JINDAL
TRANSFORMERS & SERVO

We care about your component...

MANUFACTURER & SUPPLIER OF:

- Automatic Voltage Controllers
- Distribution Transformers
- Electroplating Rectifiers
- Power Control Panels
- HT-AVR Transformers
- Servo Voltage Stabilizers
- Dry Type Transformers
- Furnace Transformers
- Colouring Transformers
- Step Down Transformers
- Special Purpose Power Supplies
- Power Factor Control Panels

www.jindaltransformers.in

Your ultimate partner in industrial excellence and growth...

Jindal Transformers and Servo (JTS) is a leading transformers and servo manufacturing company from Ludhiana, Punjab, specialize in producing wide range of products including Automatic Voltage Controllers, Distribution Transformers Electroplating Rectifiers, Power Control Panels, HT-AVR Transformers, Servo Voltage Stabilizers, Dry Type Transformer, Furnace Transformers, Colouring Transformers, Step Down Transformers, Special Purpose Power Transformers and Power Factor Control Panels. To maintain the highest standards of quality, we operate an in-house laboratory that adheres to both national and international standards. All our products are manufactured according to Indian Standards.

We have developed an indigenously sound technical process that meets international standards, enabling us to produce transformers with the best quality and reliability. These products find applications across various industries, including electrical utilities, small and large industries, generating stations, transmission systems, and more. Our transformers are also used in furnace and solar inverter applications, as well as in defense, atomic energy, and research & development sectors.

Our team of highly skilled engineers is dedicated to developing custom transformers based on customer requirements. We are committed to engineering excellence, with a constant focus on quality, innovation, and customer satisfaction, allowing us to serve the global market effectively.

ABOUT US

Why Choose Us?

JTS can help you overcome the challenge by providing robust and perfect transformer solutions made of top-quality components and materials for the end-users taking into account their overall abilities, tools, and processes. Our brand comes to the minds of the customers when they require sustainability, efficiency and growth of instruments. Here are some unique features that makes us different from others:

- Our designs follow the principles of electromagnetic induction and strictly adhere to safety regulations.
- We prioritize quality above all else and ensure it never gets compromised.
- Our products are designed to reduce power losses and minimize noise levels for better performance.
- Our products meet international standards and are updated with the latest industry trends and practices.
- The advanced design of our products ensures they are durable and require minimal maintenance.
- We use computerized designs and blueprints to ensure maximum accuracy in product development.

We have our skilled team for after-sale service, which is dedicated towards customer satisfaction. We have kept the cost of the instruments very competitively as per market trends. Our motive is to supply good & reliable quality instruments at the bare minimum cost.

Our Products & Services

- Automatic Voltage Controllers
- Distribution Transformers
- Electroplating Rectifiers
- Power Control Panels
- HT-AVR Transformers
- Servo Voltage Stabilizers
- Dry Type Transformers
- Furnace Transformers
- Colouring Transformers
- Step Down Transformers
- Special Purpose Power Supplies
- Power Factor Control Panels

Automatic
VOLTAGE CONTROLLER
(Unbalanced Type)

JTS Automatic Voltage Stabilizers are crafted using premium raw materials to ensure exceptional performance. These high-speed electro mechanical regulators are built with the latest technology, providing stable voltage supply without harmonics. They are designed to operate efficiently across a wide temperature range.

We are engaged in offering an impeccable range of Automatic Voltage Controller. Use for special purpose applications and testing are designed under the supervision of our competent professionals utilizing superior quality material and advance technology. These are the rolling contact type voltage controller, we are giving these voltage controllers with various sizes as per the requirements of customers.

(Balanced Type)

Features:

- High-response, low-inertia, rugged AC servo motor.
- Critically damped response for all load and supply conditions.
- Energy-efficient design with superior transformer technology.
- Fast correction speeds: up to 35V/sec for three-phase and 20V/sec for single-phase systems.
- Output voltage adjustment.
- Simple, robust construction for durability & ease of maintenance.
- Solid-state control circuitry.

