

# Brushless DC Motor Market to Expand at 8.1% CAGR, Reaching \$72.24 Billion by 2030

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WILMINGTON, DE, UNITED STATES, August 28, 2025 /EINPresswire.com/ -- Allied Market Research recently published a report, titled, "[Brushless DC Motors Market](#) by Rotor type (Inner Rotor, Outer Rotor), by Power range (0-750 W, 751 W- 3 KW, More Than 3 KW), by Speed (Less Than 500 RPM, 501 To 2000 RPM, 2001 To 10,000 RPM, More Than 10,000 RPM), by End user (Industrial Machinery, Automotive, Healthcare, HVAC Industry, Power tools, Others): Global Opportunity Analysis and Industry Forecast, 2020-2030". As per the report, the global brushless DC motor industry garnered \$33.15 billion in 2020, and is anticipated to hit \$72.24 billion by 2030, growing at a CAGR of 8.1% from 2021 to 2030.

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## Drivers, restraints, and opportunities

The growth of the global brushless DC motors market is driven by adoption of brushless DC motors in various applications, benefits of brushless DC motors over brushed DC motors, and high use of brushless DC motors as servomotors. However, decline in automobile manufacturing and high initial cost of investment & complexity hamper the market growth. On the contrary, the shift of the global automobile industry toward electric vehicles is expected to open lucrative opportunities in the future.

## The blowing agent segment dominated the market

Based on end user, the healthcare segment is anticipated to register the highest CAGR of 10.9% from 2021 to 2030, owing to applications of brushless DC motor in respiratory and ventilation devices. However, the automotive segment dominated with the lion's share in 2020, contributing to nearly one-third of the global brushless DC motors market, as these motors provide great output torque, and are used to adjust seats in automobiles.

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The inner rotor segment held the highest market share

Based on rotor type, the outer rotor segment would register the fastest CAGR of 9.2% during the forecast period, as they are widely used in hard disk drive motors and spindle motors. However, the inner rotor garnered the largest share in 2020, accounting for more than two-thirds of the global brushless DC motors market, as it offers fast speed and acceleration as well as compact and high torque.

Asia-Pacific to lead with the largest share

Based on region, the Asia-Pacific region accounted for the highest share, holding more than two-fifths of the global brushless DC motors market. Furthermore, the same region is registered to portray the highest CAGR of 9.1% during the forecast period, attributed to rise in infrastructure spending for development of metros, airports, commercial establishments, and healthcare & hospitality supplements.

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Major market players

Faulhaber Group  
Allied Motion Technologies Inc.  
Arc Systems Inc.  
AMETEK Inc.  
Johnson Electric Holdings Limited  
Nidec Corporation  
MinebeaMitsumi Inc.  
Buhler Motor GmbH  
Maxon motors AG  
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