

Welcome to AHS Anadolu Hydraulic Casting Solutions

Precision Engineering. Global Reliability.

As AHS Anadolu Hydraulic, we combine our deep experience in iron and aluminum casting production with engineering solutions that meet global standards. With our innovative technologies, meticulous quality control processes, and custom design capabilities, we make a difference in global OEM and aftermarket parts markets.

In this presentation, you will discover our advanced technology production facilities, our global network, and the added value we will provide to your business. By collaborating with AHS, increase performance in your casting projects, reduce costs, and raise your bar of success.

About Us

Established History

Our company, founded in 1975, has been a leading player in the casting industry since 2004. With our 20 years of deep industry experience and technical expertise, we are recognized as a reliable and innovative brand in the field of casting.

Modern Production Facilities

With our two modern facilities strategically located in Konya and Kırşehir, we have an impressive production area of 65,000 m². Equipped with advanced technology equipment and efficiency-focused production lines, we produce superior quality products with our team of over 300 specialized employees.

Global Impact

We export our high-standard casting products to more than 60 countries across 5 continents. With our extensive global customer network, we are an indispensable and trusted solution partner for international supply chains.

Thanks to the steady growth we have maintained since our establishment, we have gained a respected position in both domestic and international markets. By understanding our customers' evolving expectations, we continue to work passionately to provide engineering marvels, high-quality, and cost-effective solutions.

Our Core Competencies

Agile Production. Deep Expertise. Uninterrupted Delivery Excellence.



OEM and Aftermarket Expertise

- We provide engineering-focused, customized product and service solutions to meet the demanding requirements of the automotive, heavy industry, and machinery sectors



Flexible Production and On-Time Delivery

- Our advanced planning systems and agile production lines enable optimal inventory management with rapid response to urgent supply demands



Superior Iron and Aluminum Casting Technology

- 20 years of deep material engineering expertise and metallurgical excellence in gray cast iron, ductile iron, and aluminum alloys



End-to-End Integrated Solutions

- Full-service value chain management from concept design to prototype tooling, precision casting to CNC-machined final products

As AHS, we go beyond just part manufacturing, providing comprehensive engineering and production solutions tailored to your project to deliver sustainable competitive advantage. The foundation of our business partnership is quality exceeding customer expectations, agile delivery, and an optimized cost balance.

Our Casting Capacity



Our Production Strength

With our daily casting capacity of 60 tons, we offer reliable and sustainable solutions in both mass production projects and projects requiring custom design.

- Wide range of part weights from 2 kg to 2000 kg
- Fully automated and advanced PLC-controlled production lines
- Experienced expert operator team in the industry



Modern Production Lines DISAMATIC Molding Lines

We aim for industrial excellence in mass production with 2 fully automatic molding lines that provide high efficiency.

- Standard mold size of 480×600 mm for precise production
- Dual-line capacity of 360 molds per hour
- Specialized processes in gray and ductile iron casting technologies



Custom Molding Solutions

We offer customized molding systems with dimensions and technical specifications tailored to customer requirements.

- 2 DH7 Horizontal Molding (600×700 mm - 90 molds/hour capacity)
- High-precision HWS Molding Line (600×700 mm - 80 molds/hour)
- Alphaset Resin Sand Mixer (10-15 tons/hour production capacity)



Our Facility Structure

We implement optimized process management with our production facilities located in strategic positions providing logistical advantages.

- Kırşehir Facility: Large-scale casting and Alphaset production line
- Konya Facility: Precise CNC machining and advanced finishing operations
- Dedicated manual molding areas designed for special projects

Our high-capacity casting lines equipped with advanced technology offer a wide production range from large-scale mass production to complex geometry custom parts. Thanks to our continuously modernized equipment and specialized operator team, we guarantee maximum efficiency and superior quality standards by applying the optimum production methodology tailored to each order.

