

Mechanical design and electrical equipment for a thermal furnace system

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Abstract: This topic aims to research and design mechanical components and electrical systems for a furnace system, meeting advanced technological requirements. The practical context raises the need to improve the performance of existing furnaces through optimizing mechanical structures and upgrading electrical equipment systems. Through a combination of theoretical research and experimentation, the goal is to build a safe, high-productivity, and energy-efficient furnace system. The expected results of this topic not only contribute to improving production efficiency but also play an important role in the development of furnace technology in Vietnam.

Keywords: Heat furnace system, Mechanical engineering, Electrical equipment, Advanced technology, Energy efficiency