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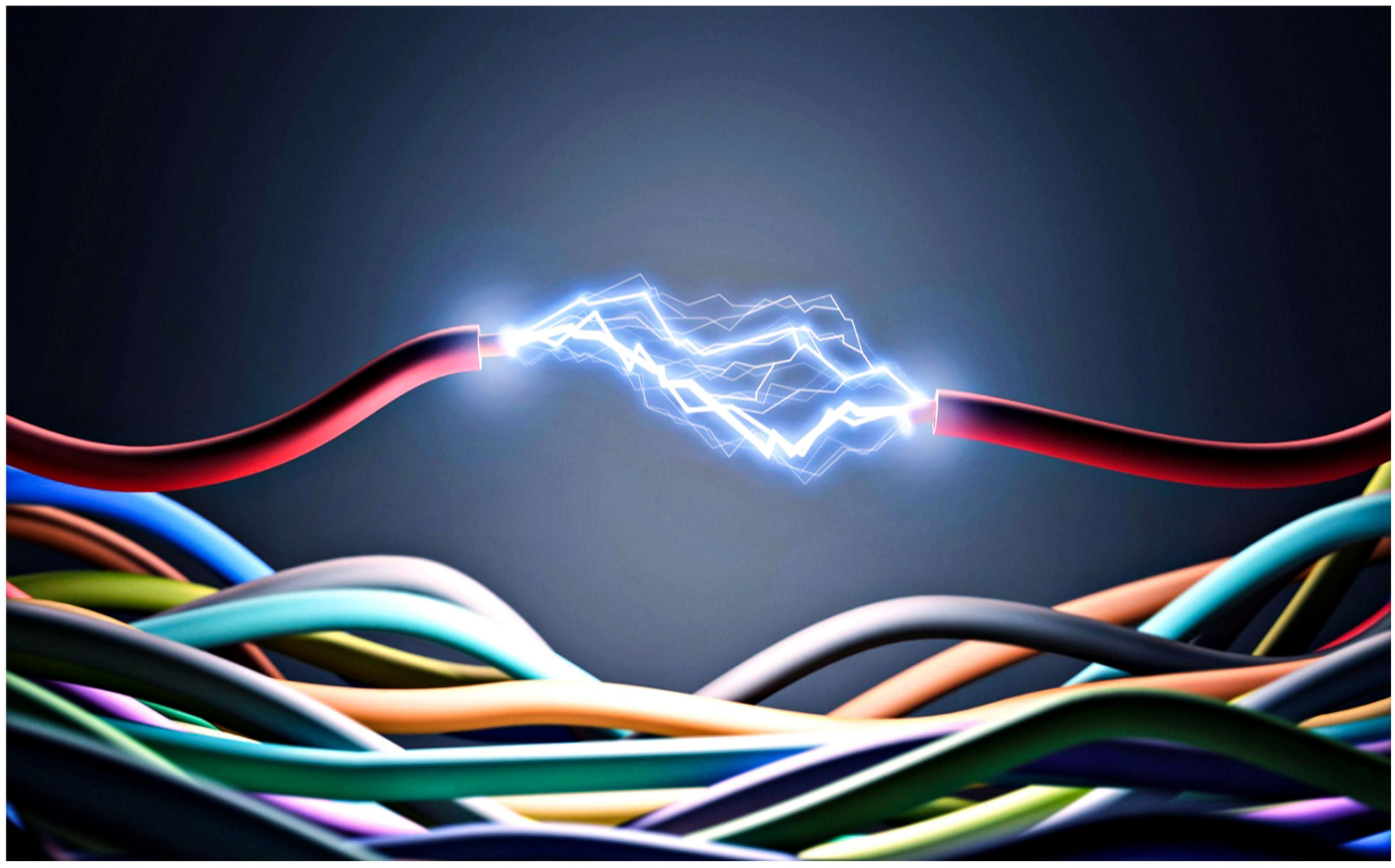

