



PATTERN DESIGN

MELTING

MOULDING

CORE MAKING

PAINTING

FETTLING

LABORATORIES

ODLEWNIA BIAŁYSTOK S.A.

IRON FOUNDRY & CASTING PLANT

www.odlewnia-bialystok.pl

ODLEWNIA BIAŁYSTOK S.A. is a modern, innovation-orientated company with a long trade and business tradition, specialising in manufacturing high-quality iron castings.

The technological process takes place in a newly built facility with a total area of 8.500 m², based in Suwałki Special Economic Zone (SSSE) Subzone Białystok.

Currently ODLEWNIA BIAŁYSTOK S.A. is taking part in the investment project **co-financed with EU grants** called **"Innovative technology for manufacturing castings using a novel method of metal refining"**.



Our state-of-the-art manufacturing plant, as well as the commitment and professionalism of our staff, allows us to **process each task quickly, thus providing superior service**. Highly skilled engineers have extensive experience and solid track records within foundry industry.



The company provides comprehensive services in regards of manufacturing castings through:

- ✓ Pattern design & construction
- ✓ Selection for best laboratory analysis & best technical method
- ✓ Manufacturing
- ✓ Machining
- ✓ Painting, assembly & shipment

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The entire **technological process is subject to the full control system** in terms of raw material quality, cast iron metallurgical quality, plastics chemical composition & moulding sands analysis and castings dimension control.

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All of our castings are made to special order to meet individual customer requirements and are made from different types of cast iron.

- ✓ Castings of grey cast iron
- ✓ Castings of ductile cast iron
- ✓ High-quality castings of ductile cast iron - designed for use in extreme conditions

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Ductile iron is characterised by the high tensile strength, resistance to high pressure and possesses excellent forming properties. Can also deform without causing much damage. Suitable for manufacturing of crankshafts, piston rings, bearings, gears, machine tools, agricultural machinery, hydraulic turbines etc.

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ODLEWNIA BIAŁYSTOK S.A. is a customer-orientated company, which focuses on quality, modern solutions and development in relation to the market needs.

To ensure the full and complete offer, we opened our own **machining treatment department**, that enables us to meet the most complex technical requirements.

The machining department is equipped with:

- ✓ CNC Vertical Turning Centres
- ✓ CNC Milling Machines
- ✓ CNC Lathe Machines
- ✓ Bed Grinding Machine



Iron castings manufactured in our company are used in wide variety of industries i.e.

- ✓ Agricultural machinery (*plough blades, plowshares, tow hooks, wheel hubs, handle bars etc.*)
- ✓ Railway (*hub caps, track and turnout elements, track maintenance wheels, etc.*)
- ✓ Construction (*excavator teeth, slide rails, shafts etc.*)
- ✓ And others ...

Our new machine **Okuma VTR-350A** has a double column turning centre which provides large capacity machining, with high rigidity and thermal stability for close tolerance machining. Suitable for machining workpieces with a max. turning diameter of **Ø3500mm** and max. length of **1600mm**.



ODLEWNIA BIAŁYSTOK S.A. (Iron Foundry & Casting Plant) is an expert in manufacturing iron castings, specialising in planning, design, prototyping, tooling construction, machining and product finishing.

With superior quality standards, we manufacture castings that can be used in a variety of manufacturing industries.

Our goal is to provide the highest quality products with the greatest service possible and timely delivery.



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