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## ANALYSIS AND DEVELOPMENT PROSPECTS OF THE WORLD MACHINERY

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This article is devoted to the analysis of current trends in the world machine-building market and forecasting the development of the world machine-building market, taking into account the distribution of market shares of the largest manufacturers of world machine-building products.

**Keywords:** world machine-building market; machinery growth rates; the largest manufacturers of world machine-building products.

## АНАЛИЗ И ПЕРСПЕКТИВЫ РАЗВИТИЯ МИРОВОГО МАШИНОСТРОЕНИЯ

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Данная статья посвящена анализу современных тенденций рынка мирового машиностроения и прогнозированию его развития с учетом распределения рыночных долей крупнейших производителей мировой машиностроительной продукции. В статье также приводится описание влияния глобальных потребительских тенденций на мировой машиностроительный рынок.

**Ключевые слова:** мировой машиностроительный рынок; темпы роста машиностроения; крупнейшие производители мировой машиностроительной продукции.

The world machinery market has been rapidly increasing its' production volumes for five years from 2015–2019. Since 2015, the total output of machine-building products has grown, on average, by 12.5 % and amounted to more than \$ 95 billion per year. Nevertheless, in 2019, compared to 2018, the growth rate of machinery output decreased by 1.33 %. The increase in the production of machine-building products indicates the prospects and importance of the development of the machine-building complex of the Republic of Belarus, since the world machine-building market belongs to the category of growing markets (figure 1).

Analysis of statistical indicators of the production of machine-building products suggests that nearly 30 % market share of machinery is China, in the second place, the United States, which accounts for between 12–14 % of world production of engineering products, in third place – Japan (10 %), the fourth – Germany with the value from 5–7 % of the world market engineering; fifth in production volume is occupied by India (5 %); sixth divide between South Korea and Mexico, which produce 4–5 % of the world machinery products (figure 2).

In 2017, there is a strengthening trend of increasing machinery production by such countries as China, which already occupies 30.7 % of the global machine-building market, Japan-8.2 %, while most European countries reduce their production volumes, on average by

1–2 % over the past 5 years, and, consequently, lose their competitive positions in the global machine-building market, and, as a result, reduce the economic growth and well-being of their countries and nations (figure 2).

The UN has projected population growth to reach 8.3 billion people by 2030, to 9.7–10.0 billion people by 2050, and to 11.2 billion people by 2100 (growth is exclusively due to developing countries – their share in the world population is growing due to the decline in the share of developed countries, which was: in 1950 – 32.2 %, in 2010 – 17.5 %, in 2050 – 13.6 %), increased consumption of agricultural products per capita, and changes in diet (the «meat and dairy revolution» in rapidly developing countries, leading to the consumption of more livestock products) are the main factors of the expected changes in food markets. It is assumed that by 2050, world GDP will increase by 2.5 times, and per capita income – by 1.8 times.

According to the UN forecasts, in 2020 and 2025, there will be a trend of intensive growth in the production of engineering products in all major countries and regions of the world. Thus, in China in 2025, the annual production of mechanical engineering products will amount to \$ 410.1 billion per year, in Russia – \$ 208.8 billion, and in the EU – \$ 204.7 billion per year. Consequently, the rapid growth of the Russian machine-building industry will allow it to rapidly surpass the countries of the EU, the USA, Japan, India and Brazil, which, ultimately, will lead to economic growth of the Russian economy. (figure 3).

