

Growth in Construction & Landscaping Drives Small Gas Engines Market Expansion to 2030

□ *Global Small Gas Engines Industry Set to Hit \$4.0 Billion by 2030 Amid Rising Demand for Outdoor Power Equipment*

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The global [Small Gas Engine Market](#) is forecasted to grow from \$2.7 billion in 2020 to \$4.0 billion by 2030, exhibiting a steady CAGR of 4.2% from 2021 to 2030, according to a recent report by Allied Market Research.



Small gas engines are low-powered internal combustion engines that include essential systems such as fuel, exhaust, ignition, combustion, cooling, and lubrication. These engines are widely used in portable power tools like lawnmowers, portable generator, concrete mixers, vibrators, tillers, trimmers, and edgers. Their versatility makes them essential for applications in the gardening, industrial, construction, and automotive sectors.

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Small gas engines market to hit \$4.0B by 2030, driven by growing use in construction, agriculture, and outdoor power equipment.”

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The small gas engines market is experiencing steady growth due to increasing demand for portable and compact power systems across residential, commercial, and industrial applications. These engines are widely used in lawnmowers, [generators](#), pressure washers, tillers, and construction equipment, providing reliable power for outdoor and backup operations.

Rising infrastructure development and expanding landscaping activities globally are driving market growth. The surge in construction projects, coupled with the need for efficient power

equipment in remote or off-grid areas, has further boosted the adoption of small gas engines.

Additionally, advancements in engine technology, including improved fuel efficiency and lower emissions, are strengthening market prospects. Manufacturers are focusing on hybrid and cleaner gas engine designs to comply with stringent environmental regulations and meet sustainability targets.

North America remains a dominant market due to widespread usage in gardening and maintenance equipment, while Asia-Pacific is expected to witness the fastest growth, driven by rapid industrialization and agricultural modernization.

By Region:

North America accounted for the largest market share in 2020, driven by high industrial activity, significant construction investments, and established infrastructure.

The market is also studied across Europe, Asia-Pacific, and LAMEA, with the Asia-Pacific region expected to experience rapid growth due to fast urbanization and industrial development in countries like China and India.

□ Key Market Growth Drivers

Several factors are fueling the robust growth of the Small Gas Engine Market:

Rapid Industrialization and Urbanization: The surge of people migrating from rural to urban areas is driving the construction of residential and commercial buildings. In the U.S., public project construction spending rose by 1.3%, boosting demand for power tools driven by small gas engines.

Infrastructure Investment in Emerging Economies: According to the India Brand Equity Foundation (IBEF), India requires an investment of \$777.73 billion in infrastructure by 2022, attracting foreign investors and creating new opportunities for the small gas engine market.

Affordable Maintenance and Low Product Costs: Small gas engines require nominal maintenance costs and offer reduced product costs, making them appealing for frequent rental and purchase by homeowners and contractors.

Strategic Acquisitions and Partnerships: Leading companies such as Yamaha Motors acquiring Subaru Industrial Power Products are expanding their outdoor power segments, further enhancing market growth.

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□□ Market Challenges

Despite promising growth, the small gas engine market faces certain challenges:

Uncertain Fossil Fuel Prices: Volatility in global crude oil prices affects production costs and market stability.

Government Regulations: Stringent environmental regulations demand additional investments from manufacturers to comply with emission and safety standards.

Environmental Awareness: Growing consumer awareness of the environmental impact of fossil-fuel-based products may limit market adoption, promoting a shift toward alternative energy solutions.

□ Market Segmentation Insights

By Engine Displacement:

The 101-450cc segment accounted for the largest share of the small gas engine market in 2020, due to its ideal balance of power and efficiency for a broad range of applications.

By Equipment Type:

The lawnmower segment led the market share in 2020, reflecting strong demand from residential and commercial landscaping projects.

By Application:

The gardening segment dominated in 2020, driven by increasing demand from homeowners and commercial entities seeking efficient outdoor power solutions.

□ Key Industry Players

The report profiles key companies driving the Small Gas Engine Market:

Briggs and Stratton Corporation

Champion Power Equipment

Kohler Co.

Liquid Combustion Technology

Kipor Power

Kawasaki Heavy Industries

Honda Motor Co., Ltd

Fuji Heavy Industries

Yamaha Motor Corporation

Kubota Corporation

These players are actively investing in R&D, expanding production capacities, and engaging in partnerships to develop innovative products and capture a larger market share.

□ Impact of COVID-19

The COVID-19 pandemic had a temporary but negative impact on the small gas engine market:

Disruptions in global supply chains and raw material shortages forced many manufacturers to halt operations.

Declines in industrial activities and construction projects during lockdown periods significantly reduced the demand for small gas engines.

Price volatility of crude oil and refined petroleum products led to cost challenges in production.

The global downturn in energy consumption further restricted demand for new gas engines.

However, supportive government policies and a gradual economic recovery are expected to drive market growth in the coming years, especially as the demand for outdoor power tools and industrial equipment rises once again.

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□ Future Outlook

The outlook for the Small Gas Engine Market remains strong as urbanization continues and infrastructure investments rise globally. As manufacturers innovate and improve product efficiency while responding to environmental regulations, small gas engines are set to remain a vital component in [outdoor power equipment](#) and industrial applications.

The combination of cost-effectiveness, growing industrial applications, and strategic industry expansions will continue to propel the market toward its projected \$4 billion valuation by 2030.

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