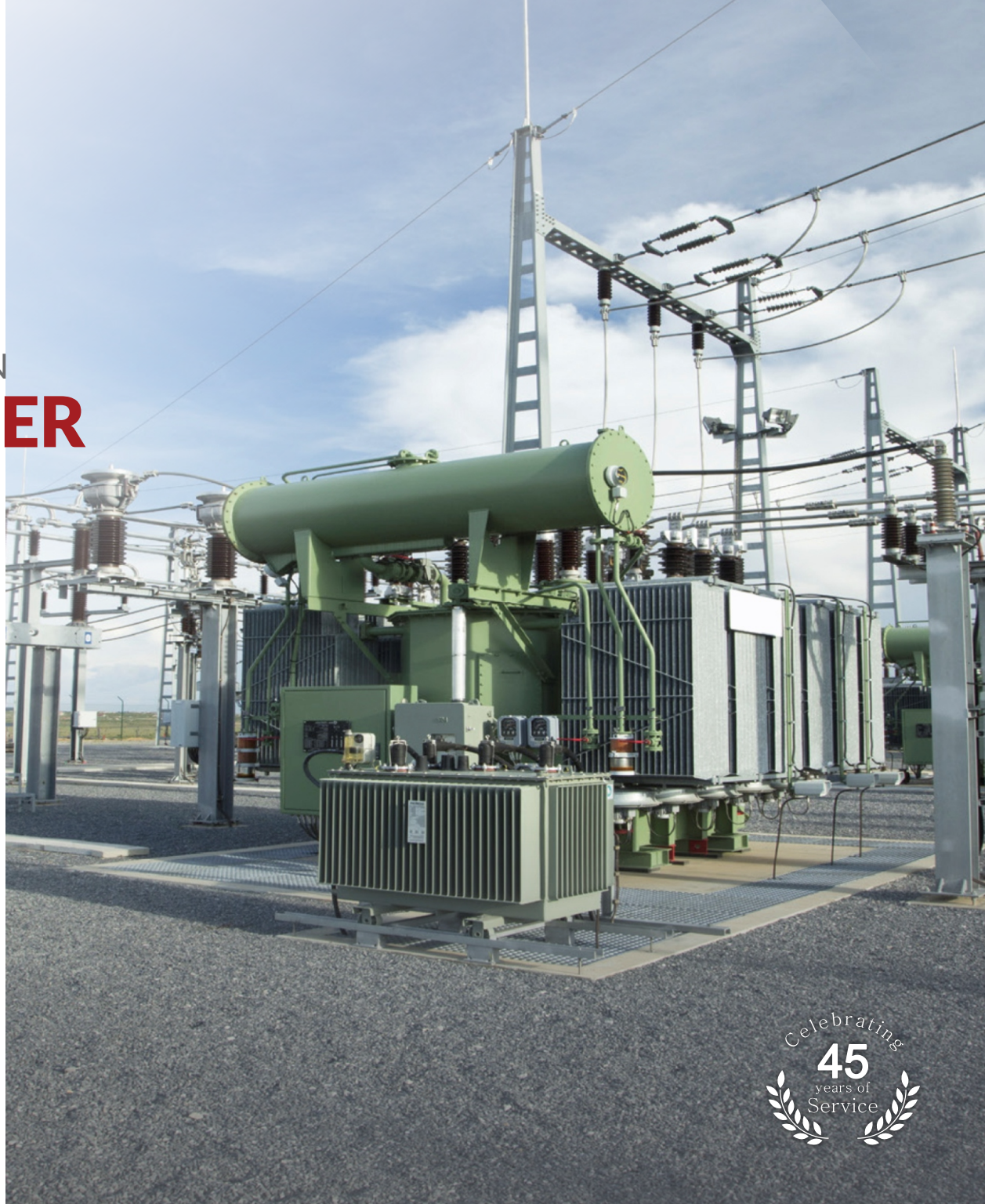




EXPERT SOLUTIONS  
IN POWER & DISTRIBUTION  
**TRANSFORMER**



NABL  
CERTIFIED



MARKED  
TRANSFORMER



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Celebrating  
**45**  
years of  
Service

Powering Industries Worldwide Since 1981



## ABOUT JAYBEE INDUSTRIES

Since 1981, Jaybee Industries has been a pioneer in India's power sector, delivering excellence in Power & Distribution Systems. Recognized as a **Best Grade Qualified Enterprise**, by Punjab Industries Department, we lead with innovation and quality.

Headquartered in Bathinda, our expertise extends to Nalagarh, where we operate advanced manufacturing units. Our diverse product range includes **high/low voltage transformers (up to 100 MVA)**, insulated aluminum/copper wires and low-loss annealed cores crafted from CRGO & Amorphous Metal. Trusted by global agencies like Lloyds-UK, RITES and CPRI, we uphold the highest quality standards.

Expanding our capabilities, we introduce Unit 3 at our 6-acre Ambala facility, enhancing production with cutting-edge technology for **XLPE and specialized cables** alongside transformers and substation equipment.

