



M. D. INDUSTRIES



PERFECTION WITH COMMITMENT



(An ISO 9001 : 2015 Company)

About Us

Dedicated to the pursuit of excellence in manufacturing India's premier process control instruments and advanced automation systems.

M.D Industries: A Pioneer in Electrical Control Panel Manufacturing

Founded in 2001 at GIDC, Vadodara, M.D Industries is a leading manufacturer of electrical control panels, including PCC, APFC, MCC, VFD, PLC panels, and non-segregated phase bus ducts ISO 9001:2015 certified, the company specializes in custom-engineered solutions for various industries, with a focus on quality, performance, and customer satisfaction. Its commitment to innovation and high manufacturing standards has earned it a strong reputation for reliability.

Our Panels

At M.D Industries, quality is paramount. Every stage of manufacturing is carefully supervised to ensure seamless operation, precision, and client satisfaction. Our team excels in meeting complex industrial needs, consistently exceeding standards and earning client trust. We specialize in advanced design, supply, and installation of different kind of panels and systems for projects across various sectors, with a strong presence in pan India. From humble beginnings, M.D Industries has become a trusted name, known for superior quality, punctual delivery, and innovation. Our passion drives us to deliver excellence in every project.

START

Process flow chart

Enquiry: Enquiry is critical and specific requirements are taken care of during estimation. If required, we provide site visit as well.

Estimation: A detailed cost estimation is prepared for the project.

Discussion: Our team provides comprehensive support to guide the clients through the process.

Purchase Order: All the orders are techno commercially verified and accepted, followed by issuing of work order number.

Design & Drawing: Our experts create precise designs and technical drawings for approval.

Approval from Client: Client's, feedback / comments are compiled. After client's approval, it is issued for production and procurement.

Manufacturing of Panels: Panels are manufactured as per high quality standards.

Internal Testing: The panels are rigorously tested, according to the approved drawings and working philosophy given by the client.

Client Inspection (FAT): Clients visit for panel inspection to ensure the production is as per their requirement.

Dispatch: Panel is thoroughly cleaned and packed and dispatched.



PCC Panels

M.D. Industries presents high-quality PCC panels, designed for optimal performance and to meet the diverse process control and automation needs of various industries. Our panels are crafted according to customer specifications and industry standards.

Key Features:

- ❖ **Amp Rating:** Up to 6300 Amps
- ❖ **Busbars:** Aluminum / Copper for superior conductivity
- ❖ **Precision:** Dimensionally accurate for seamless integration
- ❖ **Modular Design:** Compartmental structure for easy maintenance
- ❖ **SCADA Compatibility:** Integrated for efficient communication and control
- ❖ **Customized Distribution:** Tailored feeder distribution to meet specific needs
- ❖ **Durability:** Shockproof, abrasion-resistant, and designed for demanding environments
- ❖ **Weatherproof Options:** Available for harsh outdoor conditions
- ❖ **We offer PTTA (Partially Type Tested Assemblies) and TTA (Total Type Tested Assemblies):** Trust M.D. Industries for reliable and high-performance PCC panels that elevate your automation and control systems.



MCC Panels

M. D. Industries offer a wide range of MCC panels used for power distribution in various industrial sectors, integral to operations in refineries, chemical plants, pharmaceuticals, and other industries. We offer both standard and custom-built solutions tailored to meet specific client requirements.

Key Features:

- ❖ **Application:** Designed for LT motor feeders
- ❖ **Customization:** Available in VFD, Soft Starter, or Contactor-based designs, based on your needs
- ❖ **Design Options:** Compartmentalized or Integral design for flexibility, Fixed and Draw out type, single front, double front etc
- ❖ **Compliance:** Conforms to Various IS and IEC standards for quality and safety
- ❖ **Maintenance-Friendly:** Ample space for easy access and upkeep
- ❖ **Advanced Control:** Digital control system with built-in temperature indicator and regulator for precise monitoring

Choose M.D. Industries for reliable and tailored MCC panels that optimize power distribution and enhance operational efficiency across your industrial processes.



APFC Panels

M.D. Industries specializes in the manufacturing of high-quality APFC (Automatic Power Factor Correction) panels, designed to optimize power factor efficiency. We offer reliable performance with precise reactive power control via a smart APEC relay.

Key Features:

- ❖ **Capacitors:** Available with MPP-APP type capacitors, with or without reactors, depending on system requirements
- ❖ **Customization:** Contactor -Thyristorized or SVG (Hybrid model) panel options available
- ❖ **Technology:** Advanced microcontroller technology for precise p.f. control and monitoring
- ❖ **Flexibility:** Auto/Manual selection option for versatile operation
- ❖ **Optional Features:** Detuned filters can be provided to meet specific system needs

We offers tailored APFC solutions, backed by exhaustive studies, ensuring the best possible configuration for your system's power factor management.



PLC & VFD Control Panels

M.D. Industries offers advanced PLC and VFD-based control panels. Our panels include AC/DC drives, power components, and custom logic systems. We collaborate with clients to understand machine logic and provide cost-effective, efficient solutions.