Unbalanced type Servo Stabilizer special for CNC and VMC Machine

Unbalanced Type Servo Stabilizer Special For Home Uses

Specification:

- Product Range: 30 KVA to 8000 KVA
- 0 - 1000V, 0 - 11KV
- Other Voltage also available on as customer request
- Five Year Unconditional Guarantee In India.

Distribution
TRANSFORMER

Distribution transformers are essential components of electrical power distribution systems, responsible for stepping down high voltage from transmission lines to lower voltages suitable for residential, commercial, and industrial use.

Key Specifications:

- Voltage Rating from 11 KV to 433 V depending on the specific application.
- KVA Rating Varies from a few KVA to several MVA
- Cooling Type: Oil-cooled, air-cooled, or dry-type
- It comes in Single-phase or Three-phase
- Impedance: Affects voltage regulation and short-circuit currents
- Efficiency: Reflects energy conversion effectiveness

Why Choose JINDAL Transformers & Servo (JTS) ?

- Experienced team
- Advanced testing and repair facilities
- Customer satisfaction-focused
- Competitive pricing and reliable service

Applications:

- **Residential:** Powers homes and small businesses
- **Commercial:** Powers shops, offices, and facilities
- **Industrial:** Powers machinery and equipment
- **Rural :** Extends power to remote areas

Services Offered by

- Sales: Wide selection of quality transformers and expert guidance
- Regular inspections, repairs & services
- AMCs to custom maintenance plans with priority response
- Short- & long-term rentals with installation
- Testing/Commissioning to ensures compliance and safe operation

Electroplating RECTIFIERS

JTS Electroplating Rectifiers are constructed with electrolytic prime-grade copper strips, significantly reducing power losses when compared to the aluminum conductors used by many other manufacturers. Our equipment is designed with ample capacity and is ideally suited for handling marginal overloads.

We utilize vertical rolling contact type voltage regulators, which are wound with heavy copper strips, ensuring suitability for 100% continuous duty cycles and industrial applications. This is in contrast to conventional wire-wound regulators used by other manufacturers. The carbon rollers move on both sides of the winding for enhanced performance.

Key Features:

- Sleek and modern design that enhances the visual appeal and fits seamlessly into industrial environments.
- Built with high-quality materials to reduce energy losses, ensuring efficient performance and lower operating costs.
- Optimized for energy efficiency, consume less power, contributing to overall cost savings in long-term operation.
- Built for durability & reliability and offering trouble-free operation, making it easy to maintain.
- Engineered for smooth, consistent performance with high tolerance to overload conditions.
- Robust construction and high-quality components.

Specification:

- 1 Volt to 1000 Volts DC and current outputs ranging from 10 Amps to 20,000 Amps
- Suitable for both high-tension (HT) & low-tension (LT) supplies
- Suitable for a variety of industrial applications

Power Control **PANELS**

JINDAL TRANSFORMERS & SERVO
We care about your component...

The Power Control Panel efficiently manages and distributes electrical power, ensuring safe and reliable operation. It protects against overloads and short circuits, using advanced technology to monitor and control electrical systems.

Key Specifications:

- Voltage Rating from 11 KV to 433 V depending on the specific application.
- KVA Rating Varies from a few KVA to several MVA
- Cooling Type: Oil-cooled, air-cooled, or dry-type
- It comes in Single-phase or Three-phase
- Affects voltage regulation and short-circuit currents
- Efficiency: Reflects energy conversion effectiveness

Power Control Center (PCC) Panels are modular units used in industrial and commercial settings to manage power for machinery, motors, and transformers. They include incomers, bus couplers with interlocking, and protective relays, lamps, and meters.PCC panels come with top/middle/horizontal bus bar designs, aluminum or copper bus bars, and various cable termination options. Features include APFC, DG incomer with AMF, non-essential feeder cut-off, and bus duct connections at the main incomer side.

Power Factor **CONTROL PANELS**

Key Features:

- Optimizes power use and reduces reactive power.
- Lowers energy costs by minimizing waste.
- Allows higher loads without infrastructure upgrades.
- Reduces emissions and supports sustainability.
- Enhances voltage stability, reducing downtime.

