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Foundry complex for the production of award and souvenir products with the development of artistic casting technologies

Master's thesis: 170 pages, 43 tables, 85 figures, 2 appendices, 34 references.

The object of the master's thesis is the foundry complex of the enterprise for the production of souvenir and reward products with the development of technologies of cast products.

The subject of the master's thesis is the development of the technological process of manufacturing castings, the establishment of production departments of the foundry complex and the introduction of additive technologies.

As a result of the master's thesis, a foundry complex for the production of prize-souvenir products was designed, technologies for the production of art products were developed by casting from models that are melted using gypsumcrystalite mixtures and three-dimensional modeling and prototyping technologies, calculations were made from the organizational and economic part, and the main measures of labor protection and safety in emergency situations with the provision of proper working conditions.

ART CASTING, JEWELRY PRODUCTS, INDUCTION FOUNDRY MACHINE, ADDITIVE TECHNOLOGIES, GYPSUM-CRYSTAL BALITE MOLDS, 3D MODELING.