Jaybee Industries continues to drive innovation, shaping the electrical industry with a commitment to excellence. Join us in illuminating the future—one breakthrough at a time.

45

Years of  
Trust

04<sup>+</sup>

Years of  
National Recognition

13<sup>+</sup>

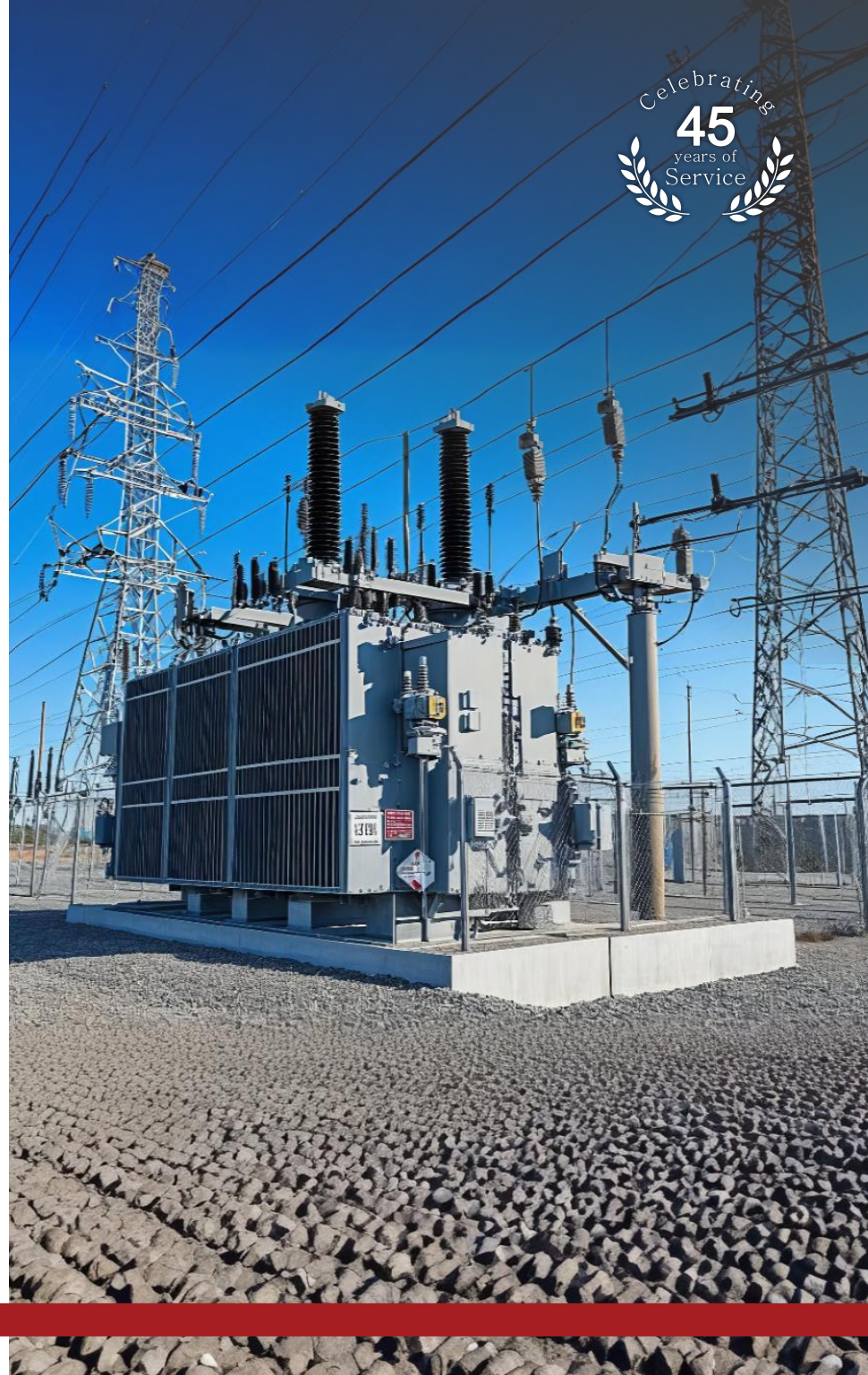
Transformer  
Types & Apparatus

800<sup>+</sup>

Happy  
Customers

3000

MVA Per Year  
Production Capacity





# LEGACY SINCE 1981

## COMMITMENT TO EXCELLENCE

For over **four decades**, **JAYBEE Industries** has been a trusted name in the electrical industry, delivering top-tier Power & Distribution Transformers with **unmatched quality and reliability**.

Our products are recognized by **Lloyds-UK, RITES, ERDA Vadodara, CPRI Bhopal and National Test House Ghaziabad**, ensuring compliance with the highest industry standards.

As a global leader, our expert in-house design and engineering team ensures precision and performance, catering to diverse needs in **Rating, Voltage Ratio, Tappings, Impedance, Losses, Fittings and Winding Materials**.



