Company Profile

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Treadtronics **Engineering**Private Limited

www.treadtronics.com

COMPANY PROFILE

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Science is about knowing, engineering is about doing

MISSION

Our mission is to deliver unparalleled value to our clients by leveraging our seven years of expertise in electronics and electrical components sourcing. We aim to be at the forefront of the industry, offering a comprehensive range of products and solutions while ensuring reliability, efficiency, and sustainability in every aspect of our business.

VISION

To be the preferred partner in the global electronics and electrical components market, known for our unwavering commitment to quality, innovation, and exceptional customer service. We envision becoming a trusted name in the industry, contributing to the success of our clients and partners.

Corporate Overview:

Welcome to Treadtronics Engineering (Private) Limited, an eminent engineering firm with a distinguished legacy spanning seven years, specialising in the sourcing of electronics and electrical components. As we embark on a new chapter in 2023, our commitment to delivering state-of-the-art solutions to a diverse range of industries remains unwavering.

About Treadtronics Engineering:

With a legacy of over seven years, Treadtronics Engineering stands as a trailblazer in the realm of electronics and electrical components technology. Our global influence has matured into a dynamic presence both nationally and internationally. We seamlessly integrate cutting-edge technology and disruptive innovation to provide unparalleled electronics and electrical solutions to a diverse global clientele.

Our extensive experience empowers us to transcend geographical boundaries and serve a multitude of industries. Quality is not just a feature of our products; it is embedded in our organizational DNA. We tirelessly pursue excellence, implementing a robust quality assurance framework across our extensive product line. This commitment to quality serves as the cornerstone of our reputation and credibility in the global electronics market.

Guided by the values of synergy and collaboration, Treadtronics Engineering has cultivated enduring partnerships with industry-leading manufacturers and fostered trust-based relationships with both local and international customers. Our customer-centric approach is exemplified by impeccable logistics and customer service, positioning us as a reliable and indispensable partner in your growth journey.

We don't merely embrace change; we drive it. Our relentless pursuit of innovation, unwavering commitment to quality, and dedication to collaborative relationships make us the preferred choice for cutting-edge electronics solutions.

What We Do:

Our expertise lies in the meticulous supply of a comprehensive range of electronic components tailored to meet the unique requirements of our clients. We pride ourselves on offering a full suite of solutions, leveraging our proficiency across various technology domains. Our commitment to excellence is reflected in the diverse array of supplies we provide:

CONNECTORS

Audio & Video Connectors

Automotive Connectors

Backplane Connectors

Board to Board & Mezzanine Connectors

Cable Assemblies

Card Edge Connectors

Circular Connectors

Data Bus Components

D-Sub Connectors

FFC / FPC

Fibre Optic Connectors

Headers & Wire Housings

I/O Connectors

IC & Component Sockets

Banana and Tip Connectors

Junction Systems

Lighting Connectors

Memory Connectors

MIL-Spec / MIL-Type

Modular Connectors / Ethernet Connectors

Pin & Socket Connectors

Power Connectors

RF Interconnects

Solar Connectors / Photovoltaic Connectors

Terminal Blocks

Terminals

Unspecified Connectors

USB Connectors

RESISTORS

Chassis Mount Resistors

Chip Resistor - Surface Mount

Precision Trimmed Resistors

Resistor Networks, Arrays

Specialized Resistors

Through Hole Resistors

CAPACITORS

Aluminum - Polymer Capacitors

Aluminum Electrolytic Capacitors

Capacitor Networks, Arrays

Ceramic Capacitors

Electric Double Layer Capacitors (EDLC), Supercapacitors

Film Capacitors

Mica and PTFE Capacitors

Niobium Oxide Capacitors

Silicon Capacitors

Tantalum - Polymer Capacitors

Tantalum Capacitors

Thin Film Capacitors

Trimmers, Variable Capacitors

TRANSFORMER, INDUCTOR COMPONENTS

Bobbins (Coil Formers), Mounts, Hardware

Ferrite Cores

Audio Transformers

Current Sense Transformers

Isolation Transformers and Autotransformers, Step Up, Step Down

Power Transformers

Pulse Transformers

Specialty Transformers

Switching Converter, SMPS Transformers

INTEGRATED CIRCUITS - ICS

Active Filter

Amplifier ICs

Audio ICs

Chipsets

Clock & Timer ICs

Communication & Networking ICs

Counter ICs

Data Converter ICs

Digital Potentiometer ICs

Driver ICs

Embedded Processors & Controllers

Equalisers

Interface ICs

Logic ICs

Memory ICs

Multimedia ICs

Optocouplers/Photocouplers

Power Management ICs

Programmable Logic ICs

Security ICs / Authentication ICs

Switch ICs

Wireless & RF Integrated Circuits

MEMORY ICS

DRAM

EEPROM

еММС

EPROM

FIFO

F-RAM

Managed NAND

Memory Controllers

Memory IC Development Tools

Memory Modules & Memory Cards

MRAM

Multichip Packages

NAND Flash

NOR Flash

NVRAM

SRAM

Storage

Universal Flash Storage - UFS

WIRELESS & RF SEMICONDUCTORS

PIN Diodes

Transistors RF

Wireless & RF Integrated Circuits

DISCRETE SEMICONDUCTORS

Diodes & Rectifiers

Discrete Semiconductor Modules

Filters

- Cable Ferrites
- Ceramic Filters
- Common Mode Chokes
- DSL Filters
- EMI/RFI Filters (LC, RC Networks)
- Feed Through Capacitors
- Ferrite Beads and Chips
- Ferrite Disks and Plates
- Filter Accessories
- Helical Filters
- Monolithic Crystals
- Power Line Filter Modules
- RF Filters
- SAW Filters

Thyristors

Transistors

Crystals, Oscillators, Resonators

- Crystal, Oscillator, Resonator Accessories
- Crystals
- Oscillators
- Pin Configurable/Selectable Oscillators
- Programmable Oscillators
- Resonators
- Stand Alone Programmers
- VCOs (Voltage Controlled Oscillators)

INDUCTORS, COILS, CHOKES

Adjustable Inductors

Arrays, Signal Transformers

Delay Lines

Fixed Inductors

Wireless Charging Coils

EMBEDDED PROCESSORS & CONTROLLERS

CPLD - Complex Programmable Logic Devices

CPU - Central Processing Units

Digital Signal Processors & Controllers - DSP, DSC

EEPLD - Electronically Erasable Programmable Logic Devices

FPGA - Configuration Memory

FPGA - Field Programmable Gate Array

Microcontrollers - MCU

Microprocessors - MPU

Processors - Application Specialized

RF System on a Chip - SoC

SPLD - Simple Programmable Logic Devices

Systems on a Chip - SoC

CIRCUIT PROTECTION

Circuit Breakers

Circuit Protection Accessories

Electrical, Specialty Fuses

Fuseholders

Fuses

Gas Discharge Tube Arresters (GDT)

Ground Fault Circuit Interrupter (GFCI)

Inrush Current Limiters (ICL)

Lighting Protection

PTC Resettable Fuses

Surge Suppression Ics

Thermal Cutoffs (Thermal Fuses)

Transient Voltage Suppressors (TVS)

Mixed Technology

Surge Protection Devices (SPDs)

Thyristors

TVS Diodes

Varistors, MOVs

ELECTROMECHANICAL

Audio Devices

Circuit Breakers

Encoders

Hardware

I/O Modules

Industrial Automation

Knobs & Dials

Motors & Drives

Printers

Relays, Contactors & Solenoids

Switches

DEVELOPMENT BOARDS, KITS, PROGRAMMERS

Evaluation Boards

- Analog to Digital Converters (ADCs) Evaluation Boards
- Audio Amplifier Evaluation Boards
- DC/DC & AC/DC (Off-Line) SMPS Evaluation Boards
- Digital to Analog Converters (DACs) Evaluation Boards
- Embedded Complex Logic (FPGA, CPLD) Evaluation Boards
- Embedded MCU, DSP Evaluation Boards
- Evaluation and Demonstration Boards and Kits
- Expansion Boards, Daughter Cards
- LED Driver Evaluation Boards
- Linear Voltage Regulator Evaluation Boards
- Op Amp Evaluation Boards
- RF Evaluation and Development Kits, Boards
- RFID Evaluation and Development Kits, Boards
- Sensor Evaluation Boards

Programmers, Emulators, and Debuggers Programming Adapters, Sockets Software, Services

EMBEDDED SOLUTIONS

Accelerator Cards

Audio Modules

Computing

Data Conversion Modules

Display Modules

Energy Harvesting Modules

Engineering Tools

Ethernet & Communication Modules

Interface Modules

Memory & Data Storage

Modules Accessories

Other Modules

Power Management Modules

Sensor Modules

Software

Video Modules

Wireless & RF Modules

Embedded Computers

- Embedded Computer Accessories
- Embedded Computer Interface Boards
- Single Board Computers (SBCs)