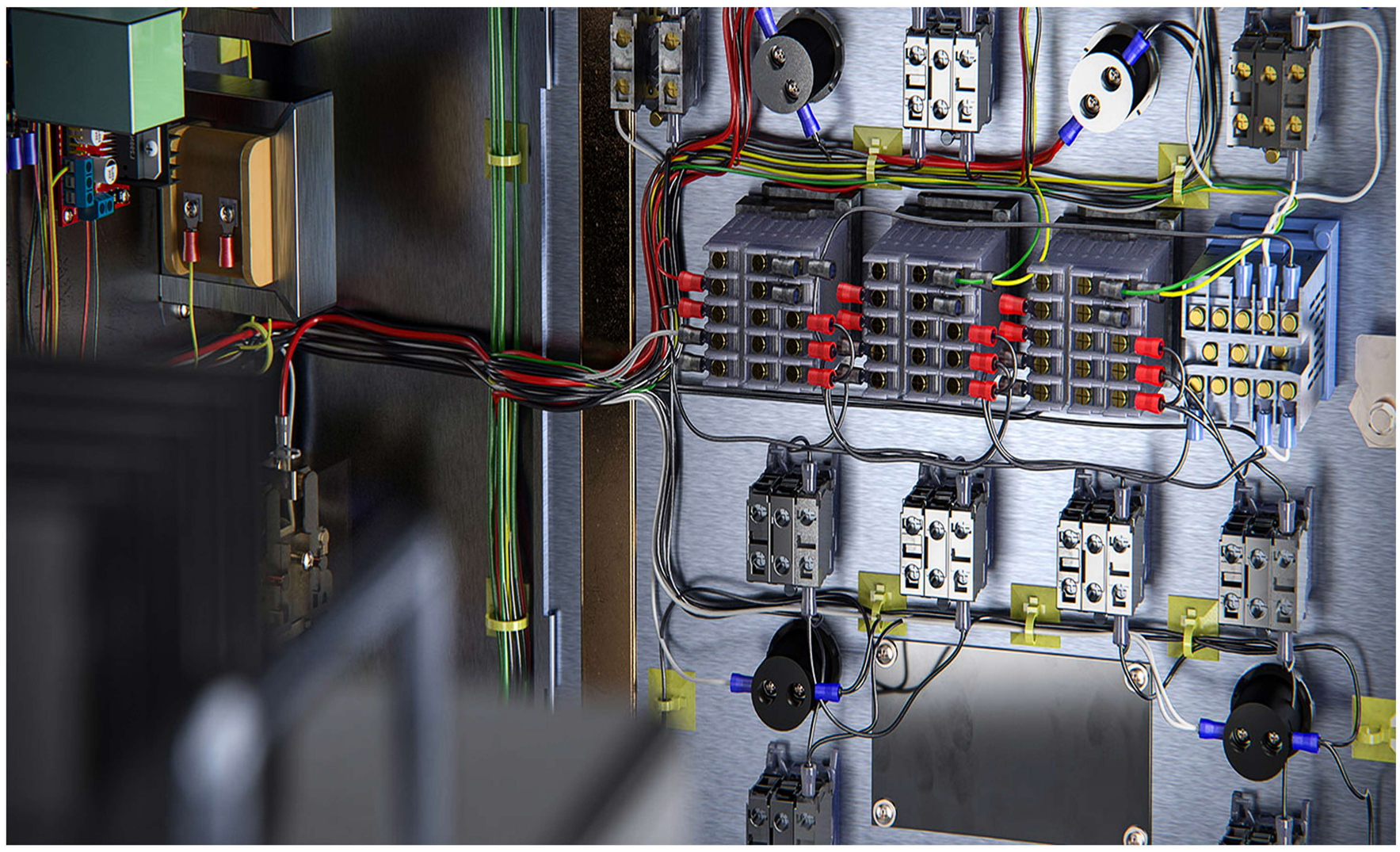

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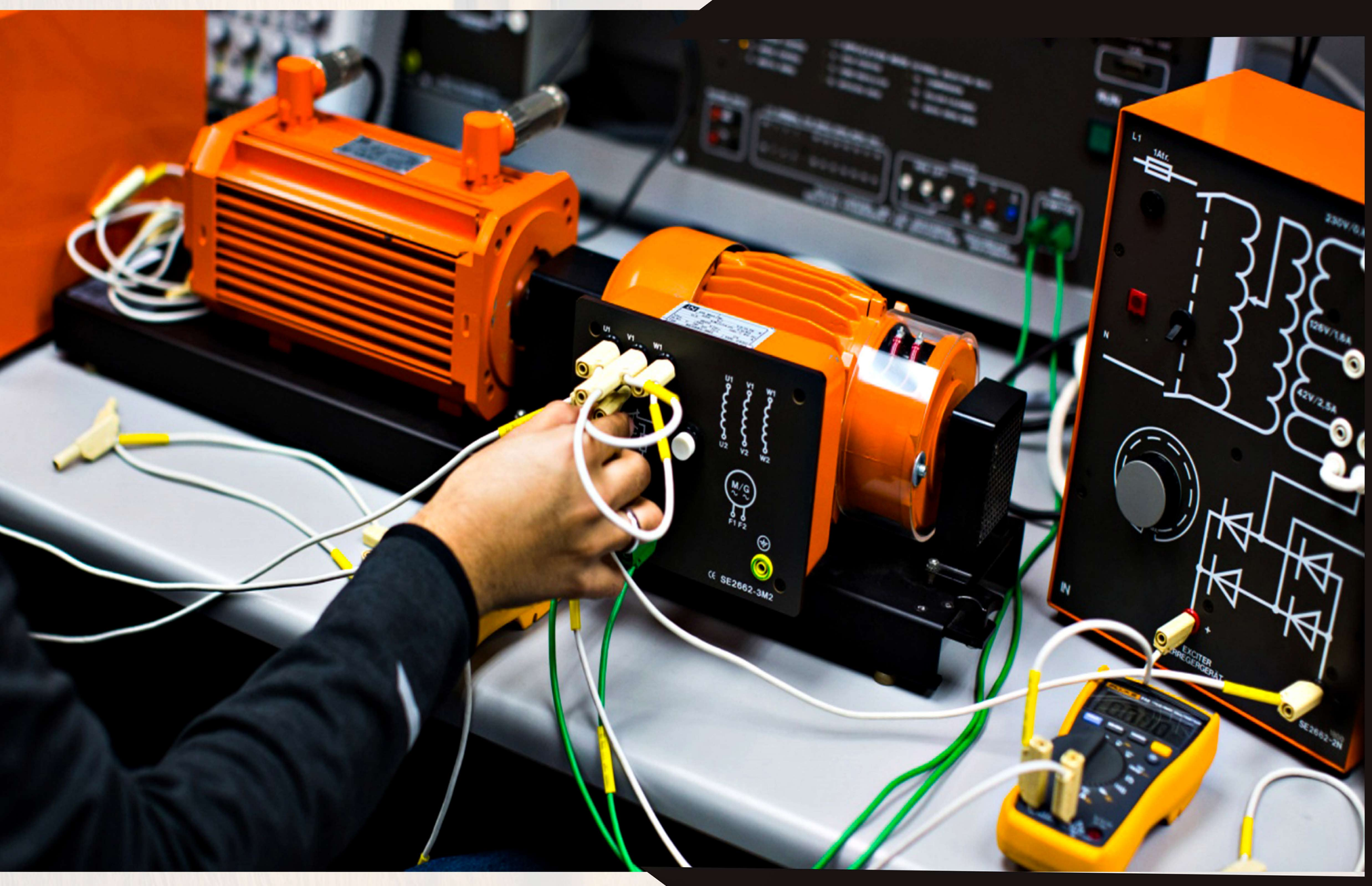

End To End Product Solutions

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Relationship built on trust

Why Space Age ?

The major strength of **Space Age Electrical** is our ability to fast turn around time leading to significantly faster product delivery compared to our competitors. Efficient synchronization, communication and control over each process across various functions and facilities has rendered this possible.