## UNCOMPROMISED QUALITY & TESTING

JAYBEE transformers are designed to withstand **Short Circuit Tests, Lightning Impulse Voltage Tests, Air Pressure Tests, and Temperature Rise Tests** as per **IS/IEC standards**.

### TO MAINTAIN UNCOMPROMISED QUALITY, WE FOLLOW:

**Strict material quality checks** ensuring premium raw materials

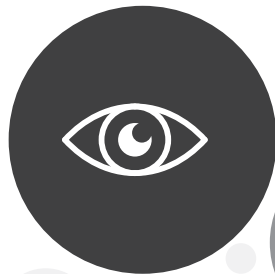
**Stage-wise inspections**, from coil winding and core assembly to insulation cutting and oil filling

**Advanced testing of raw materials and final products** for superior performance and reliability

Celebrating  
**45**  
years of  
Service

### OUR VISION

To be India's most reputed and preferred provider of energy-efficient Power & Distribution Transformers by 2025.



### OUR PHILOSOPHY

We deliver customized solutions with a commitment to fairness, trust, integrity, excellence, and equality, ensuring transparency, reliability and quality in all aspects.



### OUR MISSION

To lead in high-quality transformer solutions with exceptional customer support.



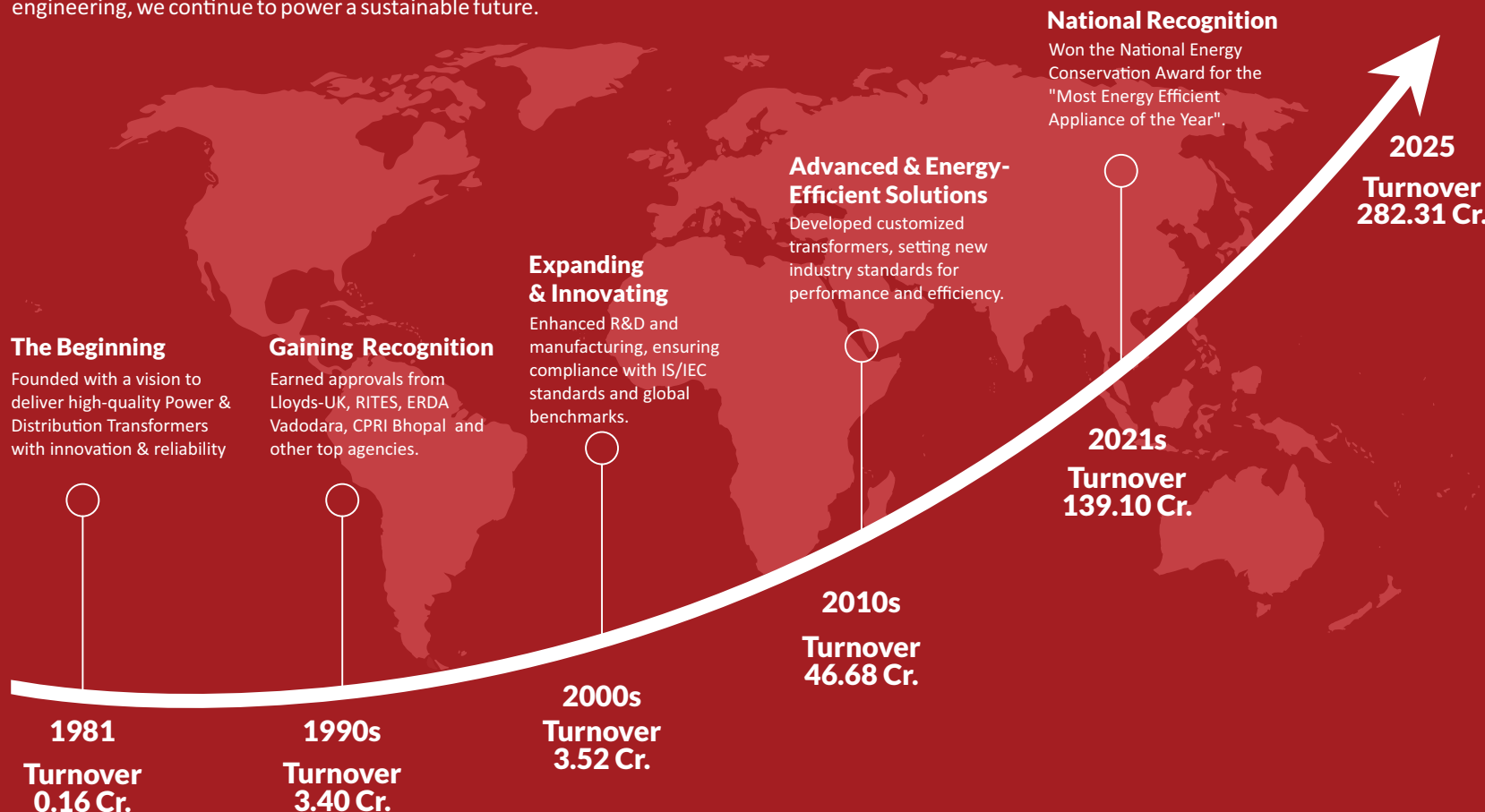


# OUR JOURNEY TO EXCELLENCE

Since 1981, Jaybee Industries has been a trusted name in Power & Distribution Transformers, known for innovation, quality and reliability. Recognized by top agencies, we offer energy-efficient solutions and were honored with the **2021 National Energy Conservation Award**. With advanced technology and precision engineering, we continue to power a sustainable future.

