



ROMARSH ELECOMPONICS TECHNOLOGIES

We are a world class manufacturer of bespoke power transformers and wound components. All our products bear the stamp of quality workmanship and excellent finish. We supply OEM manufacturers to all the top players in the market with power ratings to 1000k VA at voltages to 25 kV and frequencies to 500 kHz. Our wide range of standard and custom transformers and inductors are designed to meet the highest specifications and adhere to all the international standards.



**ROMARSH
ELECOMPONICS
TECHNOLOGIES**

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**Renewable
Energy**



Isolation Transformers

- UPS
- Traction
- Machine Tools



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COMPANY

Romarsh Elcomponics Technologies Pvt Ltd, Started in the year 2007 as a joint venture company between Romarsh Ltd – UK and Elcomponics India to start manufacturing magnetic wound components such as dry type transformers and reactors to Power Sector Industry.

Since 1969, Romarsh Ltd – UK is one of the World's leading companies in the design & manufacture of wound power components which is now a part of Tamura Corporation, has particular expertise in the design & manufacture of components for the UPS, Traction, Machine tool, Motor drives, Medical, Power generation & other industrial equipment markets.

Tamura Corporation, a world-class manufacturer of high quality electronic components for the global industrial, telecom and consumer markets having state-of-the-art manufacturing facilities and cutting edge technologies in Japan (HQ), Asia, Europe and America and Mexico support leading edge technologies for the future high demand applications and have proven financial Strength, Innovation and ability to grow for more than 80 years.

As part of the Tamura Corporation we invest in our customers' future by providing an avenue of product development that promotes local engineering, low cost manufacturing coupled with local logistics, technical and quality support.

In 2010 Tamura acquired Romarsh Ltd - UK to become a joint partner of Elcomponics in India.

Elcomponics started in 1988 offers a wide range of wiring harness in India to Consumer Durables, Power Electronics & Home Appliance industries. It's also one of the Largest Exporter of Wire Harness in India to various countries.

"Elcomponics applies a specific industry experience to create a tailored business experience."

Elcomponics is having five manufacturing plants in India located at Noida, Chennai & Bangalore which are synonymous with excellence and expertise in the electrical industry. With approximately 1,000 employees worldwide, we have an unrelenting focus on quality, delivery, value, and technology in everything we make and do

What We Do

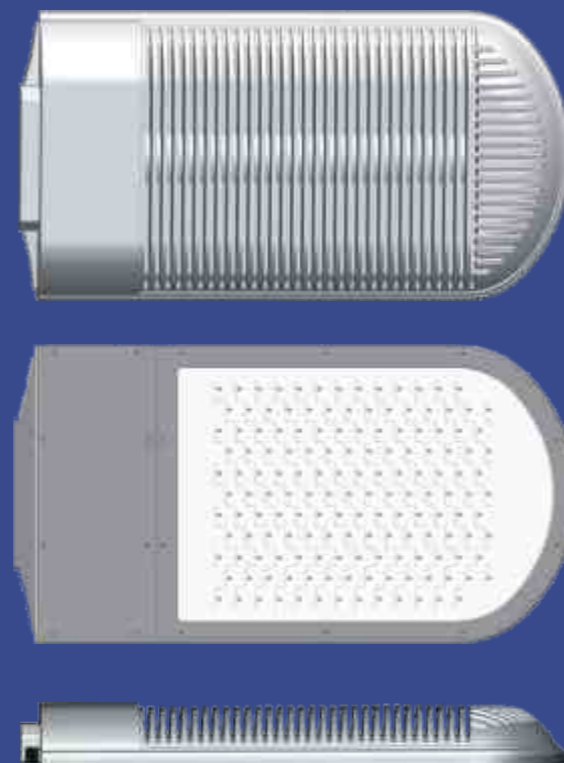
We are a world class manufacturer of bespoke power transformers and wound components. All our products bear the stamp of quality workmanship and excellent finish. We supply OEM manufacturers to most of the top players in the market with power ratings to 1000k VA at voltages to 25 kV and frequencies to 500 kHz. Our wide range of standard and custom transformers and inductors are designed to meet the highest specifications and adhere to all the international standards.

How We Treat Stakeholders & Society

We attach great value to our stakeholders and are deeply committed to protect their interests. All our partners are treated with equal importance without having them to forfeit their individuality. However, social responsibility is equally important with us and we relentlessly pursue it a creative zeal. And sustainable development is a way of life with us

We Keep Envolling Everyday

Romarsh Elecomponics supplies an original range of products and services highly regarded in the global electrical & Electronics market, to satisfy the evolving needs of customers, employees and stake holders supporting the company growth.



What We Strive to Deliver

- The management of Romarsh Elecomponics is based on business related to the requirements of the global electrical and electronics industry
- The business of Romarsh Elecomponics is based on technologies that support rapidly diversifying customer needs, with a special focus on high market value
- Romarsh Elecomponics evaluates its employees with fairness and highly rates excellent performance and exceptional productivity
- Romarsh Elecomponics is responsible member of the global community and respects the laws and customs of the countries in which it conducts its business activities
- Romarsh Elecomponics strives to protect the global environment, conserve natural resources and promote re-cycling

Quality Policy

"Romarsh Elecomponics is an organization to satisfy customer needs by manufacturing and supplying quality products at right time and right price through continual improvement."