In today's fast paced world, having the right part can mean the difference between "on-time" and "off-line". The company is fast growing from the time of its establishment due to its capacity of providing customized solution in the field of Electrical . The products & services are carefully selected to meet the vision and mission of the Company .

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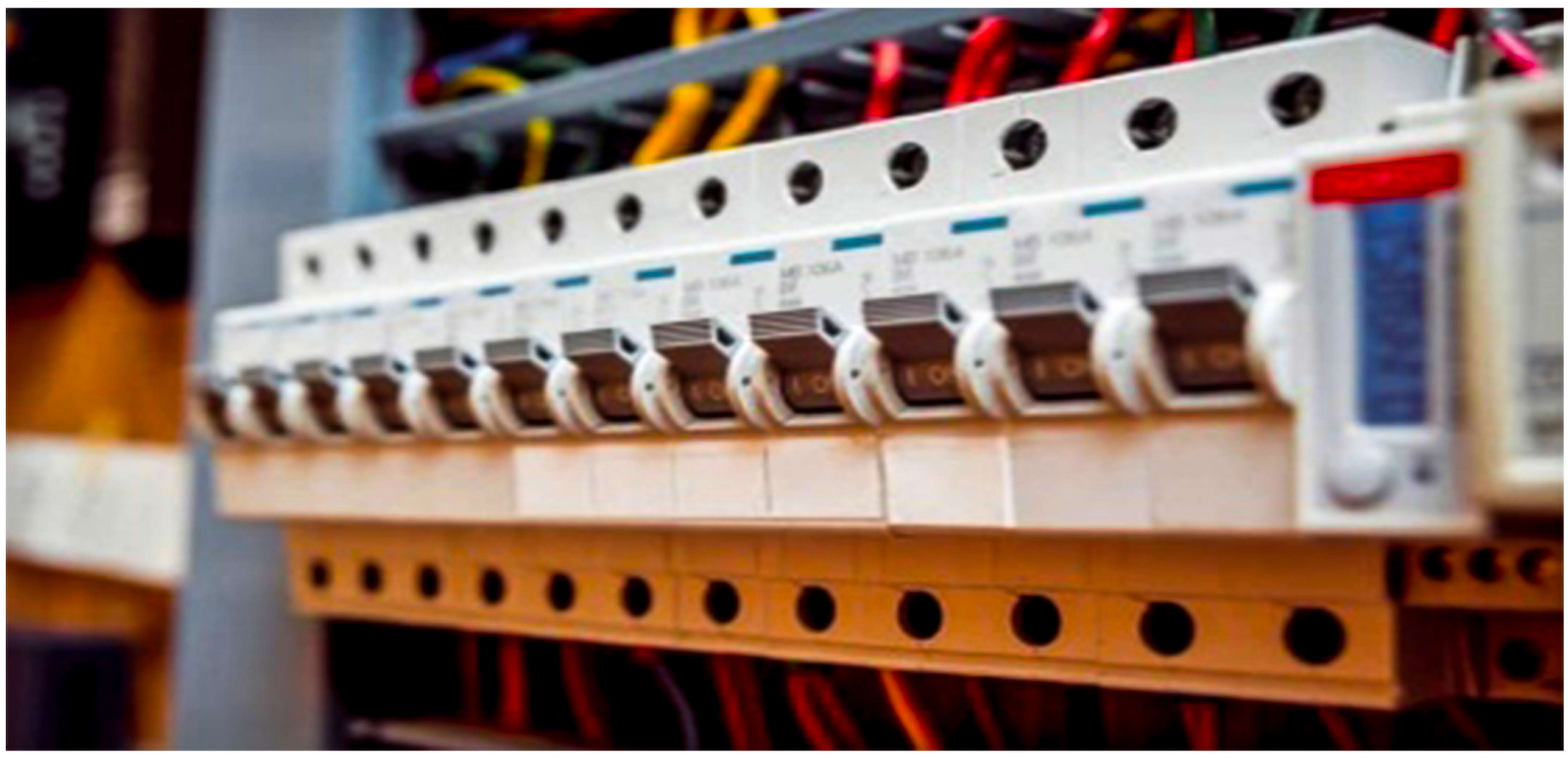
Circuit Breakers :-



A circuit breaker is a switching device which can be operated manually and automatically for controlling and protecting an electrical power system.