## A Trusted Industry Leader

Delivering cutting-edge transformer solutions with a focus on quality, technology, and sustainability.





# PRODUCT RANGE

## Power & Distribution Transformers - Engineered for Excellence

At Jaybee Industries, we take immense pride in engineering a comprehensive and sophisticated range of power and distribution transformers. Manufactured entirely in-house at our technologically advanced production facilities, each unit exemplifies exceptional quality, precision, and reliability. Our transformer solutions are broadly classified into two principal categories: Oil-Filled Transformers and Dry Type Transformers.

Across both categories, we offer a wide spectrum of tap-changing technologies — from fixed-ratio configurations to manually operated off-load tap changers and fully automated on-load tap changers (OLTC) for seamless voltage regulation under load. Our engineering team also employs advanced core technologies, including time-tested CRGO (Cold Rolled Grain Oriented) steel and cutting-edge amorphous metal cores, tailored as per the energy efficiency requirements of each application. Furthermore, Jaybee Industries manufactures transformers in both single-phase and three-phase configurations to align with residential, commercial and industrial needs.

Jaybee Industries offers a robust portfolio of Power and Distribution Transformers, including both oil-filled and dry-type variants. These units are designed with precision to cater to diverse voltage levels, load profiles and installation environments.

### Power & Distribution Transformers Oil Filled - Mineral or Ester Oil

**Power Transformers** – Engineered for high-load operations, available from 2.5 MVA to 25 MVA, up to 66 kV class.

**Distribution Transformers** – Widely deployed across distribution networks, ranging from 10 kVA to 2.5 MVA, up to 33 kV, in both single and three-phase configurations. Jaybee Industries manufactures these transformers in full compliance with IS 1180 (Part 1): 2014, covering energy efficiency levels from EEL1 to EEL5. Designed to meet stringent BIS norms, these transformers ensure reduced no-load and load losses, offering highly efficient and reliable solutions for DISCOMs and utility providers.

**Auto Transformers** – Highly efficient for close-ratio voltage conversions using a shared winding design.

**Furnace Duty Transformers** – Tailored for induction furnace operations, built to withstand intensive thermal and electrical stress.

**Corrugated Tank Transformers** – Compact and thermally efficient, suitable for installations with space constraints.



Oil Filled 11/22/33/66 KV Class Up to 20 MVA With / Without OLTC



Single Phase Transformers



Corrugated Tank Transformers



**Pad-Mounted Transformers** – Aesthetically designed, tamper-resistant enclosures ideal for urban and underground distribution.

**Scott-T Connected Transformers** – Designed for three-phase to two-phase power conversion in specialised systems.

**Solar Inverter Duty Transformers** – Specifically configured to handle harmonics and fluctuating loads in renewable energy installations.

**HT Automatic Voltage Regulators (HT AVR)** – Ensures stabilised high-tension output in dynamic voltage conditions.

## Dry Type Transformers

**Cast Resin Type (CRT)** – Flame-retardant and moisture-resistant, ideal for humid and corrosive settings, available from 16 KVA to 5 MVA, up to 33 KV class.

**Vacuum Pressure Impregnated (VPI) Type** – Traditional technology, optimal for cost-effective, low-risk environments, available from 16KVA to 2.5 MVA, up to 11 kV class.

## Applications

Generation plants and grid substations

Transmission and rural electrification schemes

Renewable energy ecosystems including solar parks

Energy-intensive manufacturing industries

Commercial infrastructure and metro rail projects

Mission-critical power installations requiring unwavering stability

Commercial complexes, shopping centres, and metro stations

Educational institutions and hospitals

Data centres, airports, and IT parks

Indoor substations, basements, and fire-sensitive zones

Facilities with stringent safety and low-maintenance demands

## Servo Voltage Stabilisers (Oil-Cooled)

Jaybee Industries also specialises in the design and manufacture of oil-cooled Servo Voltage Stabilisers, tailored for industrial applications requiring precise voltage regulation. These stabilisers continuously monitor and correct voltage fluctuations, thereby safeguarding sensitive equipment and optimising energy performance.



Furnace Transformers



Cast Resin Dry Type Up to 33 KV  
5 MVA -With / Without OLTC



Servos & Rectifiers

## Applications

CNC machinery and process automation lines

Textile, paper and packaging industries

Commercial establishments with voltage-sensitive electronic infrastructure

Power-critical laboratory and testing setups

## Compact Substations (CSS)

Jaybee Industries excels in designing and fabricating fully integrated Compact Substations — modern, enclosed systems that house the complete electrical infrastructure in a compact footprint.

