



## *KALYANI INDUSTRIES*

**(INDUSTRIAL ENGINEERING & SERVICES)**

**Supply & Repairing of Industrial Electronic & Instrumentation Items**

401, Palaj Heights, Vrundavan Nagar, Vikhe Patil School Road, Kamatwade, Nashik - 422008

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### Textile Machine Spares & Services

#### Product Name



#### **Replacement spares Blow Room :**

We provide products like ERM photo cell with control unit, Multifunctional counter, All proximity sensors(Wire type & plug type), Photo electric sensors, Feed roller inverter(0.75 kw) and all other products against catalogue number. and We provide services like ERM photo cell with control unit, counter, Inverters(AC Drives).We Supply RPM Controller for feed roller to avoid frequent jam of feed.



#### **Replacement spares For LMW, Rieter, Trumac, Crossroll Carding Machine :**

We provide products like Sliver cut stop motion for C1/2,C1/3 machines, double lap stop motion for C1/2,C1/3 machines, Speed governors, front panel sticker and transparent buttons for LC100 machines, Cylindrical photo electric sensor for sliver cut, Omron sensor with/without amplifier unit.(E2 CA-X5A), inverters(2.2 kw,3.7 kw), Inductive proximity sensors for all machines, motor protection unit, coiler pneumatic cylinder reed switches (FESTO),magnehelic pressure gage (DWYER make) and all other products against catalogue number And We provide services like sliver stop motion unit, front display panel unit, allen bradley display unit and inverters (Fuji, Danfoss, Telemecanique...etc).



#### **Replacement spares For LMW, Rieter Drawframe :**

We provide products like Individual creel stop motion for short & long frames, Multifunctional counter, Eight way sensors for RSB851, Inductive proximity sensors, Photo electric sensors, Encoders (360 PPR 5V, 1200 PPr 5V), Encoder coupling, Servo motor coupling & all other products against catalogue number And We provide services like Photo cell control units and sensor , counter, rieter RSB851 all PCB's service & calibration, Electro magnetic clutch. Replacement to original parts of RSB Drawframe C4-C4A-C10 Cards and Component level electronics services.



### **Replacement spares Comber :**

We provide products like Multifunctional counter, Empty lap stop motion unit, Table condenser stop motion unit, Inductive proximity sensor & Inverter (AC DRIVE) And We provide services like Counter & Inverters (ABB Telemecanique, LG....etc).



### **Replacement spares Simplex :**

We provide products like Multifunctional counter, Front creel stop motion, Back creel stop motion, Inductive proximity sensors, Soft starters, Electro magnetic clutch & all other products against catalogue number, Rojtex photo sensor - 1660, PLC And We provide services like Counter, Front creel stop motion, Back creel stop motion, Soft starters, Electro magnetic clutch.



### **Replacement spares Sipining :**

We provide products like Multifunctional counter, Inductive proximity sensors, Inverters, Spped variation valves Y25, Y26 (FESTO), Surge voltage protection (PHOENIX CONTACT) , Operator panel - OP7 And We provide services like Counter, PLC's, Inverters (Fuji, Danfoss, Telemecanique...etc), Electro magnetic clutch, Operator panel - OP7.



### **Replacement spares Over Head Travelling Cleaner :**

We provide products like Transformer (PY-440v, SY-13, 28, 24v), Contactor(9A,24v), Carbon brush and holder (ANS200 & 300), Current collector, Fuses with plate, HRC Fuses (10A), Obstacle sensor, Inductive proximity sensor (2wire & 3wire), Cable (1.75 & 2.5), Push button (Red, Yellow, Green), DOL starter, PLC base control unit, Strip connector (input), Drive motor Assey. 150W, Fan (2.2/3kw), Thermister & all other products against catalogue number. And We provide service like Controller PCB.



### **Replacement spares Cone Winding :**

We provide products like Electronic ribbon breaker, Inductive proximity sensors, EYC cutting knife, Cover, Ceramic and Cable for C3, MICRO 2000&2010, FRC cabl & Connector, Contractor, MCB Push buttons And We provide services like Electronic ribbon breaker, EYC control unit for C3, MICRO 2000&2010, EYC measuring head for C3, MICRO 2000&2010.