According to their arc quenching media the circuit breaker can be categorized as:

1. Oil circuit breaker
2. Air circuit breaker
3. SF6 circuit breaker
4. Vacuum circuit breaker

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Programmable Automation Controller :-

Multi-domain functionality– logic, motion, continuous control systems can be designed with the same hardware platform.

Single multi-discipline development platform– with data tags in a common database.

One tool for every programming task—control logic, motion control, HMI design for more than one machine in a process.

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Switches :-

Fuse Switches :-

The fuse breaks the circuit if a fault in an appliance causes too much current to flow. This protects the wiring and the appliance if something goes wrong.

1. DC Fuses
2. AC Fuses
3. Cartridge Fuses
4. D – Type Cartridge Fuse
5. HRC (High Rupturing Capacity) Fuse or Link Type Cartridge Fuse
6. High Voltage Fuses
7. Automotive, Blade Type & Bolted Type Fuses
8. SMD Fuses (Surface Mount Fuse), Chip, Radial and Lead

Pressure Switches :-

Pressure Switches are Designed from Vaccum to Pressure.
The most important component for controlling pressure is the sensing element.
Pressure sensors for both metallic and elastomer are suitable for most applications.

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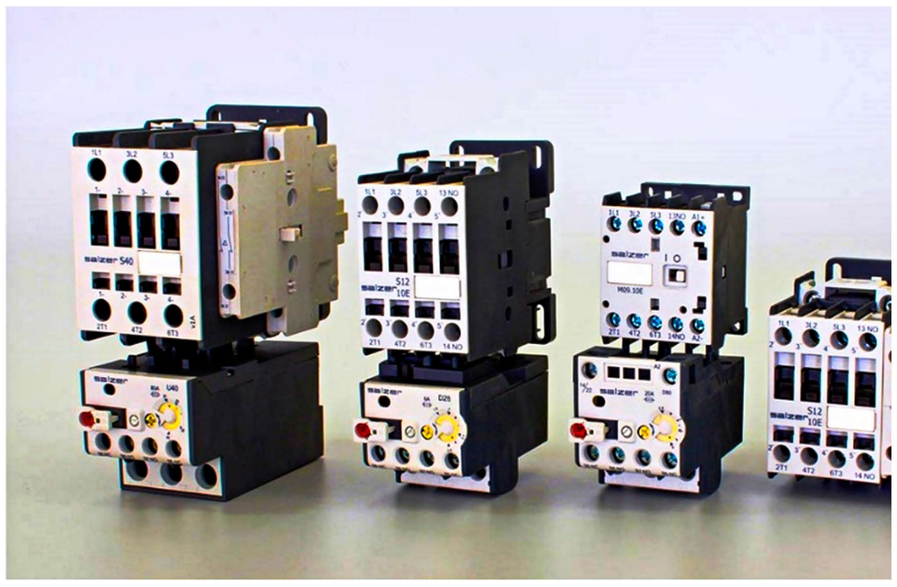
Contactors :-

A contactor is an electrical device which is used for switching an electrical circuit on or off.

Contactors are most commonly used for controlling electric motors. There are different types of contacts in a contactor, and they are auxiliary contact,power contact, and contact spring.



