

ABSTRACT

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Topic: "Development of the technological process for manufacturing cast iron casting 'Flange' and organization of work in the bar department."

The diploma project consists of 136 pages, 60 tables, 10 figures, and 14 references.

The design object is the technological process of manufacturing a gray cast iron (Grade 20) casting "Flange" weighing 16.5 kg using one-time sand-clay molds.

The subject of the design is the technology of the foundry mold and the organization of work in the core production department of the foundry shop.

The design results include the development of the foundry mold technology for the specified casting, the implementation of technical planning for the core production department, and the calculation of the foundry equipment unit.

The obtained design results can be used for the creation, construction, and organization of a new core production department with a similar profile or for the modification and improvement of an existing department.

The application field includes small castings for engineering, tractor manufacturing, agricultural machinery, etc.

FLANGE, MODEL PLATE, ROD BOX, FOLDED FORM, ROD MACHINE,
DEPARTMENT PLANNING, TECHNICAL AND ECONOMIC INDICATORS