### **Replacement spares for Schlafhort Autoconer 138, 238, 338, AC 5 :**

We manufacture a wide range of replacement spares for Schlafhort Autoconer 138 which is precision engineered using premium quality raw material. These are designed to comply with international standards and are known for their high productivity, corrosion and wear-resistance and durability.



### **Replacement spares for MURUTA MACHCONER 7II/7IV/21C MODELS :**

Our company manufactures a comprehensive range of replacement Spares for Murata Machconer 7II/7IV/21C models. We ensure that best raw materials are used in the production of these parts. Further, these are available in different dimensions as per the requirements of client. Competitively prices, our replacement spares are widely accepted in various textile mills with Murata Machconer 7II/7IV/21C models.



### Replacement spares for SAVIO ESPERO / RAS / ORION MODELS :

We manufacture extensive range of replacement spares for Savio Espero/Ras/Orion Models which include double torsion springs, textile machine spare parts, heavy duty torsion springs etc that are known for their superior performance and high quality.



### Energy Saving Fans :

Energy saving plays a vital role in each and every part of the textile industries. Our energy fans are different from other manufactures.

## Energy Monitoring and Control Equipment

### Product Name



### Panel Meters :

With our vast, fruitful experience in the field of manufacturing various electrical instruments, we present our clients with our unique instrument, Panel Meter. The product serve the purpose of measuring electrical quantities such as Current, Voltage, Power (Active, Reactive) or the Power factor of meter.



### Energy Meters :

We manufacture and supply optimum quality 'energy meter-logger', an instrument which is capable of measuring and displaying thirty six electrical parameters. Our energy meter also has the capability to log and store 1000 sets of five important parameters in internal memory. We can also customize the energy meter to increase the data logging facility for more than 1000 records on client request. The recording interval which is normally of one hour can be changed upon prior request of our clients.



### Multi Function Meters :

The Meters are easy to use, all function can be performed using the buttons in the front and they have a backlit LCD display



### Tariff Energy Meter :

The ever-increasing power tariff and states' penalties by the State Electricity Boards / Utility companies has forced the common users to install a power factor controller system. We manufacture Power Factor Controller that immensely helps in cutting of power factor penalty and energy saving by constantly keeping higher power factor. Poor power efficiency reaches you once there is Low Power Factor, thus enhancing the obvious power drawn from the distribution network.



### **Transducers :**

We are well-reputed dealer and supplier of Displacement Transducers. Our company offers excellent products with certain specification.



### **Trivector Meter / MD Controller :**

CONZERV's Multi-Function series instruments help you to reduce electrical energy bills through better management of electrical energy usage. The pay back could be less than a year! Special Features: True RMS,Crisp, High Visibility Display,Auto Scaling from Kilo to Mega, Quick & Easy Installation, Auto Scrolling of selected parameter, Data and settings retained upto 10 years under power failure, Communication with eLAN Energy Management System through optically isolated RS 485 serial port .



### **Power Factor Controller / Energy Saver :**

The ever-increasing power tariff and states' penalties by the State Electricity Boards / Utility companies has forced the common users to install a power factor controller system. We manufacture Power Factor Controller that immensely helps in cutting of power factor penalty and energy saving by constantly keeping higher power factor. Poor power efficiency reaches you once there is Low Power Factor, thus enhancing the obvious power drawn from the distribution network the distribution network.



### **Power Factor Control Panel :**

Ease of operation . Reliable, Trouble-free, Long life Special Systems for special applications Perfectly designed and manufactured for your application Controlled by Syntron COSROBOT TM APFC Relay Total service provided by our expert engineers The Panel provides all the necessary and sufficient facilities to implement a reliable and long life Automatic Power Factor Control System.



### **Harmonic Filter :**

They are used for improvement of power factor and part elimination of harmonics. They are combination of reactors and capacitors, suitably detuned. They are useful when distortion is 15 to 40 %.



### **Energy Management System :**

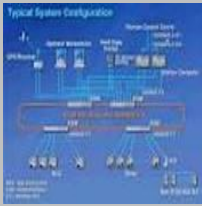
Energy management system helps an organization to achieve energy efficient through well laid out procedure and methods and in over all cost savings.



### **Energy Billing System :**

ICD Energy Billing System is totally indigenous SCADA software package designed for energy billing purpose.Data collection from meters are done through powerful SCADA software package and it provides user level security and privileges.





