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CONTACTS

Phone: **+998 50 737 87 88**

Website: <https://ist-journal.uz>

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STATE SUPPORT MECHANISMS FOR THE DEVELOPMENT OF THE MACHINE-BUILDING INDUSTRY



Xursandov Komiljon Makhmatkulovich

Tashkent State University of Economics

Candidate of Economic Sciences, Acting Associate Professor, PhD

E-mail: kamiljonXursandov1987@gmail.com

Abstract: This article examines the role and importance of state support mechanisms in the development of the mechanical engineering industry. Particular attention is paid to tax and customs incentives, subsidies, public investments, credit systems, financing of innovative projects, and localization policies. In addition, the study analyzes issues related to attracting foreign investment, enhancing competitiveness, and expanding export potential. The research findings indicate that government support constitutes a key strategic factor in ensuring the sustainable development of the mechanical engineering sector.

Key words: Mechanical engineering industry, government support, industrial policy, investments, subsidies, tax incentives, innovation, localization.

Annotatsiya: Mazkur maqolada mashinasozlik sanoati tarmog'ini rivojlantirishda davlat tomonidan qo'llab-quvvatlash mexanizmlarining o'rni va ahamiyati tahlil qilinadi. Xususan, soliq va bojxona imtiyozlari, subsidiyalar, davlat investitsiyalari, kreditlash tizimi, innovatsion loyihalarni moliyalashtirish hamda mahalliyashtirish siyosatining sanoat rivojiga ta'siri yoritilgan. Shuningdek, xorijiy investitsiyalarni jalb etish, raqobatbardoshlikni oshirish va eksport salohiyatini kengaytirish masalalari ko'rib chiqilgan. Tadqiqot natijalari mashinasozlik tarmog'ini barqaror rivojlantirishda davlat siyosati muhim strategik omil ekanligini ko'rsatadi.

Kalit so'zlar: Mashinasozlik sanoati, davlat qo'llab-quvvatlashi, sanoat siyosati, investitsiyalar, subsidiyalar, soliq imtiyozlari, innovatsiya, mahalliyashtirish.

Аннотация: В данной статье анализируется роль и значение механизмов государственной поддержки в развитии отрасли машиностроения. Особое внимание уделяется налоговым и таможенным льготам, субсидиям, государственным инвестициям, системе кредитования, финансированию инновационных проектов, а также политике локализации. Кроме того, рассматриваются вопросы привлечения иностранных инвестиций, повышения конкурентоспособности и расширения экспортного потенциала. Результаты исследования показывают, что государственная поддержка является ключевым стратегическим фактором устойчивого развития машиностроительной отрасли.

Ключевые слова: Машиностроение, государственная поддержка, промышленная политика, инвестиции, субсидии, налоговые льготы, инновации, локализация.

INTRODUCTION

The development of the machine-building industry is currently one of the most pressing issues of state policy in our country. As one of the key backbone sectors of the national economy, the machine-building industry plays an important role in ensuring economic stability. The number of plants, enterprises, and organizations operating in this sector has been increasing year by year in our country. At the initiative of the President, consistent reforms are being implemented to develop the machine-building industry. Within the framework of these reforms, numerous innovative projects aimed at developing the machine-building sector and advancing it to a new stage are being put into practice.

Turning to international experience, it can be observed that in developed countries the machine-building industry has been steadily and sustainably advancing to new stages of development. This progress is driven by the allocation of large-scale green investments to support the development of the machine-building industry, the wide implementation of new projects and programs, the creation of modern innovative technologies, the training of highly intellectually capable specialists, the establishment of environmentally safe transport systems, the efficient use of renewable energy sources, and the introduction of green logistics services. These factors collectively ensure the sustainable development of the machine-building industry.

In our country as well, a strategy extending until 2030 has been developed with the aim of advancing the machine-building industry. This strategy outlines key priorities such as attracting large-scale green investments from international investors to develop machine-building enterprises, widely implementing new projects and programs applied in the experience of developed countries, creating and introducing modern innovative technologies into production based on regional potential and enterprise capabilities, training highly qualified specialists with strong intellectual capacity in the field of machine-building, developing environmentally safe transport systems, efficiently utilizing renewable energy sources, and introducing green logistics services.

LITERATURE REVIEW

The machine-building industry is one of the strategic and backbone sectors of the national economy, and its sustainable development largely depends on the industrial policy and support mechanisms implemented by the state. In the scientific literature, the active participation of the state in the development of the machine-building industry is recognized as a key factor in accelerating economic growth, ensuring technological modernization, and expanding export potential [4], [5]. International academic studies extensively examine the theoretical foundations of industrial policy. According to the approaches developed by D. Rodrik, under modern conditions the state should not rely solely on market mechanisms in industrial development but should pursue an active industrial policy. In particular, in high value-added sectors such as machine-building, state subsidies, tax incentives, and institutional support play a crucial role [4].