A Power Factor Panel (PFC) improves the power factor of an electrical system. Power factor is the ratio of real power used for work to apparent power supplied to the circuit. A low power factor indicates inefficient power use, increasing energy costs and stressing the electrical infrastructure. Power factor panels use capacitors (and sometimes inductors) to offset reactive power from inductive loads like motors and transformers. This enhances power consumption efficiency, reduces energy costs, and extends the lifespan of electrical equipment.

HT-AVR **TRANSFORMERS**

JTS HT-AVR Transformers are designed for both indoor and outdoor installation. These copper-wound HT Two-In-One systems revolutionize voltage regulation and stabilization. As the name suggests, they stabilize the voltage on 11KV, 22KV, or 33KV before the distribution transformer.

The fluctuating HT voltage from the electricity supply is stabilized with an accuracy of +1%, ensuring a stable LT output within +1% accuracy. Contrary to common belief, stabilizing HT voltage is not dangerous and doesn't require highly skilled technicians for maintenance.

Key Features:

- Reliable Performance: Ensures consistent voltage regulation.
- High Efficiency & Safety: Minimizes energy loss and enhances safety.
- Strong & Compact: Durable, space-saving design.
- Low Cost: Cost-effective and easy to maintain.
- Reduced Power Losses: Optimized for efficiency.
- Weather Resistance: Ideal for all environmental conditions.

Servo Voltage **STABILIZERS**

Inner View of Balanced Type Servo Stabilizer

We offer a wide range of Automatic Servo Voltage Stabilizers to our valued clients, designed to enhance plant productivity. These stabilizers are particularly beneficial for industries such as printing, especially for machines like flexographic printers. Known for their robust strength, stability, and durability, Automatic Servo Voltage Stabilizers effectively regulate the mains power supply, ensuring a consistent voltage to your equipment. Additionally, they are ideal for home appliances, including air conditioners, ensuring optimal performance and protection from voltage fluctuations.

Capacity: 10 KVA to 8000 KVA

Features:

- Reduces the risk of breakdowns in electrical equipment, enhancing overall reliability.
- Optimizes power consumption, leading to cost savings over time.
- Improves power factor and Maximum Demand Indicator (MDI) for better load handling and reduced electricity bills.
- Provides a consistent, high-quality power supply, preventing fluctuations that could damage sensitive equipment.
- Enjoy depreciation benefits of up to 80% under Income Tax regulations (for India only).

DRY TYPE **TRANSFORMERS**

JTS Ventilated Dry Type Transformers are maintenance-free and fire-safe, using materials like metals, ceramics, fiberglass, and resin. They are environmentally friendly with no oil, making handling easier and eliminating risks of spillages or leaks. In case of fire, they produce minimal non-toxic smoke.

We offer these transformers with Class H/E insulation, capable of withstanding temperatures up to 180/220°C, and they perform well in humid and chemically polluted environments. To meet the needs of the Indian industry, we also provide Cast Resin Dry Type Transformers alongside our existing Vacuum Resin Impregnated Dry Type Transformers.

Key Features:

Available from 50 KVA to 5000 KVA, 11 KV and 33 KV class, suitable for indoor applications.
Off-circuit and on-load tap changer switches are available based on customer requirements.

Furnace **TRANSFORMERS**

The Induction Furnace features a coil made of heavy copper tubing, designed to work with an inverter circuit that applies medium-frequency voltage (typically 500 Hz or 1000 Hz) to generate heat through induced eddy currents in the charge. The inverter requires DC voltage, obtained by converting three-phase AC voltage using specialized transformers known as Induction Furnace Transformers. These transformers must endure high electrical, thermal, and mechanical stress due to frequent short circuits during the melting process. Unlike conventional transformers, furnace transformers are designed to handle high currents and frequent short circuits, ensuring reliable and efficient operation in demanding environments.