Our Processing Capacity

Facility Features

65,000 m² total area (40,000 m² covered)

300+ expert technical personnel

Integrated ERP/MRP systems

- High-volume mass production capacity
- Fully automated conveyor lines
- Full integration with casting operations in Kırşehir

Our advanced manufacturing capabilities, complementing our excellent casting production capacity, enable us to provide our customers with directly assembly-ready, flawless parts. Our state-of-the-art CNC machines and fully automated production lines achieve micrometer-level precision even for the most complex geometries, surpassing industry standards.

Our high-precision machining equipment, modern robotic systems, and efficiency-focused automated conveyors allow us to deliver maximum production performance without compromising quality. This holistic approach provides our customers not only with superior quality products, but also significant time and cost advantages.

CNC Machine Park

- 22 Horizontal CNC machining centers
- 15 Vertical CNC machining centers
- 25 CNC turning lathes
- 10 CNC grinding machines
- 5 CNC gear cutting machines

Advanced Technology Systems

- Precision robotic welding systems (MIG/TIG)
- Modern electrostatic powder and wet paint booths
- Advanced test benches for hydraulic components
- High-precision CMM and dimensional control equipment

Quality Control

Chemical Analysis

We precisely control material composition at the micron level with our OBLF spectrometers, QuickCup technology, and advanced thermal analysis systems

Traceability

Our innovative blockchain technology enables uninterrupted tracking from raw material to final product, creating an environment of transparency and trust



Process Control

We adopt full traceability as a fundamental principle in our production processes, meticulously recording every critical stage to continuously guarantee quality

Certification

All our production processes fully comply with the internationally recognized ISO 9001 Quality Management System standards, providing assurance to our global customers

Our comprehensive quality control system rigorously inspects every stage of production, from raw material acceptance to final product shipment. Our ISO 9001 certified integrated management system and state-of-the-art laboratory equipment ensure complete compliance with even the most demanding technical specifications.

Our advanced digital traceability infrastructure instantly makes accessible the production history, raw material composition, and detailed test results of each component. This innovative system enables proactive identification of potential issues, significantly accelerates resolution processes, enhances customer satisfaction, and supports our continuous quality improvement culture.

Our Material Diversity

Gray Cast Iron

GG20 - GG30 grades

- Superior vibration damping properties
- Optimal heat conductivity and distribution
- Cost-performance balance

Ductile Cast Iron

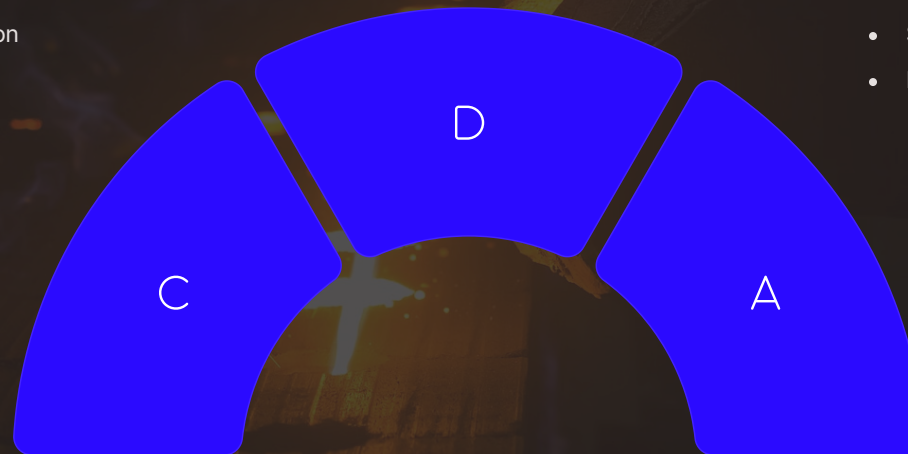
GGG40 - GGG70 grades

- High tensile and bending strength
- Exceptional impact and wear resistance
- Spheroidal graphite structure obtained by magnesium treatment

Aluminum Casting

High pressure and gravity die casting

- Leading lightweight design solutions in the industry
- Superior corrosion resistance and long service life
- Flawless surface quality and aesthetic appearance



Our comprehensive material portfolio enables us to provide our customers with optimized solutions tailored to their specific applications. With our advanced casting technologies and deep material engineering expertise, we meticulously select the ideal material for each project's unique requirements.