High Voltage (HV) Panel- Equipped with best of the class safety arrangements.

Oil-Filled or Dry Type Transformers -As per customer's requirement/specifications.

Low Voltage (LV) Panel- Equipped with low voltage circuit breakers and distributions boards as per customer's requirement/specifications.

## Key Features

Space-optimised and aesthetically pleasing design

Custom-engineered for metro, commercial, and industrial deployments

Commercial establishments with voltage-sensitive electronic infrastructure

Compatibility with SCADA, RMUs, automatic voltage regulation and power factor correction units

It is imperative to understand that transformers are not merely a one-time capital investment; rather, they incur a continuous operational cost in the form of energy losses throughout their service life. Therefore, the true cost of ownership must be evaluated through the Total Owning Cost approach — the sum of the initial purchase cost and the lifetime cost of energy losses. This holistic evaluation, often carried out using the cost capitalisation technique, ensures that users make economically and environmentally sound decisions when selecting transformers.

With a legacy built on innovation, excellence, and customisation, Jaybee Industries delivers transformative power solutions tailored to dynamic industrial, commercial, and infrastructural demands. Our portfolio of oil-filled, dry-type, servo stabilisers, core-optimised transformers, and turnkey compact substations reflects our engineering acumen and unwavering commitment to quality.

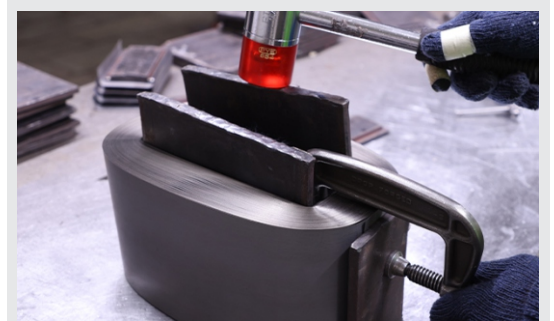
Collaborate with Jaybee Industries — where precision meets performance, and power meets purpose.



Earthing Transformers



Compact Sub Stations



Amorphous Metal Distribution Transformers



# QUALITY MATERIALS & VENDORS

## CRGO (Cold Rolled Grain Oriented Steel)

Processing: In-house

posco

thyssenkrupp

NIPPON STEEL

Stalprodukt S.R.

JFE

## Amorphous Core Material

Processing: In-house

PROTERIAL

ATM Material

AVL

## Winding Material

Processing: In-house

ADITYA BIRLA  
HINDALCO

balco

Sterlite Tech

## Tanks

Processing: In-house

सेल SAIL

ESSAR

## Transformer Oil (Mineral & Ester)

SAVITA  
bonds build businesses

APAR  
tomorrow's solutions today

## Painting & Finishing

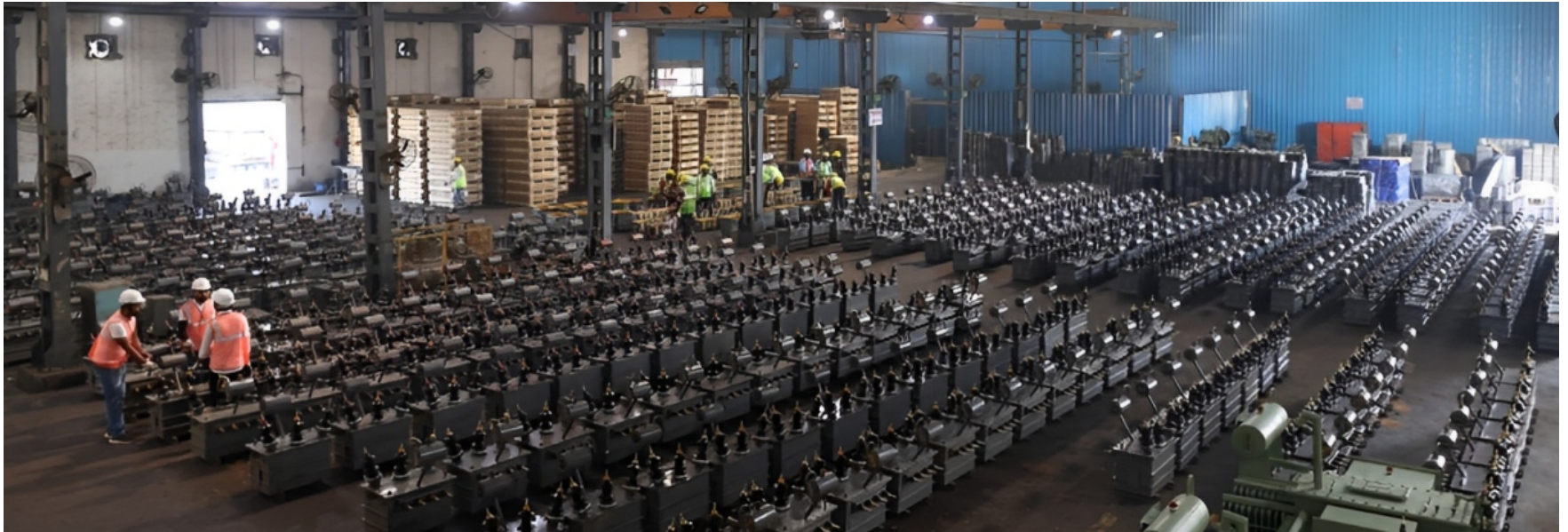
In-house Shot Blasting Unit and Paint Booths

