

# Transformer Core Market: Expanding Power Infrastructure

*Transformer Core Market projected to reach \$13.5 billion by 2030*

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According to a new report published by Allied Market Research, The global [transformer core market](#) size was valued at \$8.9 billion in 2020, and global transformer core market forecast projected to reach \$13.5 billion by 2030, with global market forecast expected at a CAGR of 4.3% from 2021 to 2030.



A transformer core is a type of magnetic core used in transformers to increase or decrease the voltage of electrical energy. It is typically made of ferromagnetic materials, such as iron or steel, which have high magnetic permeability, allowing them to efficiently conduct magnetic fields.



Increasing demand of energy across the world, expansion of power grids, and rising demand of transformers are the major driving factors for the Global Transformer Core Market.”

*Allied Market Research*

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Asia-Pacific is projected to register significant growth as compared to the saturated markets of North America and Europe. The amount of transformer cores used in distribution transformers is expected to decline, owing to

increase in expansion of power grids and power generation projects, thus fueling the total number of power transformers.

The key players operating and profiled in the [transformer core industry report](#) include Arteche, Corefficient S.R.L., Eilor Magnetic Cores, Foshan Juli Electromechanical Co., Ltd., KRYFS, Megger, Metglas, Inc., Nicore Magnetic Cores, Power Core Industries, and VilasTranscore Ltd.

Transformers are commonly used in power distribution systems to increase or decrease voltage levels, and the design of the transformer core is critical in determining its efficiency and effectiveness. Proper design and material selection can help reduce energy losses due to heat, improve performance, and increase the lifespan of the transformer.

The core is usually in the form of a stack of laminated sheets or "cores", which are insulated from each other to reduce eddy currents and energy losses due to hysteresis. These cores are designed to provide a low reluctance path for the magnetic flux generated by the transformer's primary winding, which induces an electromotive force (EMF) in the secondary winding.

Increase in demand for electricity production across the globe and rise in integration of renewable sources of energy to produce electricity drive the market growth.

Factors such as rapid fluctuations in raw material prices and change in regulatory environment are expected to hinder the market growth.

On the basis of core, the closed segment emerged as the global leader in 2020 and is anticipated to be the largest markets during the forecast period.

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By product, the power transformer segment emerged as the global leader in 2020 and is anticipated to be the largest markets during the forecast period.

Depending on winding, the auto transformer segment registered the highest market share and is projected to maintain the same during the forecast period.

As per cooling, the dry type segment registered the highest market share and is projected to maintain the same during the forecast period.

According to insulation, the gas segment registered the highest market share and is projected to maintain the same during the forecast period.

By application, the industrial segment registered the highest market share and is projected to maintain the same during the forecast period.

#### Impact Of Covid-19

The electric industry accounted for significant share in terms of consumption of [transformer core globally](#). The demand for electricity has increased due to the significant reductions in services and industry only partially offset by higher residential use, which, in turn, increases the demand for transformer core.

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The manufacturing of transformer core was halted for a specific period due to high peak of COVID-19 situation, which highly impacted the sales of transformer core.

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