

## ABSTRACT

Development of the technological process of manufacturing steel casting  
"Coupling" and design of the rod department of the foundry

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Diploma project consists of: 87 pages, 28 tables, 13 pictures, 24 reference sources.

The object of design is a small steel casting plant of the power engineering plant with a capacity of 5 thousand tons of suitable casting.

The purpose of the project is to develop the technological process of manufacturing steel casting "Coupling" and designing the core department of the foundry.

The core department of the small steel casting shop of serial type of production with the use of modern equipment and materials was designed, revealing the principles of labor productivity.

The technology of manufacturing steel casting "Coupling" with high yields of suitable castings, with mechanization and automation of processes.

For the manufacture of rods designed sandblasting machine, which provides the manufacture of different classes of complexity of the rods with high productivity of the process as a whole.

CORE COMPARTMENT, STEEL CASTING, PLASTIC MODEL KIT,  
CORE SHOOTING MACHINE