



Quality is our **Commitment**



Manufacturer of Electrical Panels

Elcop Controls

An ISO 9001:2008 Certified Company



Elcop Controls was established by a qualified electrical engineer in 1996 from a manufacturing facility of just 1000 sq. ft.. We have started our business activity with a humble turn over of just 20 lacs in first financial year. Now, We are continuously reaching the new heights with a substantial growth every year. We have developed our modern manufacturing facility of 16500 sq. ft. by adopting innovative techniques to meet customer's continuously changing requirements. Our team of talented employees emphasize to supply Quality Product in the field of electrical Engineering to achieve total customer satisfaction through Quality management System ISO 9001 : 2008.

We are the authorized System Integrator for L&T make Drive & PLCs. We provide automation solutions through our versatile automation products like:

- **Soft Starter**
Range 10HP to 1072 HP
- **Variable Frequency Drives (VFD)**
Range 0.5 HP to 475 HP
- **Programmable Logic Controller (PLC)**

All L&T products bear certification from the international standards.

Elcop with L&T offers at your doorstep the following.

- Comprehensive service support for your operations
- World class hardware at most competitive price.
- Best & latest solutions from worldwide experience.
- Dedicated approach for fast response

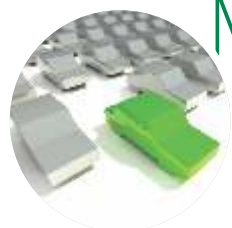


Quality is our Commitment



Vision

"To achieve regional domination and establish a National presence in Electrical Panel Manufacturing with an efficient and dynamic core structure offering a quality product & differentiated service."



Mission

"To provide a world class product, innovative solutions, differentiated service & total customer satisfaction."



Values

We strongly believe in high moral ethics to maintain quality of products with a competitive pricing. We are committed to achieve desired goals with the parallel development of each individual of our company .



Whatever the product we deliver to our customer is subject to exceptionally high standards of quality that we have set for ourselves and as per the demands of the industry.

Our experience, expertise, enthusiasm and positive attitude towards work results into production of top quality Panels. Elcop Controls continually upgrades production facilities and technical skills to develop innovative, dependable, highly reliable and cost effective solutions to your power problems.

Quality workmanship, competitive pricing, timely delivery and responsive friendly service are the cornerstones of the Elcop Controls' business. We can fabricate, assemble, and wire the panel to any size or configuration based on customer's requirements. Power panels are manufactured in consideration with all safety measures needed for persons and properties.

Pre-Manufacturing Approval

As per clients requirements and specifications, General Arrangement drawing with foundation details, single line diagram and wiring drawing are submitted for approval before manufacturing of each of the products. The drawing are prepared keeping in mind of national and international standards related to switch gears and panels with the help of latest AutoCAD software and a skilled operator.



Surface Treatment

We have 7/9 - Tanks process as per IS 6005. The Tank size are 2600 (L) x 2600 (W) x 1250 (D) mm. All the chemicals are duly controlled for its chemical properties at our test lab to achieve the best of the surface treatment on sheet metal parts. Due to this treatment the Phosphating layer is developed on sheet metal of panel which not only prevents the panel against corrosion but also results in a superior finished product.



Painting & Powder Coating

We have spray painting facility as well as in house Powder Coating facility with oven size 2600 (H) x 2900 (D) x 1780 (L) mm to meet larger sections of panels. We provide Powder Coated panels are having longer life even in corrosive environment of industries. The best of the outlook is achieved through powder coating.



OUR MANUFACTURING CAPABILITIES

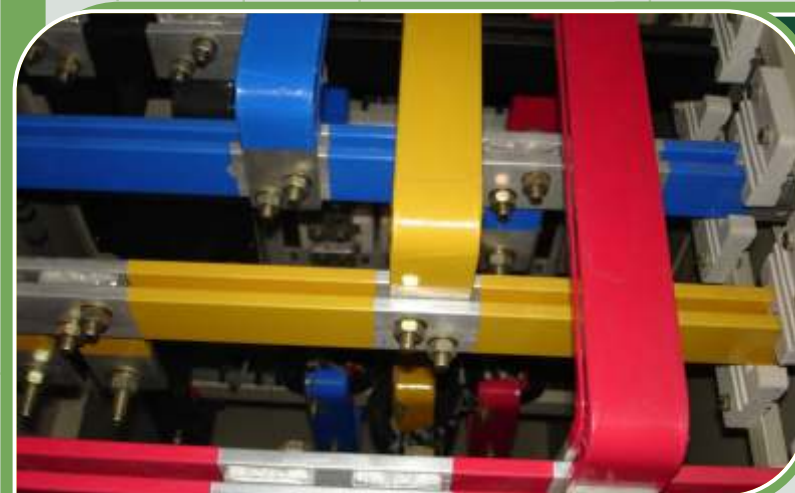
Fabrication

We have a fabrication facility which is equipped with a 60 ton capacity Hydraulic Shearing machine for uniform cutting and a 100 ton capacity Hydraulic press Brake machine for also equipped with other machines for Grinding, Drilling, Corner cutting and Welding. We strictly follow the standard of metal enclosed switchgear considering degree of protections as per IS 375, IS 2174 & IS 3427. The skilled machine operator and trained fabricator works day and night to achieve the production targets.