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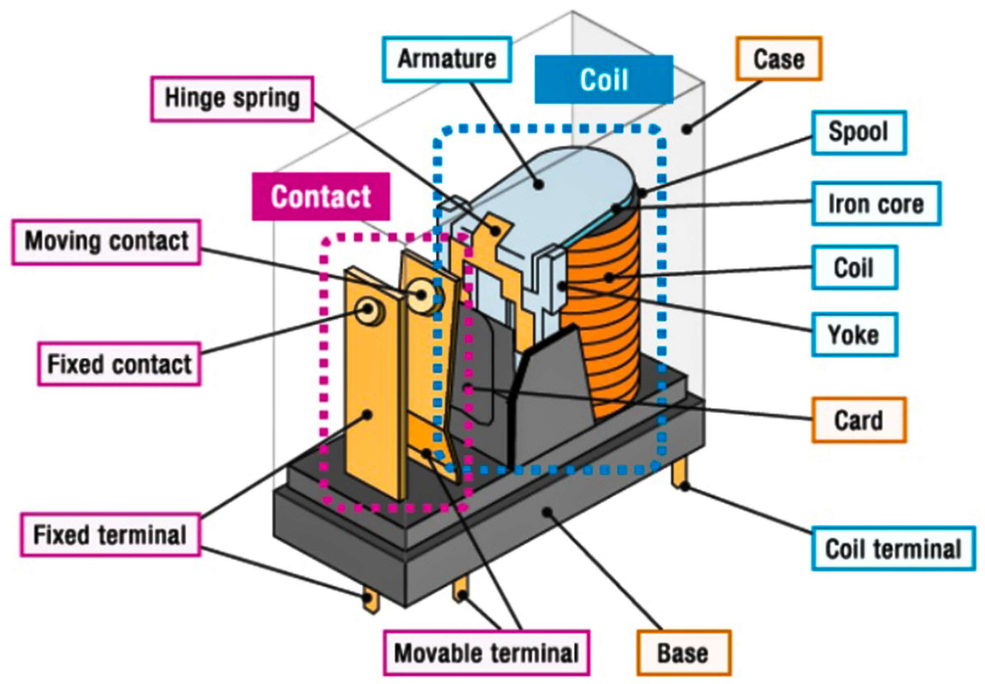
Relays :-

Relays are switches that open and close circuits electromechanically or electronically.
Relays control one electrical circuit by opening and closing contacts in another circuit.
Relays are used where it is necessary to control a circuit by an independent low-power signal, or where several circuits must be controlled by one signal.



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Actuators :-

An actuator is a device that produces a motion by converting energy and signals going into the system.

Types :-

1) Mechanical actuators
2) Pneumatic
3) Linear actuators
4) Electromechanical Actuator
5) Electrohydraulic Actuator
6) Linear actuator

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Transformers :-

Control Transformers :-

A control transformer is a transformer which supplies power to control & auxiliary equipments which are not intended for direct connection to the main circuit .

Control Transformers are cost effective approach to supply low voltage Recreational Lighting, Light duty industrial including relay low voltage circuit control circuit of A.C. Motors.

Designed to ensure good regulation at short time loads.

Current Transformers :-

Current Transformers are high-performance measuring units that are designed for the measurement of current flowing in another circuit.

These industrial-grade monitoring devices are designed by team of highly skilled professionals by using premium class materials and advanced technologies that make them free from manufacturing flaws that ultimately leads to longer service life.

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Variable Frequency Drive :-

A variable frequency drive (VFD) is a type of motor controller that drives an electric motor by varying the frequency and voltage of its power supply.

The two main features of variable frequency drive are adjustable speeds and soft start/stop capabilities. These two features make VFD's a powerful controller to control the AC motors

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Cables :-

Power Cables :- A power cable is an electrical cable, an assembly of one or more electrical conductors, usually held together with an overall sheath.

Types :-

1) Coaxial cable – used for radio frequency signals, for example in cable television distribution systems.
2) Communications cable
3) Direct-buried cable
4) Flexible cables
5) Heliax cable etc.

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Wires :-

Enamelled Copper Wire (Magnet Wire) is an insulated copper (or aluminium) electrical conductor used in motors, transformers and other electromagnetic equipment.

Types :-

1) Polyvinyl formal enamelled copper wire
2) Polyurethane enamelled copper wire
3) Polyester enamelled copper wire
4) Polyester-Imide enamelled copper wire
5) Polyester-Amide-Imide enamelled copper wire
6) Polyurethane with self bonding dual coated enamelled copper wire.

