

1. **Italian equipment in Russian. Interview with the President of Italian Association of Founders Francesco Savelli.**
2. **I.Dibrov. Participation of Russian delegation in the Forum of BRICSfoundrymen and in the62th National Congress of Indianfoundrymen**
3. **E.Gerasimenko, V.Belov, V.Guseva, A.Konovalov. The influence on the quality of casting mold of tin bronze ingots solidified in the field of ultrasonic waves.**

The influence on the quality of casting mold of tin bronze ingots solidified in the field of ultrasonic waves. The article presents the results of investigations of the influence of solidification conditions on the tin bronze eutectoidcomponentandporosity.

**Key words:** tin bronze, eutectoid, porosity, ultrasound graphite.

4. **V. Soshkin, M. Kumarin. Production technology and application of high-temperature refractory materials and products based on aluminosilicate fibers and inorganic binders.**

The article contains the original technology used by «Fibrous refractories» with the production of high temperature thermal insulation materials and products based on mullite fibers and an inorganic binder. There is the unique material «wet» felt: its properties, advantages, and examples of effective use. Actuality of applying formed parts for solving a wide range of problems in metallurgy is shown. The advantages of using exothermal and isothermal sleeves on steel casting are defined.

**Key words:** Fibrous refractories, wet felt, shaped refractories, insulating inserts, cover lining for stands of heating, furnaces covers, exothermal and isothermal sleeves.

5. **B. Kulakov, A. Chesnokov, V.Dubrovin, A. Karpinski. The influence of casting location on the parameters of mold filling during centrifugal casting.**

The influence of different layouts in the form of castings centrifugal casting with a central riser for speed in the various sections of metal, the pressure on the wall of the form and cross-sectional area runners. The most advantageous arrangement is perpendicular to the axis of rotation casting is equidistant from the axis.

**Key words:** centrifugalcastin.

6. **I.Leushin, A. Grachev, K. Maslov., L. Leushina, A. Romanov. Premises of recycling in casting technologies for gaz group's formation salt sludge.**

Efficient practice ways of recycling GAZ group's formation salt sludge in casting technologies are considered and analyzed in this article.

**Key words:** recycling, salt sludge, casting technologies, furnace, cast-iron, moulding sands, core sands, flux melting, refining, modification, filtration.

7. **V. Geintse, L. Ivanova, D. Skaryukin, M. Timofeev, V. Gusarov, V. Rozhkova. Complex forming material «Karbent» – warranty stabilization of structure and properties of sand and bentonite mixtures.**

Describes the benefits and application of multicomponent bentonite-carbon materials for the refreshment of the green one-time molding compounds to ensure the quality of the surface of cast iron.

**Key words:** molding mixes, stabilization of the composition and properties, the quality of iron castings, comprehensive bentonite-carbon forming composition, marriage decrease.

8. **YU.Golenkov.I. Melnikov. Experience of the most mass production of cast vehicle components – ventilated brake discs.**

The current trend of Russian automotive industry development is building of vehicle assembly plants. This enacts obligatory localization of vehicle components production, that in turn demands creation of new modern and competitive productions to implement strict requirements of global auto groups. One of the priorities is creation of new foundries for production of extremely demanded cast brake discs — that with

modern moulding and core-shooting equipment.

**Key words:** Cast vehicle components, innovations in foundry production, Seiatsu automated moulding lines.

9. **A. Korotchenko, N. Nikiforova, E. Demjanov, N. Larichev.** Influence of conditions of pouring on shaping of office properties of casting the "frame side."

Influence of a supply of a melt to casting on heat-up of a casting mould and heterogeneity of distribution of temperatures on casting sections is considered. The variant of a supply of a melt which diminishes probability of formation of shrinkable imperfections and hot cracks in casting at the expense of shaping of the uniform temperature field in horizontal sections of casting and a melt directional solidification from below — up is offered.

**Key words:** Casting mould filling-up, shrinkage cavities, directional solidification, porosity, hot cracks.

10. **R. Mysik, S. Brusnitsyn, A. Sulitsyn, I. Ozhgikhin, I. Gruzdeva.** The influence of technological parameters of melt preparation on the gas saturation process of liquid copper.

The article considers the technological features of oxygen-containing copper wire rod production by continuous casting and rolling method. It is shown that the gas defects caused on the surface of continuous cast bar influence the quality of copper rod. The content of hydrogen and oxygen in the cast samples taken from the molten copper along casting tract at different process parameters was determined. The basic sources of copper melt gasing and possible ways of their elimination was established.

**Key words:** copper, continuous casting, rolling, wire rod, «Contirod» method, melt gasing, gas defects.