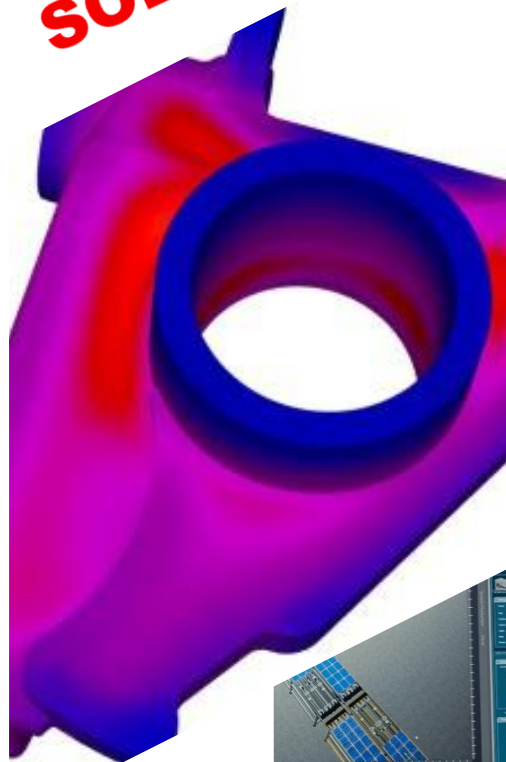
Hexagon Cmm
3d Printing Device
3d Scanning Device
Laser Marking Device

Free
Capacity

1000
sqm



SOLID  **CAST**



Engineering:

The metal industry is being reshaped by **Industry 4.0** and **sustainable innovation**. This content highlights global trends that directly impact **your supply chain's future**.

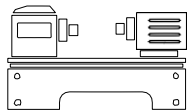
Our purpose is to demonstrate how Ayzer's advanced technology overcomes **your operational challenges** and guarantees **superior product performance**. We aim to be your **strategic solution partner**. Let us mold the future of manufacturing together.

Our project team approaches **every** new project with great care, thoroughly examining all details with precision. To ensure the most efficient and robust production of the parts, **Solid Cast casting simulations** are performed, after which the pattern manufacturing is completed **in-house in the shortest possible time**. The produced samples undergo **all tests requested** by our customers, and all resulting reports are shared with them in full.



Industries That We Serve

%22



Machine

%7



Hydraulic /
Valve

%10



Automotive

%2



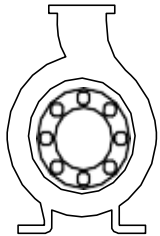
Railway

%3



Energy

%10



Water Valve /
Pump

%17



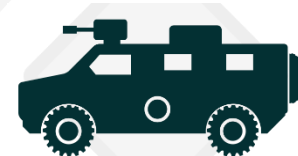
Agriculture /
Tractor

%4



Marine

%5



Defense

%20



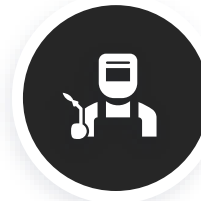
Heavy
Vehicle

Quality Policy

“CAST IRON MANUFACTURING” AND OUR SALES COMPANY ADOPT THE FOLLOWING PRINCIPLES AS A POLICY;

- ▶ ALWAYS RISING THE SATISFACTION LEVEL OF OUR CUSTOMERS, BY STRUCTURING AND EXTENDING THE CUSTOMER-ORIENTED PRODUCTION AND SERVICE PHILOSOPHY IN THE COMPANY,
- ▶ COMPLYING WITH CUSTOMER TERMS, LEGAL REQUIREMENTS IN OUR COUNTRY AND INTERNATIONAL AGREEMENTS.
- ▶ TO GIVE THE IMPORTANCE TO OUR EMPLOYEES TO TRAINING AND RAISING AWARENESS TO ENSURE THE REALIZATION OF OUR GOALS WITH THE APPROACH OF “THE PEOPLE MAKES THE DIFFERENCE”.
- ▶ CREATES QUALITY IMPROVEMENT PLANS TO INCREASE PRODUCTION EFFICIENCY, REDUCE PRODUCTION LOSSES AND ENSURE THEIR CONTINUITY,
- ▶ ACHIEVING TERMINAL COMPLIANCE, LOW COST AND HIGH PRODUCT QUALITY BY USING SCIENTIFICALLY ACCEPTABLE QUALITY AND MANUFACTURING TECHNIQUES.
- ▶ RISING OUR COMPETITIVE SUPERIORITY TO THE HIGHEST LEVEL WITH THE PURPOSE OF INCREASE THE VALUE OF OUR COMPANY,
- ▶ PREVENT POLLUTION BY ENSURING DISPOSAL OF WASTE THROUGH RECOVERY.
- ▶ TO TAKE MEASURES IN CASE OF A POSSIBLE ACCIDENTAL OR EMERGENCY THAT MAY OCCUR DURING OUR ACTIVITIES, TO PREVENT EVENTS AND INJURY BY PERFORMING RISK ANALYSIS.
- ▶ TO COMPLY WITH THE APPLICABLE OHS, ENVIRONMENTAL LEGISLATION AND THE CONDITIONS OF THE ORGANIZATIONS IT IS A MEMBER OF.
- ▶ TO ENSURE THE CONTINUOUS IMPROVEMENT OF OUR QUALITY, ENVIRONMENTAL, OHS MANAGEMENT SYSTEMS AND OTHER BUSINESS PROCESSES BY EFFECTIVELY OPERATING AND REVIEWING.