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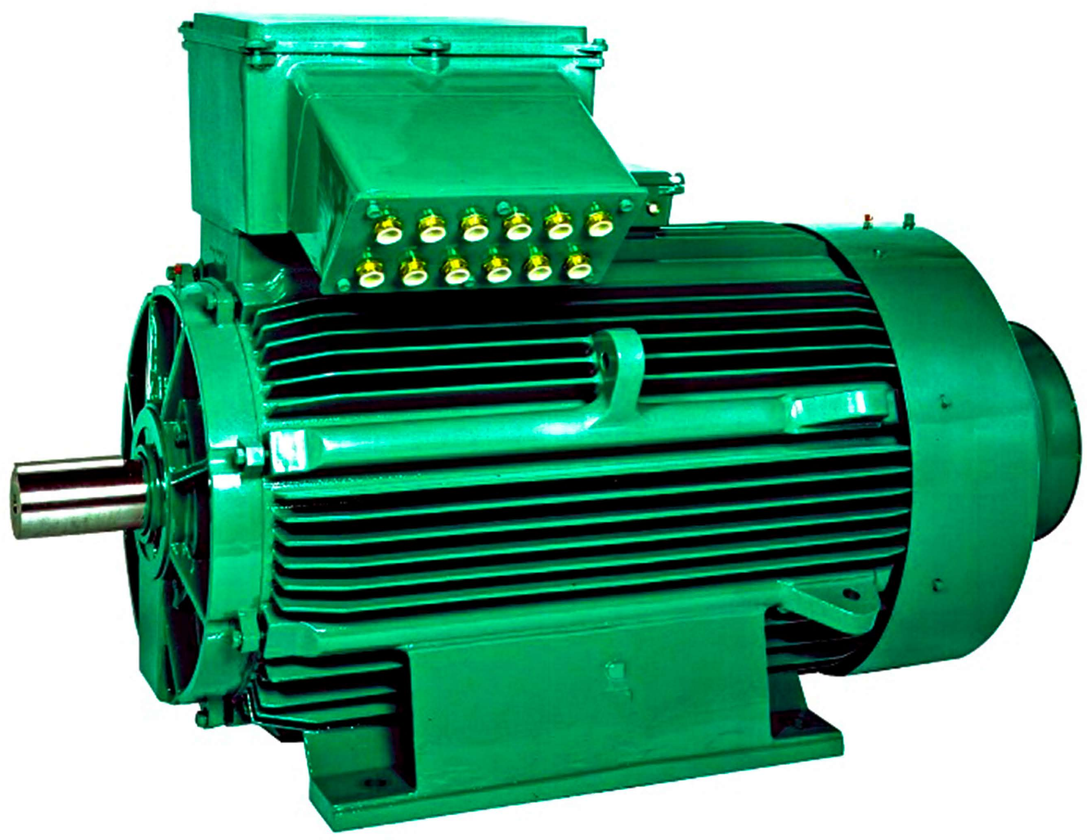
AC motors :-



An AC motor is an electric motor that uses alternating current to produce mechanical energy using magnetism blended with alternating current. The structure of an AC motor includes coils that produce a rotating magnetic field inside a rotor attached to an output shaft, which produces a second magnetic field.

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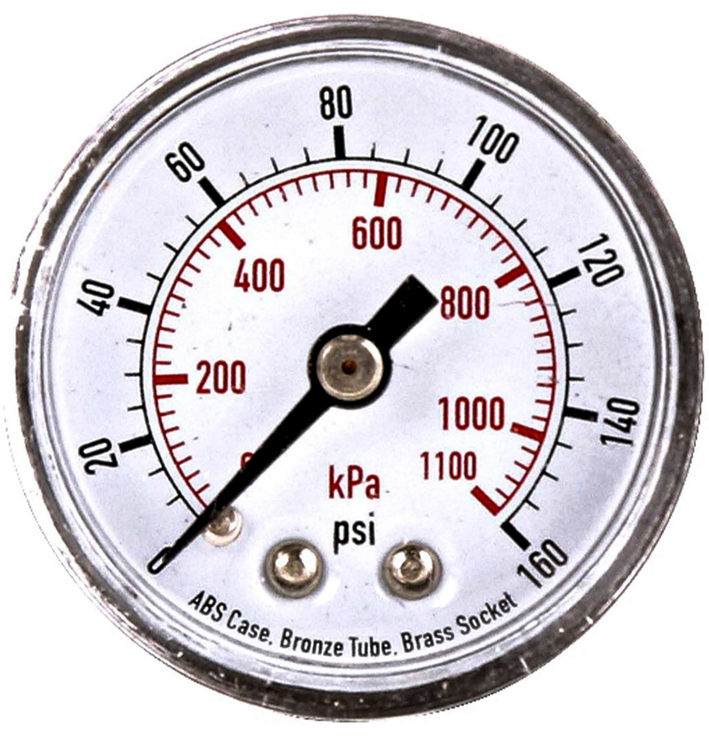
Pressure Gauge :-