Busbar Bending & Assembly

Our panels are completely assembled and wired as per latest standards of IS 375 & IS 5578 considering all major safety aspects like busbar sleeving, busbar supports, safety shutters, earthing and door locking arrangement. The horizontal busbar, vertical busbar and incoming links are totally sleeved with heat shrink PVC which ensures protection against accidents due to tracking caused by dust, humidity and vermin.



Wiring

Power and Control wiring is carried out as per scheme as well as selecting proper size of wire as per requirement. Rigorous in - house quality checks during wiring is imposed to achieve perfect traceability and identification. Extensive care is taken for labeling, gasketing and ferruling. The cross ferruling on the long lasting thermal sleeve is a code of practice for panel wiring with the help of latest printers.



CNC Turning Centre

CNC lathe is the diversified innovation of Elcop Controls's business. The CNC lathe is indigenously designed to suit Customer's requirement of fast production in the field of engineering parts manufacturing needed in several industries. This lathe is ideally suitable for producing precision components in mass which will help to increase productivity in this competitive market.

The lathe is developed based on customers feedbacks & incorporating our own innovations. This lathe reduces non-productive time of manpower who use the conventional lathe by adopting auto tool changer.



OUR MANUFACTURING CAPABILITIES

Quality Policy

Testing

Even though all panels are manufactured in accordance with Indian Standards, they are thoroughly checked for routine tests, operation test, megger test using calibrated test before dispatch.

Panels are Type of Tested CPRI Bhopal For

1. Degree Of Protection IP 55
2. Short Circuit Withstand test 65 KA for 1 Second
3. Short Circuit Withstand test 50 KA for 1 Second



IT IS OUR COMMITMENT TO PROVIDE QUALITY PRODUCTS TO OUR CUSTOMERS REQUIREMENTS AND ENHANCE THEIR SATISFACTION.

IT WILL BE ACHIEVED THROUGH ESTABLISHED QUALITY OBJECTIVES AND REVIEWS IN LINE WITH INVOLVEMENT OF ALL EMPLOYEES AND EFFORT FOR CONTINUAL IMPROVEMENT.

Date: 01/07/2010

BAKUL K SHAH
Proprietor

QUALITY OBJECTIVE

- TO IMPLEMENT AND MONITOR QUALITY MANAGEMENT SYSTEM ISO 90001 : 2008.
- TO DEVELOP COMPETENCE OF EMPLOYEE BY PROVIDING NECESSARY TRAINING.
- TO ENSURE EFFECTIVE CUSTOMER CARE SERVICE.



Our Distinguished Customers

- ▶ Gujarat Narmada Valley Fertilizers Co. Ltd.
- ▶ Shriram Alkalies and Chemical Ltd.
- ▶ Praxair Pvt. Ltd.
- ▶ Rajdeep Electricals Pvt. Ltd.
- ▶ Sanofi Aventis Ltd.
- ▶ Reliance Industries Ltd.
- ▶ United Phosphorus Ltd.
- ▶ Bayer Cropseave Ltd.
- ▶ Videocon Narmada Glass Ltd.
- ▶ Cadila Pharmaceutical Ltd.
- ▶ Hindalco Industries Ltd.
- ▶ Gujarat Alkalies & Chemicals Ltd.
- ▶ Wockhard Ltd.
- ▶ Geetu Engineering Pvt. Ltd.
- ▶ Pidilite Industries Ltd.
- ▶ Pepsico India Holdings Ltd.
- ▶ Swil Ltd.
- ▶ Thermax Ltd.



Major Project Consultant Through whom we have Supplied the Panels

- ▶ Engineers India Ltd.
- ▶ Uhde India Ltd.
- ▶ Tata Consultancy Services
- ▶ Linde Process Technology Pvt. Ltd.
- ▶ Knever Powergas Ltd.
- ▶ Unik Engineering Services
- ▶ Mott Macdonalds Consultant
- ▶ S. M. P. S.
- ▶ Jacob H & G. Ltd.
- ▶ Power System Consultant
- ▶ Dev Techno Skill
- ▶ K. K. Projects

Our Range of Products

- ▶ Motor Control Centre Panel
- ▶ Power Control Centre Panel
- ▶ Control Relay Panels for Substations
- ▶ Instrument Panel
- ▶ R.T.C.C. Panel For Transformers
- ▶ P.L.C Base automation Panels
- ▶ Mimic Panels
- ▶ Meter Panels
- ▶ Busbar Panels
- ▶ Lighting Distribution Boards (AC/ DC)
- ▶ Feeder Pillar Panels
- ▶ Control Transformer Panels
- ▶ Street Light Operation Panels
- ▶ Panels For Plug Socket
- ▶ Capacitor Banking Panels
- ▶ Automatic Power Factor Improvement Panel
- ▶ Auto Mains Failure Panels
- ▶ Variable Frequency Drive Panels
- ▶ Cyclic Load Energy Saving Panels
- ▶ Control Desk Panel
- ▶ Draw-Out Panels
- ▶ DC Starter Panels
- ▶ Thyristorised APFC Panels
- ▶ Winch Control Panels



LARSEN & TOUBRO
It's all about Imagineering



Elcop Controls

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