## Substation Automation System :

Monitoring And control the of Hv switchgear at MRS and substation,Air circuits breakers,logging of data from protection relay & control PLCs. Power and Energy monitoring from Energy meters and Multi function Meters.

## Automation, Instrumentation Products

### Product Name



#### Digital

#### Instument

:

We manufacture and export a wide range of electronic instruments and automation systems that are based on innovative technology. These instruments are offered in standard as well as specific configurations, as per clients' definite requirements. The range of our electronic instruments comprises of: MP Based Controllers (PLC), Motion Control Devices, Analogue Tachometer: Contact Non Contact Tachometer, Analogue / Zero / Under / Over Speed Controller, Hand Tacho Meter: - Portable 2-IN-1 Digital Photo / Contact - Non Contact tachometer,



#### SMPS/

#### DC-DC

#### Converter

:

We specialize in manufacturing various power supply units and power distribution units as per the industry standards and customer's specifications. Our power supplies are also known as power pack, DC to DC converter and switch mode power supply. All our units have latest and modern current mode PWM controller. Use of MOSEFTs and UFR diodes increases the reliability and efficiency of our power supply unit.



#### Incremental

#### Encoder

:

Incremental Encoders (Shaft I Hollow Shaft) - It generates a signal for each incremental change in position. Encoder diameter ranges from 30 to 76mm with push- pull I push-pull complementary I line driver (RS422) outputs are available Absolute Shaft Encoders - It assigns a unique, digitally encoded signal to each individual measured increment. Single turn as well as multi- turn types are available .



#### Coupling

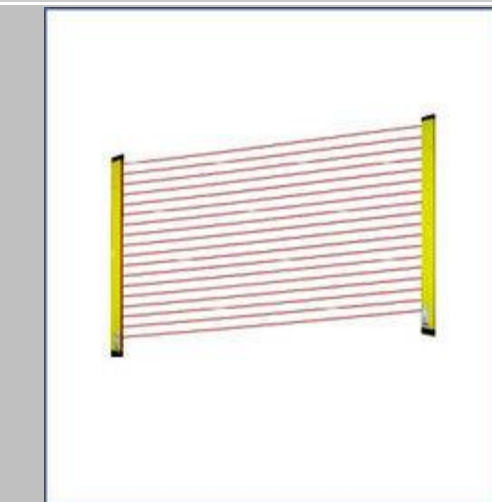
:

A huge experience of over 4 decades assists us in fulfill the customer's demands for specialized couplings in various configurations. Our range of couplings includes spiral coupling and bellow coupling. The flexible shaft coupling offered by us adjust itself to the angular, parallel and skew misalignment of the 2 shafts that are connected by it. These shafts also transmit torque and motion from one shaft to another.



### Sensor :

Since our inception 42 years ago, we have acquired specialization in manufacturing and exporting a wide assortment of over 300 sensors with small structures. Our compact sensors offered by us have following special features: Control unit for regular switches, High ambient temperature up to 120°C, Rectangular shape front/side plane sensing, Higher switching frequency, Different shapes such as ring type, fork type, plain cylindrical type and many others



### Safety Light Curtain :

We develop programmable safety light curtains which comprises of transmitter and receiver. These curtains have a solid state design and are offered with the guarantee of longer life and minimum maintenance. The instrument has separate transmitters & receivers of operating modulated beam mode, ensuring precise and reliable detection.



### Static Eliminator Electrode :

We offer a range of static eliminator and electrodes that are mainly used to achieve full output in the synthetic material processing. The importance of these products is evident from the fact that during the aforesaid process, when material is dry and speed is high, then at those operating speeds the voltage of charges increases so much that the entire process is completely disturbed. This results in prevention of full output and often sparking becomes troublesome, causing extreme dangers to the machine operators.



### Motor :

The AC Induction Motor is constructed in die cast aluminium of sturdy and non-vibrating design. This motor is provided with dust proof as per international standards.



### **AC/DC Tachogenerator :**

Our customers continuously appreciate the solutions offered by us for all types of AC/DC Tacho Generators or any other special electrical machine. The AC Tacho generators provide the AC voltage output proportional to the speed of its mover. Their main application areas include indication & display purposes. On basis of simple calculations, the frequency of 2 pole, 8 pole and 48 pole will produce 16.66 Hz, 66.66 Hz and 400 Hz, respectively.



