

Excellence in Iron and Steel Casting



PRECISION



DURABILITY



CUSTOM ENGINEERING

ABOUT US

Dinamik Metalurji stands as a dynamic and trusted partner in the global foundry industry since 2003. With years of specialized experience, we have established ourselves as a leading manufacturer of Nodular (Ductile) and Pig (Gray) Iron castings for our global and local partners. Our mission is to provide robust, reliable solutions for the most complex industrial challenges, serving a diverse international

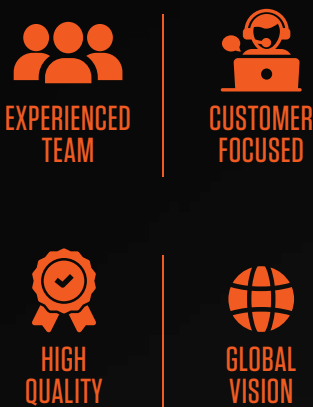
We bridge the gap between traditional craftsmanship and cutting-edge technology. Our modern facility is equipped to handle projects from initial concept to final delivery, ensuring every component meets the exacting specifications and highest global standards. At Dinamik Metalurji, we don't just cast metal; we engineer trust and build lasting partnerships through unwavering commitment to quality and innovation.

VISION

Our vision extends beyond mere production; we are dedicated to innovation and continuous improvement in every aspect of our operations. From initial design consultation to final delivery, our team of expert metallurgists and engineers ensures that each casting meets the most stringent international standards. This dedication to precision and reliability has cemented our reputation for delivering solutions that perform under the most demanding conditions, fostering long-term partnerships built on mutual success and unwavering quality.

MISSION

To deliver world-class gray and ductile iron casting solutions with uncompromising quality, precision, and consistency. We combine advanced engineering, cutting-edge production technologies, and a customer-centric approach to create superior value. Through operational excellence, continuous innovation, and a firm commitment to sustainability, we aim to be a long-term strategic partner for our clients worldwide.



MATERIALS & STANDARDS

Our foundation is built on superior material integrity. We produce a comprehensive range of iron alloys, each meticulously formulated to deliver specific mechanical properties required by demanding applications. Our expertise ensures optimal performance, durability, and cost-efficiency for every component we produce.

We specialize in two primary material families: Nodular Iron, known for its exceptional strength and ductility, and Pig Iron, valued for its superior machinability and vibration damping. All our production adheres to stringent international standards, guaranteeing material consistency and traceability. Below is a summary of our key material grades and their corresponding standard designations.

NODULAR (DUCTILE) IRON



PIG (GRAY) IRON



Material Type	Common Grades	Key Features	Example Standard (EN)
NODULAR IRON (SFERO)	GGG 40, GGG 50 GGG 60, GGG 70	High tensile strength, Superior ductility excellent impact resistance	EN-GJS-400-15
PIG IRON / GRAY IRON (PIK)	GG 15, GG 20 GG 25, GG 30	High thermal conductivity, excellent vibration damping, superior machinability	EN-GJL-250

Material Grade	Standard Code	Tensile Strength (min)	Yield Strength (min)	Elongation (%)	Brinell Hardness (HB)
EN-GJS-400-15	DIN 1693 / ISO 1083	400 MPa	250 MPa	15	130-180
EN-GJS-500-7	DIN 1693 / ISO 1083	500 MPa	320 MPa	7	170-230
EN-GJS-600-3	DIN 1693 / ISO 1083	600 MPa	370 MPa	3	190-270
EN-GJS-700-2	DIN 1693 / ISO 1083	700 MPa	420 MPa	2	225-305
GG-20	DIN 1691	200 MPa	---	---	170-229
GG-25	DIN 1691	250 MPa	---	---	190-248

PRODUCTION & TECHNOLOGY

Our advanced manufacturing capabilities are designed for maximum flexibility and precision. We seamlessly handle both small-batch custom orders and large-scale serial production runs, adapting our processes to meet unique customer requirements and tight deadlines.

INDUCTION MELTING

We utilize state-of-the-art induction furnaces for precise temperature and alloy composition control. This technology ensures consistent, high-quality molten metal with minimal impurities, forming the perfect starting point for every casting.

MOLDING TECHNOLOGY

Our advanced sand preparation and automated molding systems guarantee dimensional accuracy and smooth surface finishes. This process control is critical for producing complex geometries and maintaining tight tolerances.

PATTERN SHOP

Our in-house pattern shop enables full custom mold and pattern design based on your technical drawings (2D/3D). This vertical integration allows for rapid prototyping, design optimization, and complete control over the initial production stage.

QUALITY CONTROL

At Dinamik Metalurji, quality is not merely a final checkpoint; it is an integral culture embedded in every phase of our operation. Our comprehensive quality assurance system is designed to guarantee that every component leaving our facility performs flawlessly in its intended application. Our dedicated laboratory employs a multi-layered testing protocol. This begins with real-time chemical analysis during melting and extends through to final mechanical validation, ensuring full compliance with specified material and performance standards.



Chemical & Microstructural

Spectrographic Analysis provides real-time monitoring of chemical elements.

Microstructure Examination verifies critical parameters like nodularity and pearlite/ferrite ratios to confirm material integrity.

Process & Mechanical

Molding Sand Tests ensure process consistency for flawless surfaces.

Mechanical Testing, including Brinell hardness and tensile strength tests, validates the final material performance against project specifications.

WHY CHOOSE US ?

**WE DON'T JUST MANUFACTURE CASTINGS,
WE BUILD LONG-TERM PARTNERSHIPS.**

Choosing us means partnering with a foundry that delivers proven excellence on a global scale. We proudly supply high-quality gray and ductile iron castings to world-renowned companies, meeting the most demanding international standards. Our strength lies in precision engineering, consistent quality, and a deep commitment to reliability at every stage of production. With advanced manufacturing capabilities, strict quality control processes, and a customer-focused mindset, we ensure that every project is delivered on time, to specification, and beyond expectations. We don't just produce castings — we create lasting value and trusted partnerships.



SECTORS WE SERVE

We partner with leading manufacturers worldwide, delivering custom solutions that enhance performance, durability, and efficiency. Our expertise in both Nodular and Pig Iron allows us to select the optimal material for each specific sectorial challenge.

1. AGRICULTURE MACHINERY & SPARE PARTS

- Tractor Components
- Combine Harvester Components
- Agricultural Machinery & Spare Parts



2. VALVE & PUMP INDUSTRY

- Valve Bodies
- Covers
- Flanged Components
- Pump Housings



3. AUTOMOTIVE & SPARE PARTS

- Brake Disks
- Brake Drums
- Engine Blocks
- Cylinder Heads



4. INDUSTRIAL MACHINERY & EQUIPMENT

- Gearbox Housings
- Pump Housings
- Construction Machinery Components
- Industrial Machine Parts



5. INFRASTRUCTURE INDUSTRY

- Manhole Covers
- Water & Sewer Systems
- Ductile Iron Pipes



6. RAILWAY INDUSTRY

- Rail Fastening Components
- Heavy Load Transportation Components



SOME OF OUR PRODUCTS

To learn more about all our products, contact us or visit our website.



Let's build the future of industry together. We invite you to discuss your specific casting requirements and explore how Dinamik Metalurji's expertise can bring your projects to life with quality and precision.

Our international sales and engineering teams are ready to provide technical support, quotations, and collaborative solutions. Reach out to us through any of the channels below to start a conversation about your next component.



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