Reports prepared by the United Nations Industrial Development Organization emphasize that the machine-building and engineering industries are among the main drivers of sustainable industrialization, highlighting the necessity of enhancing competitiveness in industrial sectors through innovation incentives, public investment, and localization policies [5]. The works of domestic scholars also widely address issues related to the development of the machine-building industry. In particular, Abduqodirov and Tursunov substantiate the role of the machine-building sector within industrial economics, its structural composition, and the effectiveness of state support mechanisms, noting that tax and customs incentives, credit systems, and improvements in the investment climate have a positive impact on industrial development [3].

In the context of the Republic of Uzbekistan, the development of the machine-building industry is considered one of the priority directions of state policy. Presidential decrees and resolutions place special emphasis on the modernization of industrial sectors, enhancement of competitiveness, and expansion of high-technology production, while also defining the institutional foundations for supporting machine-building industry entities [1], [2]. Strategic documents adopted in recent years, including the “Uzbekistan–2030” Strategy, outline specific objectives for transforming the machine-building industry, attracting green investments, introducing innovative technologies, and increasing the level of localization. In these processes, public investment and international cooperation play a significant role [6].

Furthermore, the scientific literature assesses the attraction of foreign investment in the machine-building industry as an important factor in increasing competitiveness and expanding export potential. International experience demonstrates that in countries with a state-guaranteed investment environment and a clearly defined industrial strategy, the machine-building sector develops at a rapid pace [5], [7]. Overall, the literature review indicates that state support mechanisms are of critical strategic importance in the development of the machine-building industry, and their effective implementation contributes to ensuring sustainable and long-term industrial growth. This article is aimed at providing a deeper analysis of these theoretical and practical approaches within the context of Uzbekistan.