### **Pressure Transducers :**

Unsurpassed performance thanks to CMOS technology; Offset and hysteresis free; Excellent accuracy and reproducibility even below 10 Pa; Fully calibrated and temperature compensated; Not sensitive to the mounting orientation; Sensor continuously monitors differential pressure between two ports; Integrated circuit converts differential pressure to electrical signal (0 - 10 V Or 4 - 20 mA); Optional micro controller based circuit available for future upgradation to connect with SCADA on MODBUS protocol; Conditioning/control circuit supplied in enclosure (IP-66).



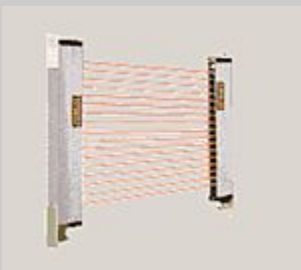
### **RH Temp. Transmitters :**

Controller and Instrumentation Group OF KATLAX has introduced a new range of Humidity cum Temperature Transmitters, available in wall mount version with display and duct mount without display. The company offers a series of RH and temperature transmitters, ideal for all applications where precise measurement of humidity and temperature is of decisive importance. Product description: sensor continuously monitors temperature and humidity; micro controller based product so future up gradation is possible; and conditioning/control circuit can be supplied in PCB form or in enclosure (IP-55) as per requirement.



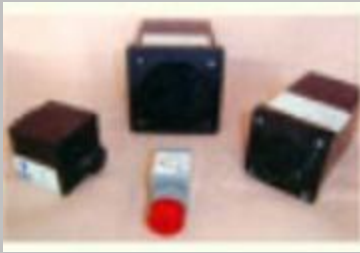
### **Indicators and Controllers :**

We provide an assortment of 16 or 24 bit precision, micro controller based digital load indicator/ controller. Our range is versatile in performance, which can accept signals from a variety of strain gauge sensors for the measurement of physical parameters such as load, pressure and torque. These can power by 230V AC or external DC.



### **Light Curtain Logistics :**

Synchronously to the light beams of the transmitter in the receiver all reception items are analysed by two a chip micro controllers. If an object is in the protection field, i.e. it is darkened at least one of the beams, the two outputs of the receiver interrupt the dangerous movement of the machine, or prevent a start. A renewed start of the machine is in the operating mode with restart only possible by pressing the start push-button during a free protection field.



**Visual Voice Hooter :**  
Binex Controls Supplies Innovative Electronic Visual Voice Hooters .



**Led Signal / Tier Lamps :**  
We offer Multiple LED Tier lamps in Single Tier upto five tiers, also available with inbuilt electronic Hooter and flasher circuit). Its totally Vibration proof and has a extremely Long Life Voltages: 12 - 230 V AC/DC and 440 V AC. These lamps dissipate negligible heat; Power consumption is 90% less than a filament type lamp the body is made of ABS Plastic Polycarbonate unbreakable lense ? Unidirectional lamp upto 5 Tower ? Built in Flasher / Audio O/P



**Led Aviation Beacon Lamp :**  
Dome/ Miniature/ Pyramid /Panel Top/ Roof Top.  
Camera Flashing / Xenon /Revolving.  
Aviation Obstruction Lamp ( Upto 1000 Led ).



**Apex Led Indicator :**  
L.E.D. INDICATORS (Solid State) manufactured in line with ISO 9001:2000 standards ensures consistent quality and is ideal for control panels (both MCC's and Instrumentation) and machines.



**Led Bulbs :**  
Binex Controls Started With Off As A Single Product And Now Has Numerous Products Catering To The Co...



**CNC Machine Lamp :**  
Binex Controls, formed in April 1997, started off as a single product company and has now diversified, catering to the control panel and machine tool manufacturing industry.



**Proximon Proximity Switch CE :**  
Reliability and ease of use have made the Inductive Proximity switch the sensor of choice for numerous applications in Automation and Robotics. These switches can detect any metal target and are highly insensitive to harsh industrial environments containing dirt, humidity, dust and oil.



## General Electrical & Electronics Item

### Product Name



#### **Control Panel Accessories :**

We are an authorised dealer and supplier of control panel accessories in Chennai, including indication lamps & push buttons, Buspass Supports, and Rotary Switches. Our company has been dealing and supplying control panel and accessories to numerous renowned industries across Chennai for last 20 years.