KANSAI  
PAINT  
NEROLAC

## Cast Resin Dry-Type Polymer

HUNTSMAN  
Enriching lives through innovation





## TRANSFORMING POWER WITH INTELLIGENT DESIGN

At Jaybee Industries, our in-house design expertise—powered by proprietary software, AutoCAD, and CAD Pro—ensures transformers are optimized for performance, efficiency, and durability. Every transformer is meticulously designed to meet customer-specific requirements with absolute precision before production begins.



## BUILDING RESILIENT POWER TRANSFORMERS

Our transformers leverage advanced computer-aided engineering for maximum efficiency and reliability, featuring:

Optimized Windings – Engineered for ideal flux density, minimal losses, and accurate impedance.

Core Frame Design – Designed to reduce no-load losses and enhance energy efficiency.

Customized Accessories & Fittings – Tailored to industry standards and customer needs.

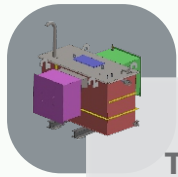
Efficient Cooling & Structure – Engineered for optimal thermal management and seamless performance.

With cutting-edge technology and decades of expertise, Jaybee Industries delivers transformers that set the benchmark for durability, reliability, and peak efficiency.

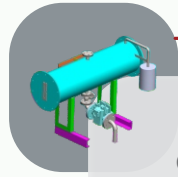


# TRANSFORMER

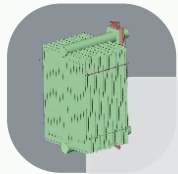
## COMPONENT MAPPING



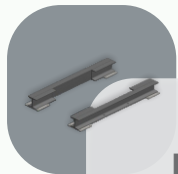
TANK ASSEMBLY  
WITH CABLE BOX



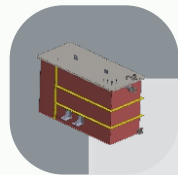
CONSERVATOR  
ASSEMBLY



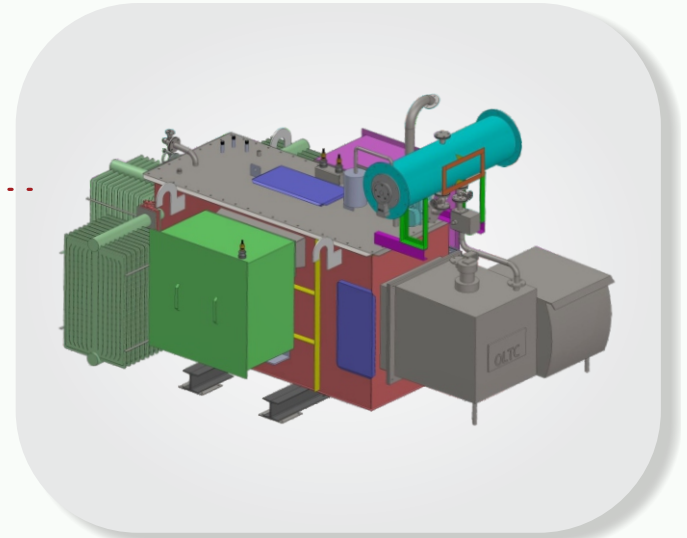
RADIATOR  
ASSEMBLY



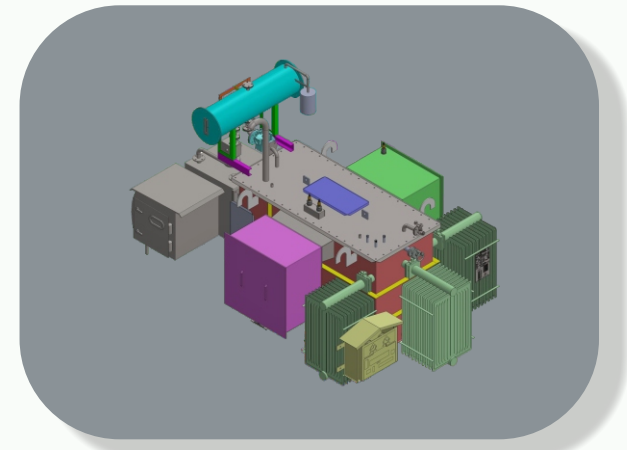
BASE CHANNEL  
ASSEMBLY



TANK  
ASSEMBLY



MAIN ASSEMBLY



MAIN ASSEMBLY (OTHER SIDE VIEW)

## PRECISION TESTING & QUALITY ASSURANCE

At Jaybee Industries, we ensure that every transformer meets the highest standards of quality, performance and reliability through our state-of-the-art testing procedures.

