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THE ROLE OF FOREIGN LANGUAGE STUDY IN THE PREPARATION OF LIGHT INDUSTRY ENGINEERS

In the modern world, the light industry is one of the most important and rapidly growing sectors of the economy. The development of this industry requires highly qualified engineers who would have deep knowledge in the field of equipment design for the industry.

In many countries, there are specialized educational programs that prepare engineers for this particular professional specialization. These programs typically include a wide range of disciplines such as mechanics, electronics, production automation, programming, and materials science.

Many universities specialize in training professionals for the light industry. These educational institutions [1] often collaborate with manufacturing enterprises [2], allowing students to gain practical experience in real production conditions and learn about modern technologies and processes applied in production facilities.

Mechanical engineers specializing in sewing machine design should have a wide range of skills and competencies, namely:

- development of new machine concepts: engineers should be able to develop new concepts and ideas to improve the functionality, efficiency, and quality of sewing machines;

- use of CAD/CAM software: knowledge of computer-aided design (CAD) is necessary for creating virtual prototypes of sewing machines, as well as computer programming of production processes (CAM);

- understanding of mechanics and materials science principles: engineers must have deep knowledge in the field of mechanics and materials science to develop machines with optimal strength, efficiency, and durability;

- electronics and automation: with the development of modern technologies, understanding electronics and automation of production processes is important for optimizing the operation of sewing machines and implementing advanced functions;

- communication skills and teamwork: engineers must be able to communicate and collaborate with other professionals such as electronics experts, programmers, designers, and marketers for successful development and implementation of new products.

The last point - communication skills - in the modern world is qualitatively impossible without knowledge of foreign languages. These skills are an essential element of a successful career for mechanical engineers in any field, including sewing machine design. The role of learning a foreign language in the preparation of professionals in this field cannot be under-estimated for the following reasons:

- Access to international resources: many innovations and advanced technologies in the field of equipment design for the industry are first presented in English-language sources. Knowledge of English opens access to international scientific articles, journals, webinars, and conferences, allowing engineers to learn from examples of the latest achievements and best practices worldwide.

- International exchange of knowledge and experience: the development of the light industry in the modern world has become possible thanks to international cooperation and exchange of experience. Knowledge of a foreign language helps engineers communicate with colleagues from different countries, exchange ideas,

and problem-solving solutions, contributing to the creation of more efficient and innovative products.

- International standards and regulations: numerous international standards in the field of light industry are formulated in English. Knowledge of the language allows engineers to understand and use these standards in their work, contributing to the implementation of best practices and ensuring product quality.

- International communication and business: in the light industry, many manufacturing enterprises and clients are international companies that collaborate on a global level. Knowledge of a foreign language helps engineers effectively communicate with clients, colleagues, and partners from different countries, opening up new opportunities for business development and cooperation.

Therefore, the preparation of mechanical engineers in the field of sewing machine design requires a comprehensive approach and consideration of a wide range of competencies. Modern technologies and teaching methods allow for the training of highly qualified professionals who are capable of implementing innovations and improving the quality and efficiency of sewing machines, contributing to the further development of the textile industry. At the same time, learning foreign languages is an important component of the preparation of mechanical engineers in the field of equipment design, enabling them to work successfully in the conditions of the global market and implement advanced technologies and innovations for the further development of the industry.

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