Key Features:

Capacity: 250 KVA to 30 MVA
Voltage Class: 433 V, 3.3 kV, 6.6 kV, 11 kV, 22 kV, 33 kV (Any Special Customised Class as per requirement)
Low Voltage: 400 V, 440V, 500V, 575V, 750V, 800V 1000V (Any Special Customised Class as per requirement)

Colouring **TRANSFORMERS**

Achieve precise and reliable voltage control for your coloring applications with our Constant Voltage Transformers. Designed to ensure a stable and regulated voltage supply, our transformers eliminate fluctuations that could impact color quality and accuracy. With advanced technology and robust construction, they provide uninterrupted power, delivering vibrant, consistent coloring results. Trust our transformers for exceptional color accuracy and consistency in your processes.

Key Features:

- Stable Voltage Control: Ensures consistent and precise voltage supply for accurate coloring results.
- Reliable Performance: Robust construction and advanced technology for uninterrupted power delivery.
- Enhanced Color Accuracy: Maintains stable voltage to achieve vibrant and consistent coloring outcomes.

Step Down **TRANSFORMERS**

A transformer is a static device that transfers alternating current (AC) electricity between circuits at the same frequency, typically varying the voltage level. For economic reasons, electrical energy is transmitted at high voltage and used at low voltage for safety. This voltage adjustment is achieved using a step-up transformer, which increases the output voltage.In contrast, a step-down transformer converts high voltage (HV) and low current from the primary side to low voltage (LV) and high current on the secondary side.

- The output voltage of a step-down transformer is lower than the source voltage.
- The primary winding is HV, and the secondary is LV.
- The secondary voltage is less than the primary voltage.
- The primary winding has more turns than the secondary.
- The secondary current is higher than the primary current.
- Step-down transformers are used in power distribution, such as those in residential areas.

Special Purpose Power **SUPPLIES**

JINDAL TRANSFORMERS & SERVO
We care about your component...

Special-purpose transformers are designed to meet the specific needs of industries with complex electrical systems or challenging conditions, such as mining, renewable energy, and marine. Unlike standard transformers, they provide precise voltage, current, and frequency characteristics. Custom-built for harsh environments, these high-efficiency transformers offer flexibility and are tailored to unique customer requirements. Special types, including marine and mining transformers, are ideal for industries dealing with high voltage levels and tough conditions.

Key Features:

- Perfect for harsh environments and demanding loads.
- Optimized for maximum performance and energy efficiency.
- Suitable for industries with high voltage levels and tough conditions, such as mining and marine.

OUR ESTEEMED **CLIENTELE**

HERO CYCLES
PYE HAND TOOLS ... the best on every test
Kajaria TRANSFORM YOUR WORLD
KOVA TOUGH BY NATURE

kangaro®
Rail Coach Factory, Kapurthala
LABORATE PHARMACEUTICALS INDIA LTD.
apoil the lubricant specialist
Radiant TEXTILE The yarn store
HM STEELS H.M. STEELS LIMITED
SINOCHEM DSM DSM Sinochem Pharmaceuticals
OM METALS SINCE1998
Vardhmān Delivering Excellence. Since 1965.
CMC HISAR The Healing Touch Since 1985
Santokh HOSPITAL A life to live

and many more...

JINDAL TRANSFORMERS & SERVO

Industry We Serve In:


Rice Industry


Food & Beverages


Tea Industry


Seed Industry


Jute & Textile


Pharma Industry


PVC Pipe Extruder Plant


Alminium Extrusion Plant


Water Treatment Plant


Printing Press


Paper Industry


Cement Industry

JINDAL TRANSFORMERS & SERVO JTS

JINDAL TRANSFORMERS & SERVO

Plot No. 16, Industrial Area, Ucchi Mangli,
Backside Aarti International, Chandigarh Road,
Ludhiana -141010, Punjab, INDIA.

SAHIL JINDAL (B.Tech Elec.) Director
Mobile: (+91) 93176-62989, 97802-00430
Office: (+91) 82880-00762

Email: jindaltransformers@gmail.com
www.jindaltransformers.in

Follow us on:

Scan for Website