**NABL-Calibrated Instruments** – Our precision instruments are NABL-calibrated to guarantee accurate and consistent test results.

**In-House NABL-Accredited Testing Lab** – We follow globally recognized testing standards, ensuring compliance with national and international benchmarks.

**Comprehensive Quality Checks** – Every unit undergoes rigorous testing for efficiency, insulation strength, load performance and durability before deployment.



## SAFE & EFFICIENT MATERIAL HANDLING

We prioritize damage-free handling of raw materials and finished transformers through advanced logistics solutions.

**Forklifts & Overhead Cranes** – Equipped with industry-grade machinery for safe and efficient movement of heavy components.

**Zero Damage Handling** – Our trained personnel ensure careful lifting, shifting, and placement, preventing any impact on materials or transformer integrity.

**Streamlined Operations** – Optimized workflows reduce downtime and enhance overall production efficiency.

At Jaybee Industries, we combine precision engineering, rigorous testing, and safe material handling to deliver superior, high-performance transformers that stand the test of time.





## STREAMLINED DISPATCH WITH ERP PRECISION

At Jaybee Industries, our dispatch process is managed through advanced ERP software, ensuring sequential and on-time delivery as per customer requirements. This system enhances efficiency, minimizes delays and ensures seamless logistics management.

### RIGOROUS QUALITY CHECKS FOR UNMATCHED RELIABILITY

We adhere to the latest industry standards, ensuring every transformer meets the highest benchmarks of mechanical and electrical quality:

Compliance with IS 1180:2014, IS 2026 & IEC Standards – Ensuring top-tier performance for domestic and export applications.

NABL-Certified Type Testing – Every design undergoes rigorous testing at CPRI, ERDA, ERTD and other NABL-accredited labs before market release.

Comprehensive In-House Testing – All transformers are tested as per Indian Standards before dispatch.

BIS-Certified & ISO-Accredited – Each unit carries the BIS certification mark, ensuring compliance with government-mandated quality and efficiency standards.



## RECOGNIZED FOR EXCELLENCE

Our commitment to quality and energy efficiency has been acknowledged by the Power Ministry and industry leaders through multiple awards and achievements.

### Why Choose a Higher Energy Efficiency Transformer?

Investing in a higher energy efficiency transformer means:

**Lower Energy Losses** – Reducing operational costs and maximizing savings.

**Sustainable Performance** – Contributing to a greener environment with reduced carbon footprints.

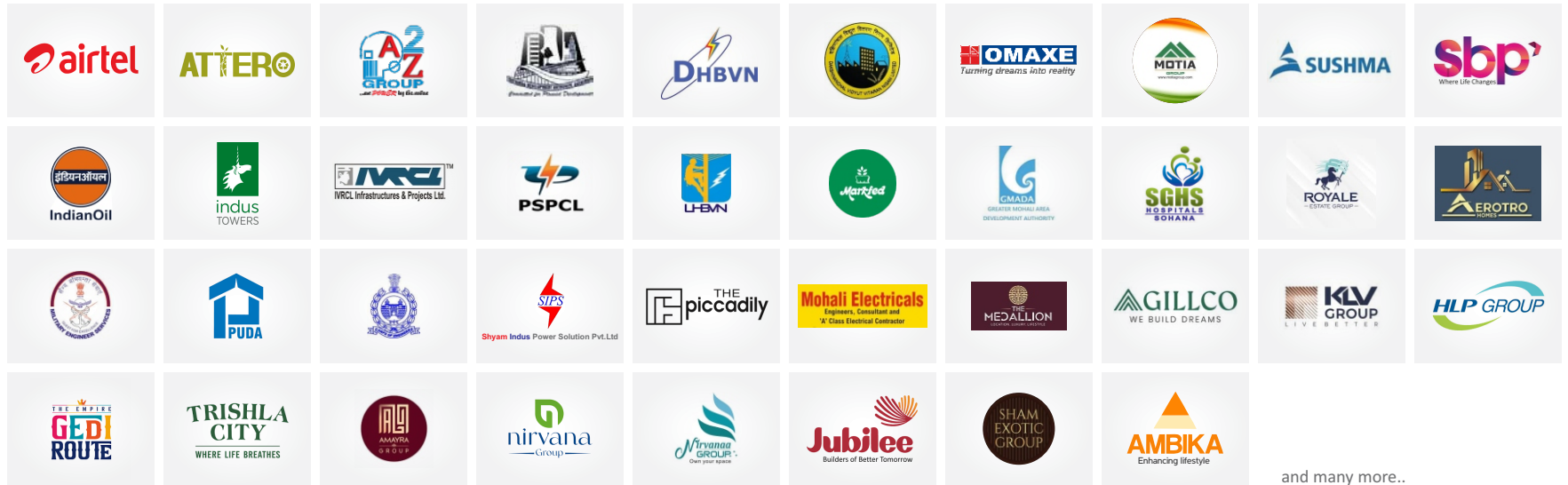
**Long-Term Reliability** – Engineered for durability and optimal performance over time.