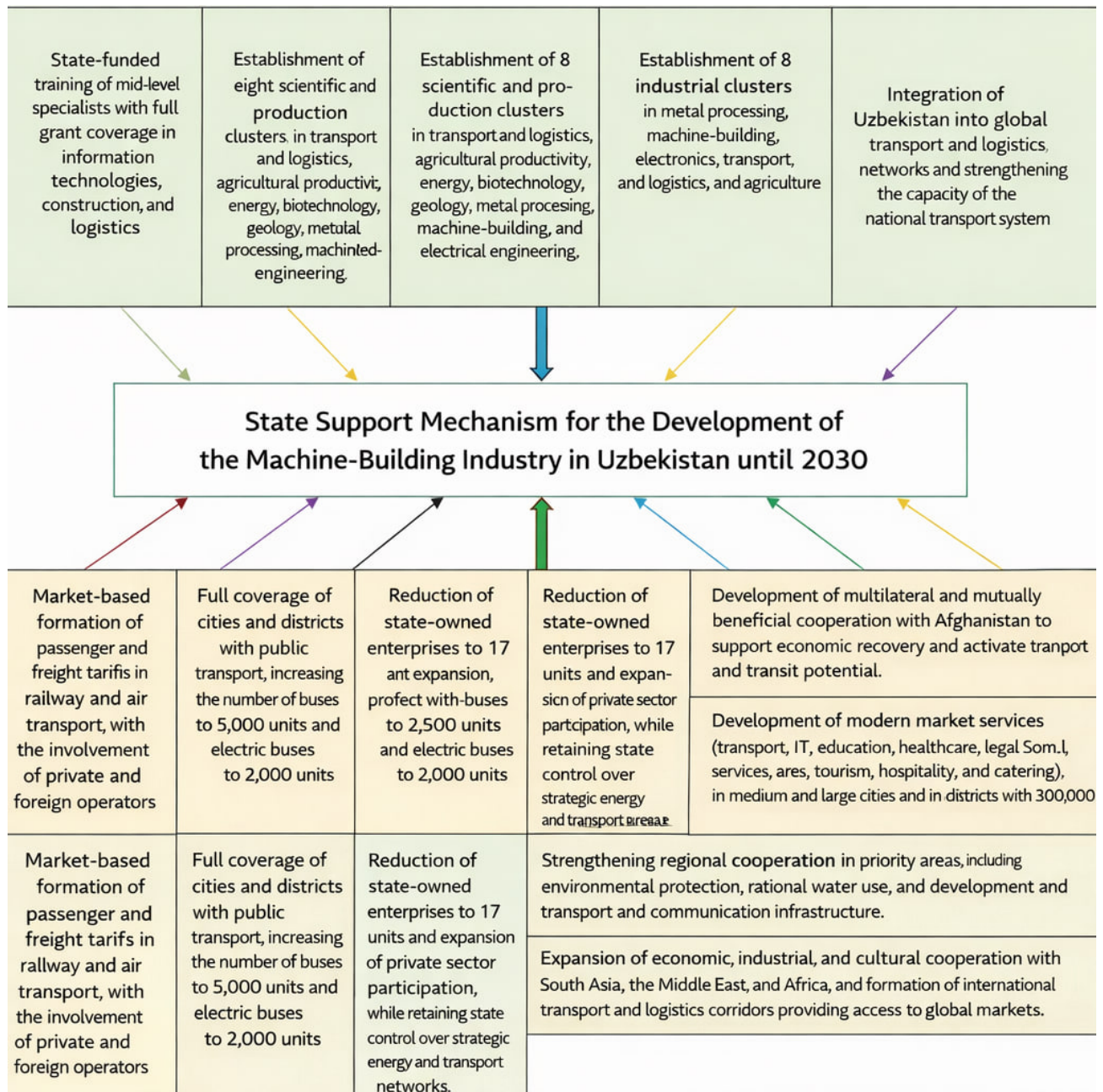
RESEARCH METHODOLOGY

This study is aimed at assessing the role and effectiveness of state support mechanisms in the development of the machine-building industry. The research employs an analysis of scientific literature and regulatory legal documents, as well as systematic and logical approaches, comparative analysis, economic and statistical analysis, and the methods of induction and deduction. Official statistical data on key indicators of the machine-building industry were examined, and the impact of state support measures on industrial development was evaluated. Based on the research findings, scientific conclusions and practical recommendations were formulated.

ANALYSIS AND RESULTS

At a meeting chaired by the Honorable President on the issues of transforming the machine-building sector and developing competition within the industry, a number of key points were outlined. The machine-building sector is one of the leading areas of the national economy, accounting for 11 percent of industrial output. At the same time, according to estimates, there is significant potential to increase production in this sector severalfold. Currently, a number of companies have expressed interest in establishing production facilities and bringing investments into Uzbekistan. In this regard, the need to invest in industrial-scale automobile assembly, including the production of 50–60 thousand affordable vehicles and electric cars per year, was emphasized.

In the current year, a body parts manufacturing enterprise will be launched in Khorezm region, four localization projects will be implemented in Andijan region, and two projects in Navoi region. Within the framework of the cooperation platform, the localization of an additional 80 components will be ensured with the participation of 122 private enterprises. A comprehensive program to reform all state-owned enterprises is being implemented nationwide. In this context, instructions were given to establish a transformation office for “Uzavtosanoat” with the involvement of foreign specialists, and it was emphasized that by July 1 the transformation of 40 enterprises within the sector should be initiated.



In addition, in order to develop the machine-building industry and ensure the implementation of the objectives set out in the strategy adopted until 2030, the Resolution of the President of the Republic of Uzbekistan No. PQ-300 dated September 11, 2023, titled “On Measures to Ensure the High-Quality and Timely Implementation of the ‘Uzbekistan–2030’ Strategy in 2023,” was adopted. Within the framework of this resolution, a number of measures were implemented. In particular, action plans were developed to establish scientific and production clusters in the fields of metal processing, machine-building and electronics, transport and logistics, and agricultural productivity, as well as to create eight clusters in the relevant sectors. Furthermore, efforts were undertaken to expand the production of high-quality natural and artificial leather products used in sports, furniture, machine-building, and other industries.

Alongside sectoral enterprises, a series of reforms were also put into practice aimed at identifying high-potential products within the industry, selecting and mastering appropriate production technologies, and organizing engineering, design, and project activities, thereby enabling the launch of new product manufacturing.

CONCLUSION AND RECOMMENDATIONS

The findings of this study indicate that state support mechanisms play a decisive strategic role in the development of the machine-building industry. Tax and customs incentives, public investments, subsidies, credit systems, and the financing of innovative projects contribute to enhancing the production capacity of industrial entities, accelerating technological modernization, and strengthening competitiveness.

The analysis shows that the reforms being implemented and the strategic documents adopted to develop the machine-building industry in Uzbekistan provide a solid institutional foundation for industrial transformation, increasing the level of localization, and expanding the production of high value-added goods. In particular, the measures implemented within the framework of the “Uzbekistan–2030” Strategy—such as attracting green investments, introducing innovative technologies, and developing cluster and cooperation systems—serve to ensure the sustainable growth of the machine-building sector. In addition, the research results demonstrate that attracting foreign investment and expanding public–private partnership mechanisms are important factors in increasing the export potential of the industry. International experience and the recommendations of international organizations confirm that in countries pursuing a clear and consistent industrial policy, the machine-building sector develops rapidly and becomes a key driver of the national economy.

Overall, the study highlights the need to further improve state support mechanisms for the machine-building industry, enhance their effectiveness, and align them with long-term strategic objectives. These conclusions have significant scientific and practical value for ensuring the sustainable development of the machine-building sector and strengthening its role within the national economy.

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