Key Features:

- ❖ Custom logic design tailored to client needs
- ❖ Cost-effective and efficient panel solutions
- ❖ Comprehensive operational and maintenance documentation
- ❖ Option to replace PLC with contactor/relay logic
- ❖ Flexible operating desk options with or without power control

Choose M.D. Industries for reliable, high-performance control panels that optimize your operations.



SCADA & Automation Work

M.D. Industries delivers advanced SCADA & automation systems to enhance industrial efficiency, control, and integration.

Key Services:

- ❖ Custom SCADA Systems - Real-time monitoring & automation for peak performance.
- ❖ Automation Solutions - End-to-end process & industrial automation.
- ❖ Data Analytics - Powerful insights for smarter decision-making.
- ❖ Remote Monitoring - Control operations from anywhere, reducing downtime.
- ❖ Seamless Integration - Customized solutions for smooth system compatibility.
- ❖ Maintenance & Support - Training, documentation & ongoing assistance.



Bus Duct

Experts in Control Panel & Bus Duct Manufacturing

We specialize in manufacturing high-quality bus ducts, designed for efficient and reliable power distribution in commercial and industrial setups. Our bus ducts are enclosed in robust sheet metal and contain metallic busbars that conduct electricity seamlessly to power cables or cable buses.

Key Features:

- ❖ Capacity up to 6000 Amp
- ❖ Available in Copper or Aluminum Bus
- ❖ Suitable for Indoor & Outdoor Use
- ❖ Equipped with a Digital Control System
- ❖ Integrated Temperature Indicator & Regulator

With precision engineering and a commitment to excellence, we deliver customized control panels and bus ducts that meet industry standards for safety, durability, and performance.

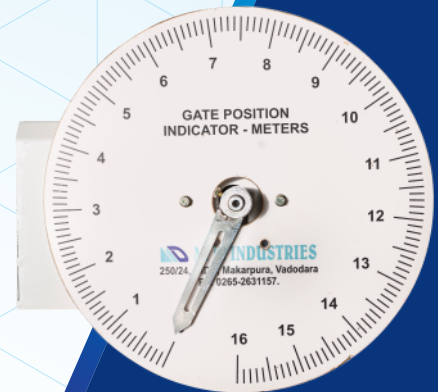


The Gate Position Indicator (GPI)

The Gate Position Indicator (GPI) is a robust and precise instrument designed to measure and display the position of gates in meters. The analog dial ensures accurate readings for operational control and monitoring.

Key Features:

- ❖ **Analog Dial Display:** Provides clear and accurate readings of gate positions in meters, ranging from 0 to 16.
 - ❖ **Sturdy Construction:** Built with durable materials to withstand industrial environments.
 - ❖ **Customizable Options:** The dial can be customized with specific scales and legends to meet unique operational needs.
 - ❖ **SCADA Compatibility:** Can be integrated into SCADA systems for enhanced remote monitoring and control.
 - ❖ **Reliable Operation:** Designed for high reliability in various industrial settings.
- For precise gate position monitoring, trust M.D. Industries to deliver quality and durability tailored to your operational requirements.



Other Products

- ❖ MIMIC Panels
- ❖ Marshalling Box, Fan control Cubicle and RTCC Panels for Transformer
- ❖ All kind of Panels from Stainless Steel/ Aluminum
- ❖ Flameproof panels using certified FLP enclosures for Hazardous areas
- ❖ Receptacle Panels (Indoor and Outdoor type)
- ❖ Integration Using Polycarbonate and FRP enclosures especially for chemical areas

Process Machinery with Us

Machinery is the backbone of any industry, and good machinery is essential for producing the best products. We have the best machinery for the most important part of panel manufacturing: Sheet Fabrication and Busbar Fabrication.

For Sheet Fabrication, we have a CNC Laser Cutting Machine and a Synchronized Hydraulic Press Brake Machine with ample capacity. For Busbar Fabrication, we use a PLC-based Busbar Fabrication Machine.



**Fiber Laser
Cutting Machine**
1500W, size: 3mtrx1.5 mtr



**PLC Based Busbar
Fabrication Machine**
220mmx15 mm capacity



**CNC synchronized
Hydraulic Press Brake**
80T, 3mmx3000mm capacity

Our Clients



Testimonial

M. D. Industries offer each product at a competitive price. Their credibility and service gives us the feeling of 'Value for Money' for the control panels.

Allchem Lifescience Pvt Ltd

We appreciate the high quality of the panel and exceptional service during installation. Your commitment to delivering the best product and support is commendable, and we are truly grateful for your efforts.

Signify Innovations India Ltd.

The customer support and after sales service of M. D. Industries is satisfactory. In case of any technical glitch, the issue is swiftly resolved. We were impressed by their services both in terms of customer support and technical assistance.

Bansal Roofing Products Ltd.

Our demanding specifications were duly addressed and M. D. Industries came up with automation panels exactly as what was expected.

Villas Transcore Ltd.



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