Pressure gauges are an essential instrument used by industry to measure the pressure in a system as a quality check measure and to ensure the consistency of products.

For reasons of safety, pressure gauges monitor fluids, gases, and steam for leaks or a build up of pressure in a system.

Types of Pressure Gauges :-

1) Bourdon Tube Pressure Gauge
2) Diaphragm Pressure Gauge
3) Capsule Pressure Gauge
4) Absolute Pressure Gauge
5) Differential (DP) Pressure Gauge
6) Bellows Pressure Gauge
7) Manometer Pressure Gauge
8) Piezometer Pressure Gauge

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Switch Gear :-

Switchgear refers to a centralized collection of circuit breakers, fuses and switches (circuit protection devices) that function to protect, control and isolate electrical equipment. The circuit protection devices are mounted in metal structures.

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Capacitors :-

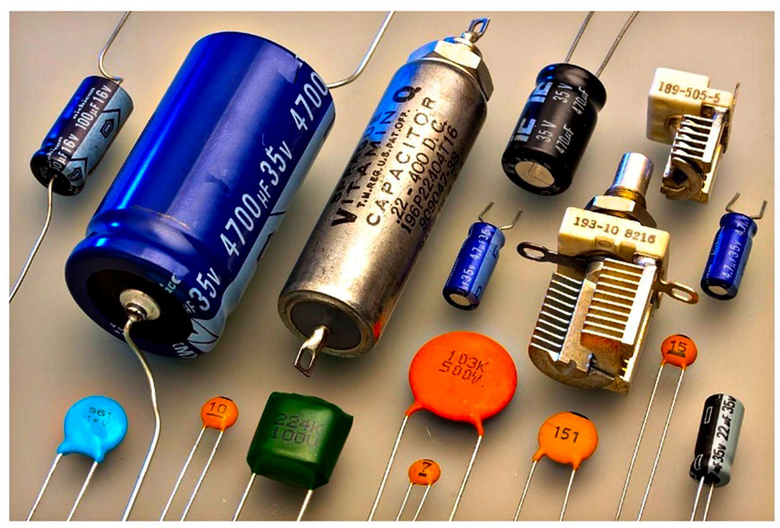
>> The capacitor is manufactured by using electrical grade double side hazy biaxially oriented PP film interleaved with soft annealed high purity aluminium foil as its electrode.

>> The capacitor is impregnated under high vacuum with electrical grade non-PCB insulating fluid.

>> Increase supply efficiency.

>> Improve power quality.

>> Reduce cost of electricity.



>> Reduction in burden on transformer.

>> Decreasing Voltage drop.

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Transmitter :-

Transmitters usually contain a sensor and all the relevant electronics to convert the change in sensor signal to a signal that can be transmitted to the real world.

1) Pressure Transmitter

>> Most commonly used.
>> Available in wide range.
>> Easily available for Installation

2) Temperature Transmitter

>> On-line measurement
>> Dedicated input
>> 2 wire system
>> 4 - 20 mA DC output
>> Cold junction compensation for thermocouple input
>> Head Mounting

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Proximity Sensors :-

Proximity Sensor" includes all sensors that perform non-contact detection in comparison to sensors, such as limit switches, that detect objects by physically contacting them.

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