

**ENGINEERING AND ITS VALUE FOR
THE ECONOMY OF THE REPUBLIC OF BELARUS**

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Mechanical engineering provides all the necessary equipment and machines for a number of industries. It is believed to be at the heart of the performance of industrial processes and transformations of our productive systems. This field is very broad and includes many different specialties in areas like electronics, agriculture, metalworking, automobile industry, etc. [1]. Mechanical engineering is considered to be the backbone of the country economy, being an indicator of general economic health. It plays a vital role in the development of a country's economy as well as in improving the quality of life for people. The mechanical engineering sector is very diverse and includes a wide range of companies from general and specialized mechanical engineering, robotics, to suppliers and component manufacturers.

Mechanical engineering is one of the most important economic sectors in the Republic of Belarus and plays a crucial role in the Belarusian economy. Belarus is a producer and exporter of machinery. Machinery created in Belarus operates on all continents of the planet Earth. Examples of the development of mechanical engineering are:

- 1) BELAZ, as the leading manufacturer which produces mining dump trucks along with transport equipment for mining and construction. The Belarusian mining dump trucks are famous throughout the world for their reliability under the most severe conditions;
- 2) Mogilevliftmash, known for the production of passenger, freight, hospital elevators, as well as escalators;
- 3) Minsk Tractor Works, famous for its tractors and special-purpose machinery being exported to more than one hundred countries;

4) Minsk Automobile Plant (MAZ), known for producing a wide range of vehicles (trucks, dump trucks, special purpose vehicles, etc.);

5) Gomselmash, one of the leading companies in production of combine harvesters and other agricultural machinery;

6) Integral, the company specializing in making electronic items alongside integrated circuits, medical products and electronic watches;

7) ATLANT, known for manufacturing such household appliances as refrigerators, freezers, washing machines, etc., that exported to the CIS countries, many European countries and even Australia [2].

Belstat, the National Statistical Committee, the republican government body in the field of state statistics, notes the following: “Mechanical engineering is the mainstay and driving force of the country's economy. The contribution to the country's GDP in January-June 2024 amounted to 5.4%”.

The economic development of the country is aided by mechanical engineering, which is an important branch of industrial development. It is the backbone of the entire industrial complex, and it is a gauge of the level of scientific and technological progress.

According to Belstat, more than 15% of the total industrial production in the country is provided by 243 large and medium-sized machine-building organizations. In 2021, the industry employed 189.4 thousand people, 4.4% of all involved in the economy of Belarus.

More than 20% of the country's production volume is generated by mechanical engineering [3]. Focusing on the foreign market, this is the indisputable engine of growth and development of economic relations outside Belarus.

References

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3. Машиностроение // Официальный интернет-портал Президента Республики Беларусь. – URL: <https://president.gov.by/ru/belarus/economics/osnovnye-otrasli/promyshlennost/mashinostroenie> (дата обращения: 19.03.2025).