

The logo for REM Foundry, featuring the letters 'REM' in a bold, white, sans-serif font on a red background.A large background image showing a foundry worker in a dark environment, surrounded by a shower of bright orange sparks from a molten metal process. The worker is wearing a hard hat and safety gear.

Casting Grey and Ductile Iron

REM Foundry is built on a 10.000 sqm surface and a further 7.000 sqm will be added in 2010. We manufacture castings made to customer specifications. We cast parts ranging from 1 tone up to 50+ tones, for industries like: wind mills, heavy machine tools, mining, energetic etc. At full capacity, we will be able to produce over 1200 tones of castings per month.

Quick Delivery Time

Located at the northwest Romanian border, in Negresti Oas, REM Foundry is 130 km away from M3 Nyiregyhaza Highway, assuring a quick delivery time anywhere in Europe.

Materials

Grey and Ductile Iron. We always have a 5.000 to. stock of raw materials.

Engineering

Years of our employees experience, supplemented by modern techniques such as full 3D CAD-modeling in Solid Works software, casting simulations and optimizations like methoding and planning prior to melting procesess in NovaCast software, ensure state-of-the-art castings.

Patterns

Our foundry technicians consult with our customers in order to ensure that the best pattern designs and gating systems for their castings are used.

Moulding, Melting and Casting

Only high quality scrap and alloys are used during the melting process. Melt samples are analyzed by optical spectrographs and other quantitative instruments.



The analysis of each melt is adjusted to the prescribed specifications. A final analysis immediately before pouring ensures the exact composition requirements for each casting. Finally, different ladle treatments are applied to obtain complex metallurgical reactions, a prerequisite for good metal quality and a solid base for the demanding properties of our wide range of materials.

All the machines we use come from top suppliers such as Inductotherm Europe and IMF Italy, are environment friendly and respect all the EU regulations.

- medium frequency induction furnace: maximum capacity - 28t
- medium frequency induction furnace: maximum capacity - 23t
- conveyor carrier for cores
- vibrating table for cores
- silos with a capacity of 550t
- continuous mixer for moulds with maximum capacity of 60t/h
- continuous mixer for cores with maximum capacity of 10t/h
- shakeout (11m x 4m x 5m), maximum capacity of 120t
- reclamation tower: capacity 15 - 20t
- shot blasting chamber (12m x 7m x 7m) with maximum capacity of 56t
- stress relieve furnace (11m x 3m x 3m) with maximum capacity of 56t
- 15, 20, 32, 40, 50 and 80t. bridgecranes and 23t. elcromagnetic crane.

Machining

There is a large machine shop in development, with CNC turning, boring and milling machinery. Quality inspection, along with personal service and flexibility, guaranties our customers a tailor-made product.

- Horizontal Boring Mill type AFP 180 CNC
- Plano Milling Machine type FLP 2200 CNC
- Vertical Lathe type SC53-CNC

Quality Assurance Department

Our quality assurance system is implemented by all our staff throughout production. All equipment and qualified personnel required to conduct traditional quality control inspections are available. We are able to perform the most common non-destructive tests.

Destructive tests to determine mechanical properties and other tests can be carried out in line with our customers' wishes.

- Specific laboratories: raw materials reception, fast spectrum analyzer, metallographic structure and mechanical testing.



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