

ABSTRACT

The theme of the diploma project: “Development of the technological process of production of cast iron casting “Casing” and the organization of the core department of the foundry”.

Developer: Dmytro Hordiichuk.

The diploma project consists of 108 articles, 45 chart, 28 references, 8 pictures.

The project envisages a core department of the foundry with a capacity of 30000 tons/year with an annual program of production of castings of 2625476 from high-strength and grey cast iron of BS 500-2 and BS-30, the range of castings includes 12 items weighing from 8 kg 34 kg.

Development of the technological process of making the casting “Casing” from high-strength cast iron brand BS 500-2 (DSTU3925-99), weight 15 kg.

The results of the design – the technology of casting production was developed and the technical planning of the view department and equipment was performed.

The diploma project also contains calculations of organizational and environmental factors, as well as attention to the section on labor protection and improvement of sanitary and hygiene and technical conditions of the workplace.

When designing a department, it is mandatory to ensure its high technical level and economic efficiency, to make the most of all the achievements of science and technology. When designing you need to focus on recommendations and rules for construction, use current (relevant) and guiding regulation on foundry production.

CASING, TECHNICAL AND ECONOMIC INDICATION, CORE DEPARTMENT OF THE FOUNDRY SHOP, ASSEMBLY DRAWINGS, CORE BOX, MODEL PLATES.