



ENERPRONE PVT LTD

THE BEST SOLUTION
FOR YOUR
ELECTRICAL NEEDS



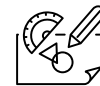
CONTROL PANEL

We are into optimizing the best possible solutions for our clients to manufacturing defect-free control panels



AUTOMATION

Enerprone Pvt Ltd is a leading Electrical Automation Company in Pune, and offers automation products and services that let you control your entire premises



ENERGY SAVING

We offer Energy Efficient Product range to help you reduce your power consumption and saving 25% to 30% power

ABOUT US

ENERPRONE PVT LTD is an organization focused on Technology Products and Solutions in Industrial Control Panel, Automation & Energy saving in Plastic Industries & Utilities, We cater to diversified sectors and constantly innovate to enhance the Product-Solution offerings with the latest technologies. We Are Manufacturer of all types of Industrial Electrical Control Panels, We deals in Electrical Automation, Electrical Control Panels of every customized need.

Vision - To be respected by customers for providing the most innovative and optimized solutions, by partners for the inclusive growth, by employees for exponential learning, engagement and development, by suppliers for being fair and honest in all transactions and by stakeholders for creating value.

Mission – Grow exponentially fast by innovating and diversifying in business segments and sectors.

VFD Based Energy Saver Control Panel

APFC/RT-PFC Control Panel

Automatic Main Failure Panel



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VFD BASED ENERGY SAVER CONTROL PANEL

**SAVE YOUR POWER
UP TO 20% TO 30%
IN PLASTIC
MOLDING MACHINES
& UTILITY**



ENERPRONE PVT LTD is an organization focused on Technology Products and Solutions in Industrial Control Panel, Automation & Energy saving in Plastic Industries & Utilities. Specially our focus is energy saving in plastic industry and utility, we are exporting energy saver panel for molding machine power pack motor in plastic industry to India as well as to Thailand, Dubai, South Africa and Malesia. Also in utility - Cooling Tower pumps/fans, chiller pumps and compressors. We are committed to give 20% to 30% overall electrical energy saving is achieved in blow, preform, stretch and injection molding machine (in power pack motor) as well as in utilities.

BENEFITS OF OUR ENERGY SAVING UNIT [For Molding M/C, Compressor, CT Pump & Chiller Pump]

- Energy Saving typically 20% to 30%
- The light bill will be reduced by at least 30%
- Improve motor power factor.
- It adjusts the speed of an pump motor or fan motor, based on demand,
- To save energy & prolong motor and mechanical component life.
- Saving energy will reduce your product cost.
- Energy saving occurs without any parameter change of the machine.
- The cycle times of the machine do not change.
- Special controller for energy saving of molding machine and transmitter for utility motor.
- VFD to Existing [Old] System Changeover Within 5 Second.
- The speed of the motor can be increased or decreased according to the need of oil pressure or process.
- Reduces electric motor as well as mechanical maintenance cost .
- Unnecessarily wasted energy can be saved.
- A VFD eliminates initial power surge and mechanical shock of switching the motor from off to on.
- You can the energy saving report at any time.
- Energy saving without disturbing the process of the machine.
- L&T/Schneider VFD Has Assure Warrantee Period Of 18 Months.
- Aesthetical look of control panel with standard provision.
- We have motor RPM and Multifunction energy meter as well as energy saver controller in the panel.



APFC/RT-PFC CONTROL PANEL

ENERPRONE PVT. LTD are manufacturer of all types of Electrical Control Panels like MCC,PCC, PDB, APFC, RT-PFC, Solar AC DB, Meter Panels, AMF Panel, VFD & PLC Panels etc. as per client requirements.

Energy saving is a major lookout in current scenario, Specially our focus is energy saving by using APFC Panel as needed in industry, Society, Mall, Shops, and utility.

Power factor measures a system's power efficiency and is an important aspect in improving the quality of supply. The aim of this project is to build an Automatic Power Factor Correction (APFC) Unit, which is able to monitor the energy consumption of a system and automatically improve its power factor. Power factor correction can be extremely beneficial. Benefits include everything from reduced demand charges on your power system to increased load carrying capabilities in your existing circuits and overall reduced power system losses. Below you'll find a list of five benefits in descending order of the potential financial impact on your utility bill.

**SAVE YOUR POWER
UP TO 20% TO 25%
IN INDUSTRY,
SOCIETY, SHOP,
MALL & UTILITY.**



BENEFITS OF APFC PANEL

- **AVOID POWER FACTOR PENALTIES:-**

Most industrial processing facilities use many induction motors to drive their pumps, conveyors, and other machinery in the plant. These induction motors cause the power factor to be inherently low for most industrial facilities. Many electric utility companies assess a power factor penalty for a lower power factor (usually below 0.80 or 0.85). By adding power factor correction, you can eliminate the power factor penalty from your bill.

- **REDUCED DEMAND CHARGES:-**

If the power factor is low, the percentage of the measured KVA will be significantly greater than the KW demand. Improving the power factor through power factor correction will lower the demand charge, helping to reduce your electricity bill.

- **INCREASED LOAD CARRYING CAPABILITIES IN EXISTING CIRCUITS:-**

Loads drawing reactive power also demand reactive current. Installing power factor correction capacitors at the end of existing circuits near the inductive loads reduces the current carried by each circuit. The reduction in current flow resulting from improved power factor may allow the circuit to carry new loads, saving the cost of upgrading the distribution network when extra capacity is required for additional machinery or equipment, saving your company upgrades costs.

- **IMPROVED VOLTAGE:-**

A lower power factor causes a higher current flow for a given load. As the line current increases, the voltage drop in the conductor increases, resulting in a lower voltage at the equipment. With an improved power factor, the voltage drop in the conductor is reduced, improving the voltage of the equipment.

- **REDUCED POWER SYSTEM LOSSES:-**

Although the financial return from conductor loss reduction alone is insufficient to justify the installation of capacitors, it is sometimes an attractive additional benefit

AMF (AUTOMATIC MAIN FAILURE) PANEL

ENERPRONE PVT. LTD are manufacturer of all types of Electrical Control Panels like MCC,PCC, PDB, APFC, RT-FPC, Solar AC DB, Meter Panels, AMF Panel, VFD & PLC Panels etc. as per client requirements.

Automatic Main Failure (AMF) Panels are designed to restore power during power failures and are installed in between the generators and main power supply. When the main supply failure occurs, the panel disconnects the main from the load, activates the generator and shifts load to generator output. On restoration of main supply, the generator automatically stops, gets disconnected and the load is again transferred to the mains.

**WE NEVER LET YOU
CUT SHORT ON
POWER.
CHOOSE WITHOUT A
SECOND THOUGHT**



STRENGTHS

Team- Strong team of expert experienced engineers and partners with relevant experience across APFC and all types of Industrial Control panels.

Customized & Optimized Solutions - We design innovative solutions for every Project to deliver the best value after a thorough technical understanding of the requirement. We energy saving panels build, installations with your machine and provide you with energy savings reports.

Quality- Superior and Reliable products from the best manufacturers in their respective categories. Thorough project checks to ensure the best in class solutions.

Pedigree & Experience - Strong backing in the field of industrial automation, high profile clientele and several success stories, all with the objective to provide the best engineering.

Solutions Service - 24hrs On-Time and Best-in-Class Service Support to ensure maximum Productivity.

ESTEEMED CLIENTS FROM PLASTIC INDUSTRY



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