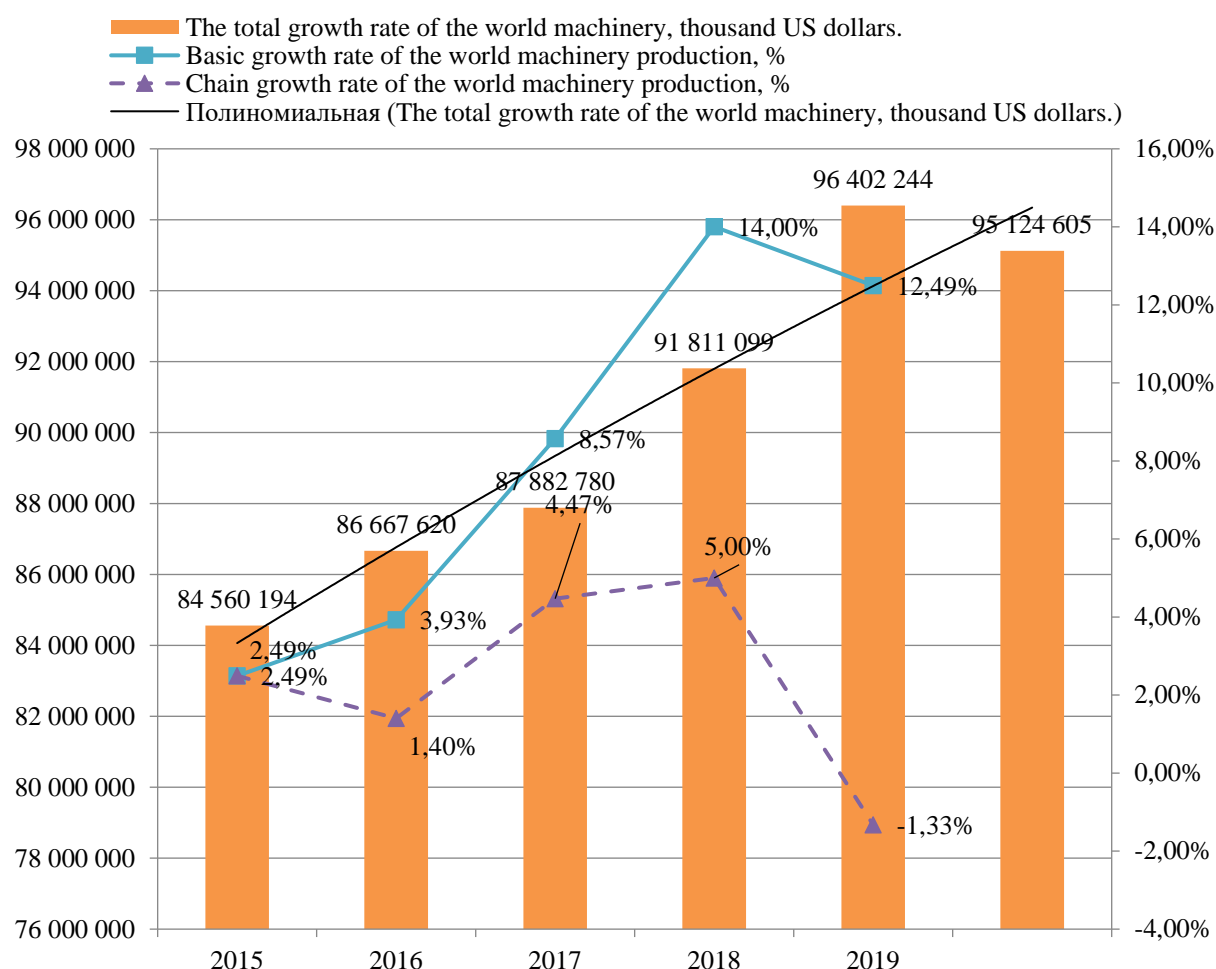


Figure 1 – Dynamics of global production of mechanical engineering products from 2015–2019

Note – Self-development of the author [2, 3].