## RECOGNIZED FOR EXCELLENCE

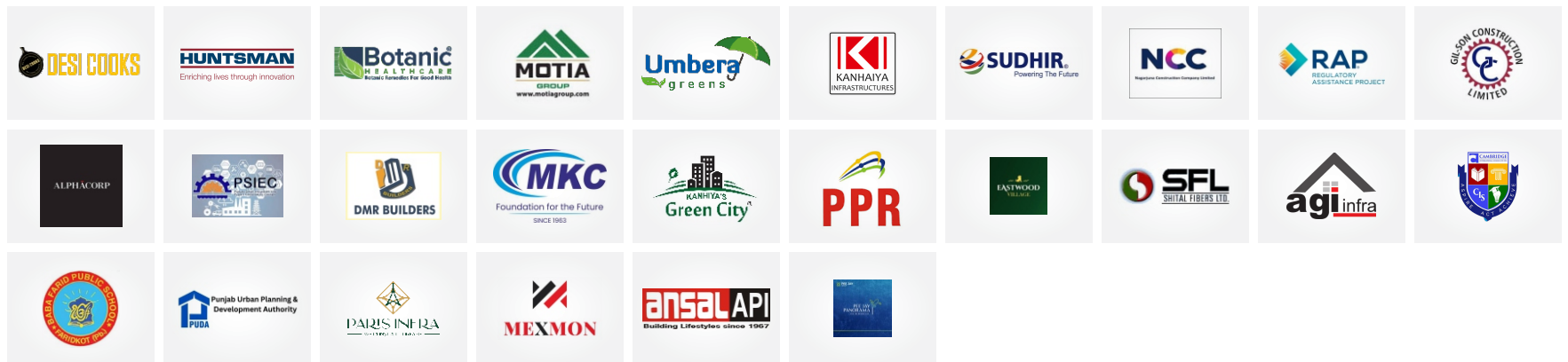
At Jaybee Industries, we believe in giving back to the community. Through our CSR initiatives, we actively support sustainability, education and infrastructure development, ensuring a positive impact on society.

With cutting-edge technology, stringent quality control, and customer-centric solutions, Jaybee Industries stands as a trusted name in the transformer industry.

## COMMITTED TO OUR VALUED CUSTOMERS



## CRAFTING EXCELLENCE WITH OUR BUILDERS







National Energy Conservation Award for  
**'MOST ENERGY EFFICIENT APPLIANCE OF THE YEAR',**  
presented by the Ministry of Power.

## OUR ACHIEVEMENTS & ACCREDITATIONS



### NATIONAL ENERGY CONSERVATION AWARD

Honored with the National Energy Conservation Award for the "Most Energy Efficient Appliance of the Year 2021." This recognition highlights our commitment to energy efficiency and sustainable innovation.



### SKOCH ACHIEVERS AWARD

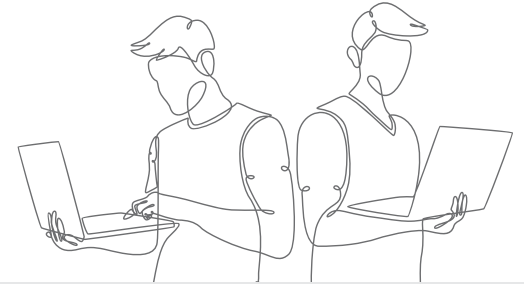
Recognized among India's best SMEs, the SKOCH Achievers Award celebrates our exceptional performance, excellence and dedication to delivering top-quality products and services.



WE BELIEVE IN GROWING  
TOGETHER AS A  
TEAM, AS A FAMILY



# SCAN & CONNECT



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**45**

Years of  
Trust

**04<sup>+</sup>**

Years of  
National Recognition

**13<sup>+</sup>**

Transformer  
Types & Apparatus

**800<sup>+</sup>**

Happy  
Customers

**3000**

MVA Per Year  
Production Capacity



**JAYBEE**

—SINCE 1981—

POWERING INDIA

#### Unit I

5 km Stone, Malout Road,  
Bathinda Punjab, 151002

#### Unit II

Village Kirpalpur, Baddi road,  
Nalagarh, Himachal Pradesh, 174101

#### Unit III

A1, A2, A3 - Motiaz Industrial Sector,  
Raipurrani Narayangarh Road,  
Ambala, Haryana, 134203

Toll Free Number: 1800 3099 948

Email: [info@jaybeeindustries.com](mailto:info@jaybeeindustries.com)

Website: [www.jaybeeindustries.com](http://www.jaybeeindustries.com)