#### **SFX PVC Channels :**

Made of Rigid Poly Vinyl Chloride (PVC) of high Tensile & Compressive strength. Highly durable, will not Crack, Peel or Chip, also resistant to Oil, Fungus, Salt Solutions etc. Non Brittle, Non Inflammable and also Warp Proof. Fast & Efficient locking guaranteed because of specially designed Duct & Cover. Slotting Patterns prevents wire from popping up, while removing cover. Elongated Slots at the Bottom makes Flexible Mounting Possible.



#### **Capacitors / Polyolefin Hss / Accesories :**



#### **G.I. Cable Trays :**

We, at Silicon India Chemicals distribute a huge spectrum of GI Cable Trays that are most popular for cable laying cables in buildings, industries, and electric installations, etc. They are available in varied widths ranging from 50 mm. to 1200 mm. Available Electric Cable Trays are supplied according customers' drawings or specifications.



#### **MCI Cable Glands :**

MCI Cable Glands are designed, manufactured and tested to satisfied the demands of the various testing bodies and authorities like Cimfr (erstwhile CMRI - A Govt. of India undertaking) and others. These Glands are available in different sizes and are suitable for all power cables up to 1000 sq.mm. and control cables up to 61 cores.



#### **MCI (CMRI Approved) Cable Glands :**

The company is specialized in the manufacturing and supplying of highly effectual Brass Cable Glands in the market. Our brass cable glands are approved by CMRI and are known for their flame resistant and weather proof properties. The A2 Brass Cable Glands supplied by us are used in normal climatic conditions for armoured and unarmoured cables. The cone and body taper of the brass cable gland give a firm grip to the armour of the cable. In addition to this, we are one of the foremost Industrial Brass Cable Glands Suppliers from India.



#### **SAHIB Terminal Strips :**

We are one of the most reputed providers of superior Terminal Blocks. These are sourced from leading Indian vendors who ensure that these are at par with the highest standards of quality. Our blocks come in an easy to install design and are thus, extensively used in various telecommunication, electronics and other industries.



### **HEX Crimping Tools :**

We provide complete solution of Crimping Tool -that is available in various specifications.



### **NISHANT Counter Hour Meters :**

COUNTERS find application in areas where the production needs to be monitored. Typical application includes Plastic Moulding Presses, Railway Signaling Systems, Printing Presses etc. These counters are available in reset and non-reset version to suit individual customer requirement. Printing Offset Counters, Programmable Counters, Multi Purpose Digital Counter, Limit Counter, Digital Event Counter, Controller Counter & Totalizer, Length Counter.



### **PARAGON Digital Counters, Temp Controlers, Timers :**

A Digital Counter is a device, which stores or displays the number of times a particular event or process has occurred.



### **VSS / OSIYAN Mcb Boxes :**

Backed by our rich vendor base, we offer an array of Plug and Socket which includes electrical power sockets, metal clad plugs, electrical power plugs, metal clad sockets, electrical power supply plugs and sockets with a highly conductive and resilient material. These devices come with protective outer shell made from non-corrosive die cast aluminum alloy and the inner case is moulded from superior grade of non-conductive polyester compound. Industrial Metal Clad Plug and Sockets, AC Plug and Sockets are also included in our range.



### **NPI / OSIYAN Main switch, Busbars Changeovers :**

We offer MAIN Switch Panels that are installed for automatic changeover from mains to stand-by generator at the time of power failure. Fabricated from premium quality raw material, these automatic changeover are durable, corrosion resistant, dust and vermin proof. Easy to operate and install, the panels are used in areas like foundries, apartments, textiles, sugar and chemical industries.



### **ALTOS Led Lamps, Revolving Lights, Multi-Tier Lamps :**

Very low power consumption, can be driven through PLC directly., Totally immune to vibrations, Excellent illumination in all directions., Large illuminated Surface area., No false indication due to external light.



### **ELMECO BRISK Microswitches :**

This is our product of waterproof micro switches SLD7 Series. Degree of protection:IP00 operating speed:0.01mm-1m/sec waterproof micro switches Specifications:impulsionIEC60028-2-27:1987vibration,sinusoidalIEC60028-2-26:1995Operating Speed: 0



### **WACO Meggers GIRISH EGO Thermostats :**

We offer to our clients an extraordinary range of Earth Tester which is in conformation with the set international standards. Designed and developed as per the specifications stated by our clients, these products are highly efficient and performance oriented.