ENSURING THAT THIS QUALITY POLICY IS UNDERSTOOD BY RELATED PARTIES AND EMPLOYEES IS OUR COMPANY’S MOST SINCERE COMMITMENT



**Quality is not a
coincidence; it is the result
of systematic works.**





Environmental Responsibility and Sustainability

Guided by our **ISO 14001 Environmental Management System**, we manage all production processes based on resource conservation and pollution prevention. We are committed to systematically reducing our environmental impact, ensuring legal compliance, and fostering a sustainable future.

Our New Investments

- ▶ 3,4 Mw Solar Power Plant
- ▶ Omega Green Sand Reclamation System
- ▶ Nederman Filter Systems



Quality Control (Metal)

01



02



→ OBLF Spectrometre

→ BMS /Innovatest Hardness Test 3 Tons

→ Nikon Microscope Micro Structure Control

→ BAZ Mechanical Tensile Test 20 T

→ Magnetic Control

→ Endoscopic Control Device

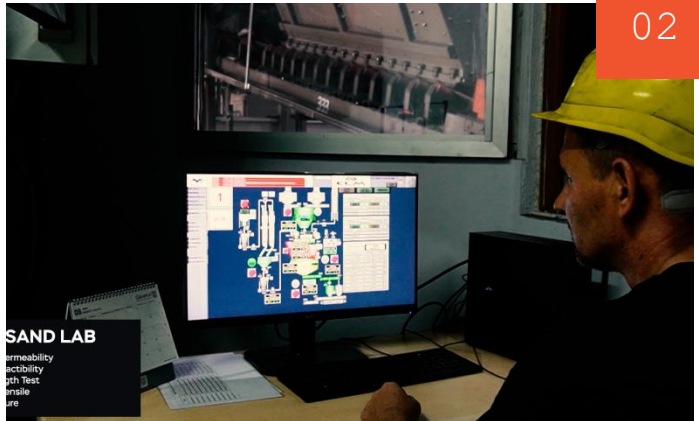
→ SiderKemco Termal Analysis

→ Hexagon CMM Dimensional Control





01



02



Quality Control (Sand)

→ Jung Wet Tensile Strength Device

→ Jung Compactibility Device

→ Jung Gas Permeability Device

→ Jung Strength Device

→ Moisture Device

→ Green Sand Sieve Analysis

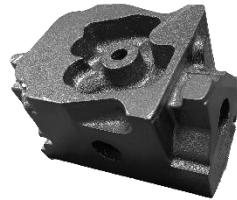
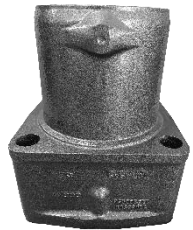
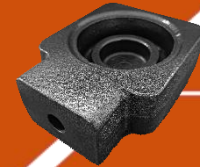
→ Activate Clay Test

→ Mold Strength Test (Shore)



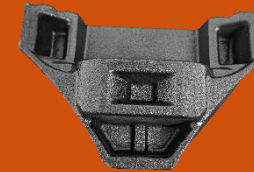
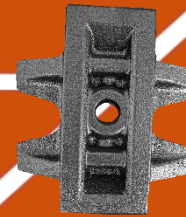


Products



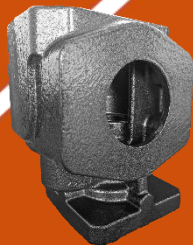
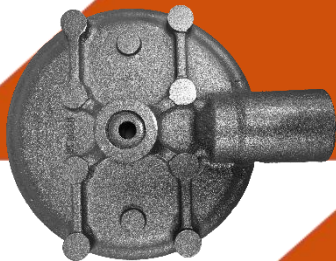
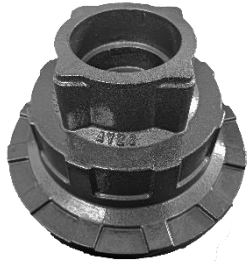
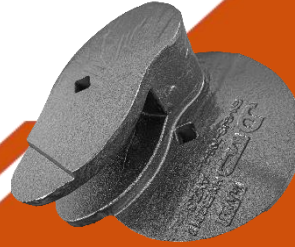
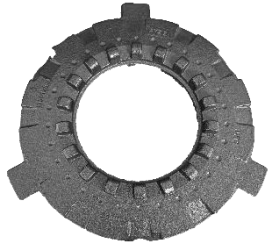
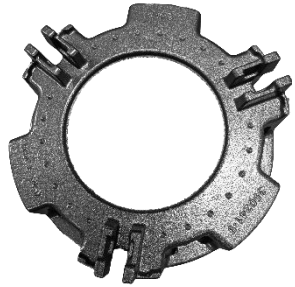


Products





Products





Products



AYZER Quality Certificates



• • • IATF 16949

• • • TUV AD 2000

• • • BV Mode II Marine



• • • TUV NORD ISO 9001

• • • TUV NORD ISO 14001

• • • TUV NORD ISO 45001

• • • DSI APPROVAL

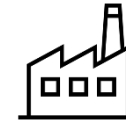
AYZERDOKUM.COM

Get In Touch



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Strong with **Partners**

Where Iron Meets Mastery

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Casting & Machining

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