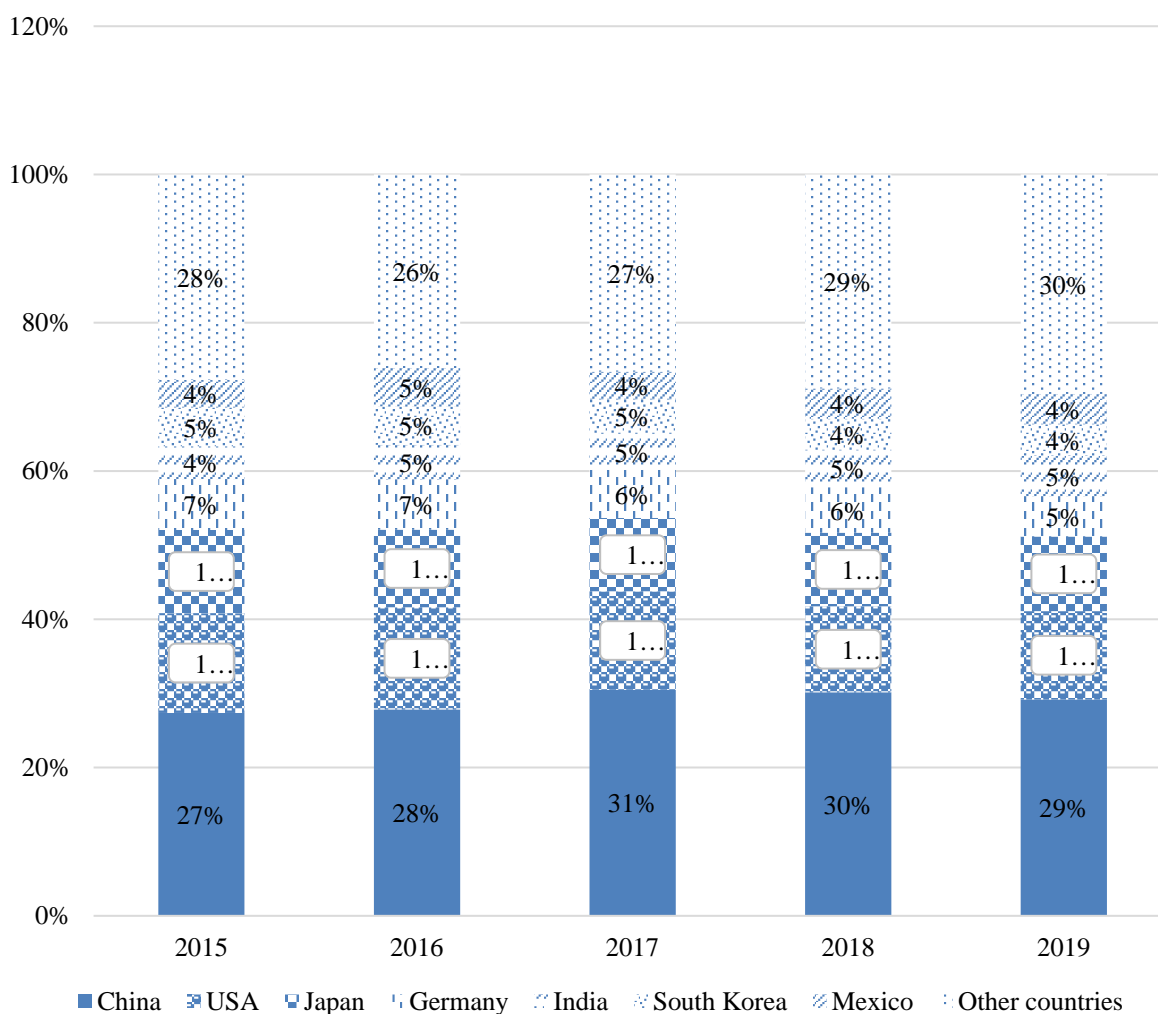


Figure 2 – The Dynamics of the world's machinery leaders global engineering in 2015–2019

Note – Self-development of the author [2, 3].

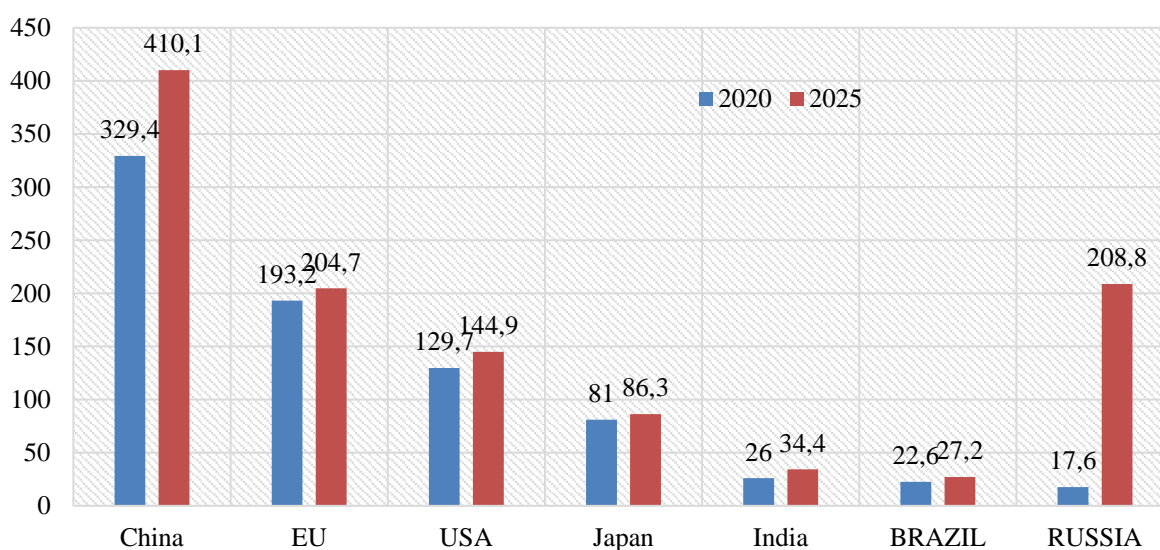


Figure 3 – The forecast of machinery production of the largest producers of machine-building production in 2020 and 2025 in billion

Note – Self-development of the author [1].

Thus, the world machinery market is one of the fastest and most dynamically developing in the modern world. On the basis of the forecast of development market of the world's largest machinery manufacturers of machinery products in the world will be China, Russia, EU, USA and Japan.

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### THE UPGRADING OF CHINA-ASEAN FREE TRADE AREA AND THE OPTIMIZATION OF GUANGXI'S STRATEGY OF ATTRACTING FOREIGN DIRECT INVESTMENT

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The articler analyzes the situation of China's FDI from ASEAN in the past five years, and holds that Guangxi, as a province close to ASEAN in China, should seize the opportunity, optimize the strategy of attracting FDI, expand the scale of FDI from ASEAN, and improve the quality of FDI, so as to help the cooperation and development between China and ASEAN. On the basis of this analysis, this paper looks forward to the optimization strategy of Guangxi's FDI absorption from ASEAN in the next 10 years.

**Keywords:** FDI; the ACFTA Upgrading Protocol; Regional Economic Integration; Economic Co-operation.

### РАЗВИТИЕ ЗОНЫ СВОБОДНОЙ ТОРГОВЛИ МЕЖДУ АСЕАН И КИТАЕМ НА ОСНОВЕ ОПТИМИЗАЦИИ СТРАТЕГИИ ПРИВЛЕЧЕНИЯ ПИИ (НА ПРИМЕРЕ ПРОВИНЦИИ ГУАНСИ)

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