### STANDARD Meters, Ct, Shunts Dimmerstats :

FOR AC V AND I MEASUREMENTS (MOVING IRON TYPE): Choice of any 1 of ranges of 10mA, 25mA, 30mA, 50mA, 100mA, 250mA, 300mA, 500mA, 1A, 2A, 5A, 10A, 15A, 20A, 25A, 30A, CT operated for higher currents', 10y, 20V, 30V, 50V, 60V, 75V, 100y, 150V, 300V, 500V and 600 AC. Fluid damping to ensure dead beat movement. 5VA burden. 45 to 55 Hertz.



### INDOTECH Kwh Meters :

We produce three phase electricity meter with good quality. It is the best among all the three phase static electric meter.

Products/Services : Meter, Kwh Meter, Watt Hour Meter, Static Electricity Meter, Multi-Function Meter, Single Phase Meters, Three Phase Meters, Water Meters, PLC System, Automatic Meter Reading System, AMR System, Ami System, Gas Meters, Active Meters, Reactive Meters, Digital Meters, Power .....



### Standard Gold Products :

Protection against electrical shock Unit Earthed, Very good flame resistance, Safe in operation, locking device unaffected by vibration, Self wiping contacts ensure trouble free operation.



### UNITEX Contactors & ITC Starters :

Most reliable motor protection widely accepted by industrial and agricultural sector. Wide thermal overload relay range which can operate within temp range of 5° C to 55° C ambient Degree of protection IP42, Elegant look



### JAINSON :

We are one of the leading distributors and wholesalers of electrical Switches that are procured from trusted vendors. The manufacturers of these electrical switches use optimum quality raw material and advanced manufacturing facility in their production process.



### JAINSON (Crimping Tools) :

Ratchet hand tool is a professional three in one tool that crimps the three standard pre-insulated terminals Red, Blue & Yellow sizes i.e. 1.5 mm sq., 2.5 mm sq. and 4.6 mmsq. This tool features an adjustment dial with six sections to further enhance the quality of the tool This tool is designed as push to release and close to release



### JAINSON (Rotary Switches) :

\* Amperage Range : 10 AMP to 100 AMP \* Poles : 1 Pole to 4 Poles \* Position : 1 Position to 8 Position (1way to 8way)



### **JAINSON (LT control switches) :**

We are the only manufacture of 25 A to 125 A came operated worldclass reversing and changeover switches in India with teller made solutions.We are using high quality copper and silver alloy contacts in our products.



### **JAINSON (Reverse Forward Switches ) :**

This is our economic product for Reverse-Forward-Switch which can carry electricity load upto 16 A easily. This is spring loaded electrifying copper contact base one of the most reliable product in the market in its range.



### **JAINSON (CAM Rotary Switches / Limit Switches) :**

ROTARY SWITCHES:

\* Amphere Range :10 AMP to 100 AMP

\* Poles :1 Pole to 4 Poles

\* Position : 1 Position to 8 Position (1way t0 8way)



### **JAINSON (Clip-On Terminals) :**

Being an eminent organization, we hold expertise in offering a wide range of Electronic Equipment. Our range consists of Copper Cable Sockets, Aluminium Cable Sockets and Clip On Connectors & Terminals. Our diligent procurement officers source these from a reputed vendor, Jainson. It is engaged in manufacturing and exporting different varieties of cables. We have a team of experienced analysts, who test these on various quality parameters to ensure that defect free range of electronic equipment is offered to the customers.



### **JAINSON (Toggle Switches / Door Switches ) :**

We are engaged in offering a wide variety of Rotary Switches & Toggle Switches that are widely appreciated for their improved quality. These are stringently checked to ensure international standards of performance. Available in different specifications, fulfill the diverse requirements of our clients.



### **JAINSON (Pressure Switches) :**

Pressure Switches for air compressors

### **JAINSON (Main Switch / Changeover) :**





### **JAINSON (Panel Fans ) :**

When it comes to offering superior quality Panel Cooling Fans, we are counted on the top of the list in the national market. The company also offers optimal Panel Exhaust Fans in the market.