The comprehensive testing and detailed analysis we conduct in our modern laboratory ensure the sustainable quality of all our materials and their full compliance with international industry standards.

Our Product Range



Hydraulic Power and Flow Control Solutions

We manufacture high-pressure, precision-toleranced hydraulic components for mobile and industrial systems. Our superior sealing technology and durable designs guarantee long-lasting and uninterrupted performance of your systems.

✓ Our Product Portfolio:

- Hydraulic Gear Pumps
- Directional Control Valve Blocks
- Hydraulic Cylinders
- Damper Pumps
- Steering System Parts
- Hydraulic Steering Conversion Kits
- Manifold Blocks and Connectors

📍 Application Areas:

Tractors, trucks, construction and industrial machinery, agricultural equipment, and light commercial vehicles



Precision Casting and Machining Parts

Specializing in gray cast iron, ductile cast iron, and aluminum alloys, we manage the entire production process from raw material to ready-to-assemble components under one roof. Each part is manufactured with micron-level precision and undergoes comprehensive quality controls before delivery.

✓ Our Product Portfolio:

- Engine and Gearbox Housings
- Differential and Axle Carrier Parts
- Industrial Pump and Valve Housings
- Transmission and Brake System Components
- Precision Aluminum Injection Parts
- CNC Machined Prototype and Production Parts

📍 Application Areas:

Automotive, industrial equipment, hydraulic systems, gearbox manufacturers, and machinery production



Sectoral and Special Project Solutions

We offer innovative engineering solutions tailored to the unique needs of industrial sectors. With our specialized design and production capabilities, we meet complex technical requirements, providing our customers with a competitive advantage.

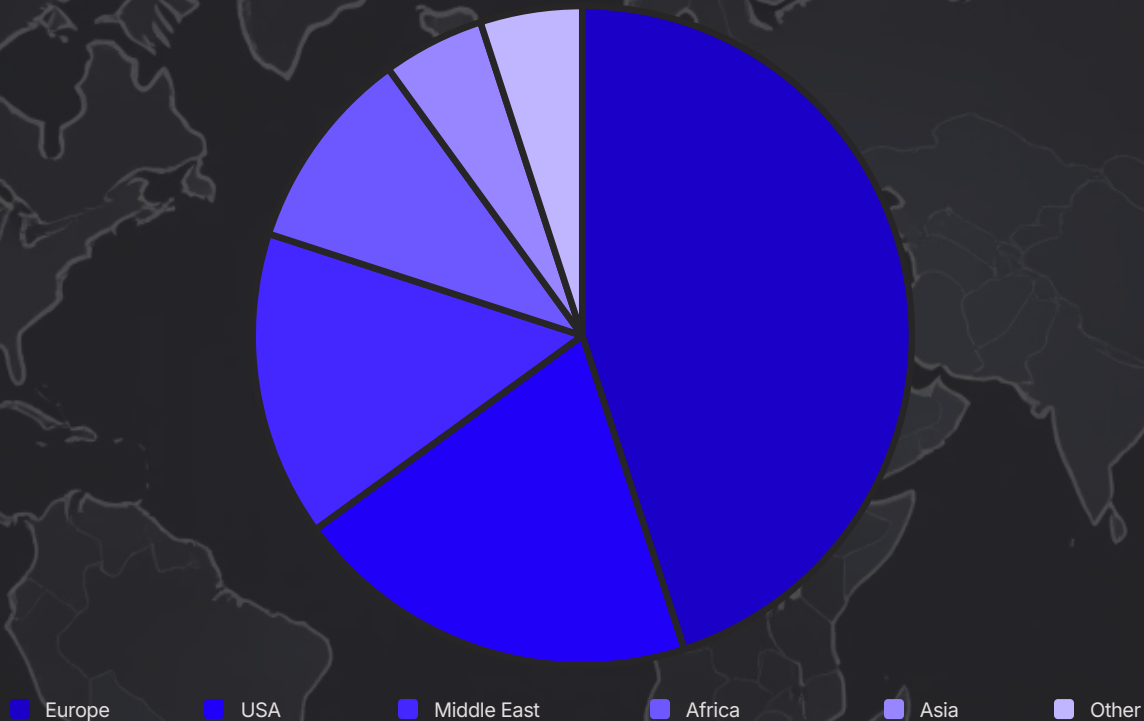
✓ Our Product Portfolio:

- Mineral and Mining Pump Parts
- Manhole Covers and Gratings for Urban Infrastructure
- Railway Connection Equipment
- Defense Industry Armored Vehicle Parts
- Agricultural Equipment Connection Components
- Special Infrastructure Solutions for Municipalities

📍 Sectors We Serve:

Mining, infrastructure, defense industry, agriculture, municipalities, and rail systems

Our International Presence



As AHS, we are a global manufacturer exporting to **more than 60 countries**. As shown in the chart, our exports to the European market account for 45%, followed by the USA (20%) and the Middle East (15%). This strong international distribution is a testament to the global quality standards and competitiveness of our products.

At the heart of our success is our **agile manufacturing capability** that allows us to quickly adapt to the technical standards and certification requirements of different countries. Our engineering team adds value to our customers by developing **customized solutions** tailored to the unique expectations of each market.

Our **long-term strategic partnerships** with international business partners position us not just as a product supplier, but as a trusted solution partner. Sustainable quality, on-time delivery, and proactive technical support are the key factors that make global customers prefer AHS.

Our References in Agriculture, Hydraulics and Commercial Vehicles



Binottogroup



SPAREX
AGRICULTURAL PARTS



GRANIT
QUALITY PARTS



CNH
INDUSTRIAL



MILLAT TRACTORS LIMITED



AGCO
Your Agriculture Company



NEW HOLLAND
AGRICULTURE



Al-Futtaim

alghazitractorsofficial

Our strong business partnerships with global industry leaders such as Binotto, CNH, AGCO, Sparex, Millat Tractors, Al Ghazi Tractors and Granit are the most tangible evidence of our **production quality to international standards**, innovative engineering approach and flawless delivery performance.

Our dynamic production infrastructure, which can meet the high-volume mass production demands of OEM manufacturers while also responding to the fast and flexible supply needs of the aftermarket segment, makes us a unique solution partner that can quickly adapt to changing market conditions.

By deeply evaluating the specific technical requirements of each of our customers and developing **value-added and purpose-specific solutions**, we go beyond just being a supplier and create value as a strategic business partner that contributes to the sustainable growth goals of our customers.

Our Casting References



HYVA, Greenpipe, WEIR and other leading global brands we have developed strategic partnerships with are the strongest proof of our **exceptional technical competence, meticulously managed quality processes, and our ability to perfectly comply with international production standards.**

The comprehensive solutions we provide to our valued customers in the OEM and aftermarket segments include integrated service packages covering all stages of the casting process, from project-specific material formulation development, detailed technical drawing support, and performance-optimized part design.

The customer-centric approach we adopt in every project and the customized engineering solutions we provide not only meet current requirements but also transform the collaborations we build with our customers into long-term, sustainable value-generating strategic partnerships.

Get in Touch

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We look forward to you contacting us for custom casting projects or strategic partnership opportunities. Our team of expert engineers analyzes the specific needs of your project in detail and develops optimal solutions that provide a competitive edge in the market.

We invite you to visit our state-of-the-art production facilities. By visiting our factory, you can closely examine our innovative casting processes, precise quality control systems, and R&D efforts, and observe the industrial excellence philosophy of AHS Anadolu Hidrolik.

As a reliable solution partner, we are committed to creating sustainable value to help your business achieve its growth and development goals. We eagerly await to hear from you, hoping that our collaboration will turn into a lasting and productive business relationship for both parties.