

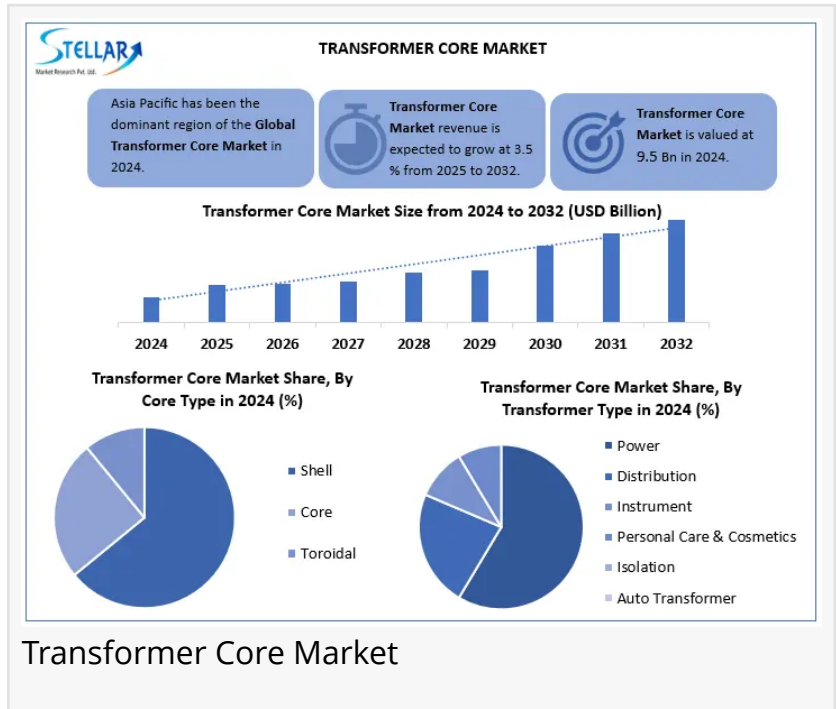
Transformer Core Market Nears USD 12.61 Billion Renewable Ambitions, Smart Grids, and Rising Costs Trigger

A transformer core is the central part of a transformer, made from thin metal sheets (usually silicon steel) that help to carry magnetic energy.

WILMINGTON, DE, UNITED STATES,

September 11, 2025 /

EINPresswire.com/ -- Energy demand is skyrocketing. By 2050, global electricity consumption is projected to surge 50%, placing massive strain on outdated grids and power infrastructure. In this storm, the [Transformer Core Market](#) is quietly becoming a strategic battleground—valued at USD 9.5 billion in 2024 and racing toward USD 12.61 billion by 2032 at a 3.5% CAGR (2025–2032).



But this isn't just another CAGR story. It's about who will lead the next phase of industrial power.

Asia-Pacific: The 41% Powerhouse

Asia-Pacific holds 41% of the global market, fueled by China's 2,890 GW renewable ambition and India's 500 GW target. In 2024, China contributed USD 1.89 Bn, while India added USD 0.5 Bn. With rural electrification, renewable integration, and smart grid rollouts, the region is more than a growth hub—it's the center of the grid revolution.

□ Access the full Research Description at:

https://www.stellarmr.com/report/req_sample/Transformer-Core-Market/2790

Smart Grids & IoT: The Next Billion-Dollar Opportunity

Globally, 2.1% of transformers retire annually, creating vast retrofit opportunities. IoT-enabled



The transformer core market is witnessing strong growth, fueled by rising electricity demand, renewable energy integration, and modernization of power grids to enhance efficiency”
Navneet Kaur

smart grids are driving adoption of sensor-embedded, digitally connected cores, ensuring resilience and efficiency in industrial and utility power networks.

Material Volatility: The Hidden Risk

Silicon steel and amorphous metals, critical for core manufacturing, face volatile pricing. This volatility is forcing manufacturers to embrace amorphous steel and nanocrystalline alloys—not just for cost efficiency, but also for sustainability and performance gains.

The Race to Set the Benchmark

Competition is intensifying:

Hitachi Energy has committed USD 6 Bn to North America and Asia expansion.
Siemens AG launched smart amorphous core transformers for Europe’s renewables.
ABB Ltd. reinforced its digital portfolio, while GE advanced high-efficiency silicon steel cores.

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This is no longer about supply—it’s about vision, efficiency, and digital readiness.

Key Players in the Transformer Core Market

North America

ABB Ltd. – United States
General Electric Company – United States
SPX Transformer Solutions, Inc. – United States
Howard Industries, Inc. – United States
Power Partners, Inc. – United States
ERMCO (Electric Research and Manufacturing Cooperative) – United States

Europe

Siemens AG – Germany
SGB-SMIT Group – Germany
Schneider Electric SE – France
TMC Transformers S.p.A. – Italy

Meggitt PLC – United Kingdom
Celduc Relais – France
Luvata Oy – Finland
CG Power Systems Belgium NV – Belgium
TESAR S.r.l. – Italy

Asia Pacific

Hitachi Energy Ltd. – Japan
Toshiba Energy Systems & Solutions Corporation – Japan
Fuji Electric Co., Ltd. – Japan
Hyosung Heavy Industries – South Korea
Crompton Greaves Power and Industrial Solutions Ltd. – India
Bharat Heavy Electricals Limited (BHEL) – India
Voltamp Transformers Ltd. – India
TBEA Co., Ltd. – China
Jiangsu Huapeng Transformer Co., Ltd. – China
Baoding Tianwei Group Co., Ltd. – China

South America

WEG S.A. – Brazil
Transformadores Unión S.A. – Argentina

MEA

Elsawedy Electric Co S.A.E. – Egypt
Saudi Transformers Co. Ltd. (STC) – Saudi Arabia
Actom (Pty) Ltd. – South Africa

Why This Matters

As the market shifts, companies, investors, and policymakers must ask: Who will define the next standard of industrial power reliability?

At Stellar Market Research (SMR), our latest analysis uncovers hidden retrofit demand, regional adoption strategies, and material cost risks shaping this \$12.61 Bn market.

Read the full research description here and see why the transformer core market is the industrial power story no one can afford to ignore: <https://www.stellarmr.com/report/Transformer-Core-Market/2790>

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