### **ITC/SIBBLS/ JIGI/ HOONG/ LASER Products :**

Most reliable motor protection widely accepted by industrial and agricultural sector. Wide thermal overload relay range which can operate within temp range of 5° C to 55° C ambient Degree of protection IP42,Elegant look.



### **PRINCECAB/ AMITEX ISI Wires & Cables :**

We are specialized in manufacturing premium quality XLPE/PVC Insulated Wires & Cables. These cables are offered under ISI certification. Our range of LT PVC insulated power cables is efficient and effective in long term usages.



### **HEX Cable Terminal Ends :**

We provide complete solution of Crimping Type Copper Tubular Cable Terminal Ends - Bell Mount that is available in various specifications. These Copper Tubular Cable Terminal Ends are used in several metal products manufacturing other industries. These are widely appreciated for reliability, durable nature and excellent finish. These Copper Tubular Cable Terminal Ends are widely demanded in various parts of the world due to their unique quality



### **MECO Meters / Kusam Meco Products :**

Kusam-Meco introduced & Pioneered the use of Digital Multimeters & clampmeters in the Indian industry. Kusam-Meco continues to introduce new products with unique features & protection to meet current market demand & safety to cater customers diverse applications. The promoters of the company have over 40 years of experience in the field.

## **Electromagnetic Clutches and Brakes**

### **Product Name**



### **1. Brakes ( Fail Safe Brakes Type USB / UMB ) :**

These types of brakes require DC Voltage to release. Switching can be done on either side. However for higher cycle time / faster engagement & disengagement, switching must be carried out on DC side only. To protect contractor points, coil & switches, resistor and capacitor networks must be provided across the contractor to restrict the high inductive voltage/ back EMF which is produced when power is switched off.



### **Brakes ( Normally Off Brakes Type UFB ) :**

1Nm to 2550Nm • Coil Operating Voltages : 24/96/190 DC\* These type of Brakes actuate when power is applied to the brake coil.



### **2. Clutches ( Flange Mounted Clutches Type UFC ) :**

1Nm to 2550Nm • Coil Operating Voltages : 24/96/190 V DC\* These types of clutches are best suited for the transmission of motion from drive to the driven load. These clutches are single plate, dry operational and easy to mount.



### **Clutches ( Bearing Mounted Clutches Type UBC ) :**

Bearing mounted clutches are normally off type and operate on DC voltage. On applying DC voltage to the stator (coil) strong magnetic field is produced, which pulls the armature towards the friction material of the rotor over the air gap and torque gets transmitted free of backlash.



### **3. Brake Motors Type UBM :**

Brake Motors fitted with Normally on Fail Safe Brakes, available both in foot and flange mounted designs. Special motors made available on request. DC power supply in motor terminal / control panel.



### **4. Clutch Brake Combinations (Type UCB-E) :**

Clutch Brake Combinations are used where intermittent operations are required. These combinations consist of UFB (normally off brake) as well as UFC (normally off clutch). These type of units operate on DC voltages. No slip rings, hence virtually maintenance free throughout their life. It is possible to set air gap without dismantling the unit. UCB-E type of combination is totally incased unit with split shafts.



### **Clutch Brake Combinations (Type UCB-T) :**

Clutch Brake Combinations are used where intermittent operations are required. The torque is 8 Nm to 500 Nm.



### **5. Pneumatic Brakes :**

Pneumatic brakes are manufactured from 20 KgM to 500 KgM Torque, in single & Dual disc with 2 to 12 friction pads.



### **6. Torque Limiters Type UTL :**

The Torque Limiter is a protective device that limits torque transmitted in a drive system.



### 7. Torque Limiters Couplings :

Torque Limiter and Torque limiter Couplings are mechanical devices, which protect Motors, Gear Boxes and machines when overload happens. If pre set spring torque exceeds, then the drive element slips and protect equipment / machinery from damage. Torque Limiters are available drive element of Chain Sprocket, Pulleys or Timer Pulleys. Torque Limiter Couplings are available either in chain or Jaw design.