Environmental Policy

We at Romarsh Elecomponics endeavour to minimize the environmental impact of our business activities by driving initiatives to reduce our ecological foot prints by:

- Preventing pollution of air, water and land during the manufacturing of transformers, inductors and support operations,
- Ensuring a healthy and safe work place,
- Meeting legal / other ethical requirements,
- Conserving resources and energy

Customer is Our Lifeline

"Romarsh Elcomponics Technologies Pvt. Ltd. is an organization to satisfy customer needs by manufacturing and supplying quality products at right time and right price through continual improvement".

PRODUCTS

Our products can meet all the international standards such IS / IEC / UL / ROHS etc

We can show our QMS and EMS certificates.



Products

- Inductors / Reactors
- K factor/Isolation
- Transformers
- Distribution Transformers
- High Frequency Inductors
- UL approved Transformers
- Control Transformers
- Lighting Transformers
- Special Magnetics

Segment

- UPS
- Traction
- Machine Tools
- Industrial
- Defence
- Medical
- Renewable Energy

Inductors

We have been producing Inductors / reactors for various application like UPS, Motor drives Traction, Solar, wind energy segments etc for the past 6 years and where as our partner Tamura are having 80 Years of experience in design and manufacturing. We both always ensure best quality and Performance in our entire range of products.

- 1-Phase and 3-Phase inductors
- Detuned reactors for Power factor correction
- Smoothing Reactors
- Input Choke for Drives
- Output Choke for Drives
- Line Inductors
- Filter Chokes
- Air Core Chokes
- DC Chokes & Rectifiers
- AC harmonic and ripple filtering
- Inverter / Converter Line Chokes
- Common Mode Chokes
- Balancing reactors
- Up to Class H insulation and Temperature Rise
- Any other custom made chokes as per customer specifications
- UL Labelled Products

High Frequency Inductors

Our world class R&D team has proven excellent in choosing the appropriate magnetic material for different applications of inductors, especially high operating frequency. We have successfully made Air-Core chokes, Iron Core Chokes and also used special materials such as Amorphous core, Powder cores and low thickness magnetic material for our inductors to improve efficiency. We have studied and developed innovative solutions for renewable energy sectors like solar and wind. We can also provide UL marked products.

- Amorphous cores / Powder cores / Special sheet laminations
- Inductors up to 5000 Hz made for Renewable energy sectors such as Solar and Wind.
- Inductors up to 1000A at high frequency
- Both in 3-Phase and 1-Phase
- UL Marked Products

UL Approved Transformers

RETPL Starting from beginning is one of the companies in India to have UL (Underwriters' Laboratory) approval for our range of products which is an advantage to most of the OEMs that export to USA. Our UL range is attractive for all OEMs that export to America. Products made as per the UL standard ensure complete Quality, durability and strength in various climatic conditions with very high operating temperatures. We offer excellent quality at competitive prices.

- Rating up to 1000 KVA, 1000 V
- Up to 240 deg Class
- UL- File No.E157312(155, 180 & 220 Class)
- UL- File No.E347466(240Class)
- Both in 1-phase and 3-phase transformers
- Class H & C insulation and Temperature
- Raw materials procured from UL approved vendors

Traction Transformers and Reactors

Over 30 years experience in the design and manufacture of wound components for use in rolling stock and trackside applications. From its initial supply of MA set chokes for the UK market in the early 1970's we now have products in use throughout the world.

Products and applications include:

- Components used in frequency converters up to 500KW.
- DC booster chokes. & Motor chokes and inductive diverts.
- Air cored and iron cored inductors both naturally air-cooled and forced air-cooled.

- Three-phase line reactors for harmonic filtering utilising high-grade low loss electrical steels with zero magnetostriction for minimum noise emission
- Single-phase and three-phase converter output isolation transformers with normal or high leakage reactance.
- Transformer and filter inductors in medium frequency charging systems
- Transformers and DC power supplies for trackside signalling
- K-Factor transformers for use with UPS signal protection.

Dry Type Distribution and lighting Transformers

Dry-Type transformers have an added advantage over oil-immersed transformers. An important issue is safety. With minimum maintenance and long life, they have no fire hazard and do not need any venting to toxic gases. These do not have any ecological restrictions and are convenient because of their compact sizes, High Short Circuit Strength, Better repair possibilities at site, low cost of Installation and maintenance.

RETPL can also make distribution transformers for the following specifications

- Up to 33 kV, 2500 kVA
- Vacuum Pressure Impregnated type
- Off-Circuit Transformers with or without enclosures
- As per IS 2026, IS 11171 , IEC 76
- Both in Copper and Aluminium foil winding

K-factor Isolation Transformers

K- Factor plays an important role in Isolation transformer segment where in RETPL has a vast experience in suppressing unwanted harmonics. The K-Factor rating assigned to a Transformer is in accordance with the listing of Underwriters Laboratories, is an index of the transformer's ability to supply harmonic content in its load current while remaining within its operating temperature limits. A

specific K-factor rating indicates that a transformer can supply its rated KVA load output to a load of specified amount of harmonic content. We can produce various K – rated transformers such as K1, K4, K9, K13, and K20 and also according to customer specification which depends on their load factor.

Special Application Magnetics

We Provide solutions to meet the electrical & mechanical specifications, to consolidate the proven design for cost effective volume production. Transformers in both single-phase and three-phase configuration, chokes, inductors and AC/DC power systems are manufactured to the requirement of each application with the emphasis on quality and reliability. We have a well established expertise in high current and high voltage applications along with a wealth of knowledge in producing medium frequency solutions to Telecommunications, Process Control, UV Technology, Ozone and Corona Generation, Electro-Medical Equipment, Environmental test equipment, refrigeration and Air- Conditioning, Broadcast transmission equipment etc. Please do get in touch with us for any special applications...