### 8. Mechanical One Way Clutch :

Type ASNU (NFS or TFS) is a roller type freewheel non bearing supported. Type ASNU(NFSorTFS)

## Ups Stabilizers

### Product Name



### Greenline GLX - 1 KVA UPS to 3 KVA Single Phase UPS :

1KVA to 3KVA Single Phase (with Isolation) On-line protection for Computer Servers The Green Line Series is the mighty turbo in 1-3 KVA Single Phase UPS in ONLINE family of Uninterruptible Power Supplies by UNILINE. The Green Line Series provides reliable protection for all high-end applications and is extensively equipped to master all event qualities.



### High Efficiency UPS India- D Series :

UPS 200 - 300KVA Today's embedded applications demand a unique set of features, product life cycle and performance. Uniline follows new technologies and needs of today's contemporary life. D Series UPS is designed to meet the growing demands of a new generation of leading-edge embedded products. In addition to offering high performance, flexibility and robust functionality, D Series UPS' value is mainly based upon:

- 1.Advance Technology
- 2.Low Cost
- 3.Total Customer Satisfaction



### Maxipower-IGBT Online UPS System (0.5 KVA to 15 KVA) :

IGBT Online UPS System (0.5 KVA to 15 KVA) Complete Blackout and Brownout Protection According to study by Bells Labs, under voltage & sudden dips represent the majority of power problems. Our IGBT based Online 0.5 - 15 KVA UPS's prevent data loss caused by outages & brown outs. Computer Grade Line Conditioning with Isolation.

Superior full time inbuilt isolation transformer in all "Uniline" UPS. Output is fully isolated by double conversion & isolation transformer. No need to have extra isolation transformer as required for Imported Systems. Remote Monitoring & Control through SNMP (Optional)

## Electronics Component

### Product Name



#### Power TRS :

To 3  
2N 3055H, 2N 3773, 2N3773E,  
2N 37733-XP, 2SC 5200  
MJ 2955, MJ 15024, MJ 15025



#### Small Signal TRS :

TO- 39 SL 100,SK 100, BD 115,  
2N 3053, 2N 1711, 2N 2219A, 2N 3019  
TO- 18 BC 107B, 108B, 177B,178B,2N 2222A



#### Rectifier Diode in Capsule :

FROM 500AMP TO 3000AMP - 4000V

TYPE: DS 502, 804,1104,2007,2004,2106 FAST RECOVERY 912



#### Thyristor in Capsule (DCR) :

FROM 500AMP TO 3000AMP - 4500V  
DCR 504, 604, 804, 1278, 1277, 1006,1003, 1274, 1475, 1478, DCR  
FAST RECOVERY 1059  
PHASE CONTROL & INVERTOR TYPE



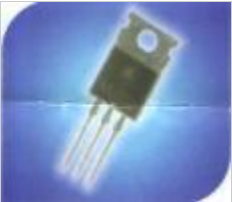
#### Welding Modules :

60 AMP TO 200 AMP 800V  
(SCR SCR SCR) PWB 60A, 80A, 100A, 130A, 150A, 200A



#### For Generator :

MT 6, MT 10, MT 16 2000V  
DIODE PAO 40C, PAO - 40A  
40HFR, 70HF-HFR, 85HF, 85HF - HFR



#### MJE Series :

13001 ( TO 92 ), 13003 ( TO 1126 ),  
13005, 13007, 13009, 3055 &  
BT 136 - 600 ( TRIAC ) IN TO 220



#### Rectifier Diode in Stud :

FROM 6AMP TO 800AMP - 1800V  
6, 12, 16, 40, 55, 70, 100, 150, 200, 250, 300, 400, 500, 700, 800AMP  
& WELDING DIODE 150 FLAT 40, 300FLAT 40





**Thyristor in Stud :**

FROM 25AMP TO 400AMP - 1600V

T 25, 40, 50, 70, 90, 125, 155, 180, 200, 255, 300, 400 AMP



**Power Modules :**

FROM 25AMP TO 350AMP - 1600V

MTT (SCR-SCR) MTD (SCR-DIODE)

MDD (DIODE-DIODE) 25A, 40, 56, 71, 96, 110, 140, 160, 250, 300, 350 AMP



**Bridge Rectifier :**

FROM 25 AMP TO 300 AMP - 1600V

MB 25 AMP, MB 35 AMP, MB 40 AMP

FROM 25 AMP TO 300 AMP - 1600V

MT 25, MT 35, MT 50, MDS 100, MDS 150, MDS 200, MDS 300



**Water Cooled Assembly :**

2 X DCR 504, 604, 804, 1004