INDUSTRIAL AUTOMATION & CONTROLS

Contactors

Controllers

Counters & Tachometers

Ethernet & Communication Modules

Hardware

Human Machine Interface - HMI

Industrial Connectors

Industrial Development Tools

Industrial Displays

Industrial Enclosures

Industrial Lasers

Industrial Lighting & Indicators

Industrial Power

Industrial Relays & Accessories

Industrial Safety

Industrial Sensors

Industrial Switches

Industrial Terminal Blocks

Motor Drives

Printers

Solenoids & Actuators

Test & Measurement

Timers

Wire & Cable

Protection Relays & Systems

Robotics

- End Effectors
- Robotics Accessories
- Robots

Signal Conditioners and Isolators

Stackable Tower Lighting, Beacons, and Components

Time Delay Relays

MOTORS, ACTUATORS, SOLENOIDS AND DRIVERS

Electric Actuators/Cylinders

Motor Driver Boards, Modules

Motors - AC, DC

Solenoids

Stepper Motors

SOLDERING, DESOLDERING, REWORK PRODUCTS

Desoldering Braid, Wick, Pumps

Flux, Flux Remover

Fume, Smoke Extraction

Holders, Stands

Solder

Solder Sponges, Tip Cleaners

Solder Stencils, Templates

Soldering Irons, Tweezers, Handles

Soldering, Desoldering, Rework Accessories

Soldering, Desoldering, Rework Stations

Soldering, Desoldering, Rework Tips, Nozzles

SENSORS, TRANSDUCERS

Color Sensors

Color Sensors - Industrial

Current Sensors

Encoders

Encoders - Industrial

Float, Level Sensors

Float, Level Sensors - Industrial

Flow Sensors

Flow Sensors - Industrial

Force Sensors

Force Sensors - Industrial

Gas Sensors

Humidity, Moisture Sensors

IrDA Transceiver Modules

LVDT Transducers (Linear Variable Differential Transformer)

Magnetic Sensors

- Compass, Magnetic Field (Modules)
- Linear, Compass (ICs)
- Position, Proximity, Speed (Modules)
- Position, Proximity, Speed (Modules) Industrial
- Switches (Solid State)

Magnets

- Multi-Purpose Magnets
- Sensor Matched Magnets

Motion Sensors

- Accelerometers
- Gyroscopes
- IMUs (Inertial Measurement Units)
- Inclinometers
- Optical Motion Sensors
- Tilt Switches
- Vibration Sensors

Multifunction

Optical Sensors

- Ambient Light, IR, UV Sensors
- Camera Modules
- Distance Measuring
- Image Sensors, Camera
- Photo Detectors CdS Cells
- Photo Detectors Logic Output
- Photo Detectors Remote Receiver
- Photodiodes
- Photoelectric, Industrial
- Photointerrupters Slot Type Logic Output

- Photointerrupters Slot Type Transistor Output
- Photonics Counters, Detectors, SPCM (Single Photon Counting Module)
- Phototransistors
- Reflective Analog Output
- Reflective Logic Output

Particle, Dust Sensors

Position Sensors

- Angle, Linear Position Measuring

Pressure Sensors, Transducers

Pressure Sensors, Transducers - Industrial

Proximity Sensors

Proximity Sensors - Industrial

Sensor Interface Junction Blocks

Sensor, Transducer Accessories

Sensor, Transducer Amplifiers

Shock Sensors

Solar Cells

Specialized Sensors

Strain Gauges

Temperature Sensors

- Analog and Digital Output
- Analog and Digital Output Industrial
- NTC Thermistors
- PTC Thermistors
- RTD (Resistance Temperature Detector)
- Thermocouples, Temperature Probes
- Thermostats Mechanical
- Thermostats Mechanical Industrial
- Thermostats Solid State

Touch Sensors

Ultrasonic Receivers, Transmitters

Ultrasonic Receivers, Transmitters - Industrial

OPTOELECTRONICS

Ballasts, Inverters

Circuit Board Indicators, Arrays, Light Bars, Bar Graphs

Cold Cathode Fluorescent (CCFL) & UV Lamps

Display Backlights

Display Bezels, Lenses

Display, Monitor - LCD Driver/Controller

Electroluminescent

Fiber Optic Attenuators

Fiber Optic Receivers

Fiber Optic Switches, Multiplexers, Demultiplexers

Fiber Optic Transceiver Modules

Fiber Optic Transmitters - Discrete

Fiber Optic Transmitters - Drive Circuitry Integrated

HeNe Laser Heads

HeNe Laser System Accessories

HeNe Laser Systems

Incandescent, Neon Lamps

Lamp Replacements

Laser Diode, Module Accessories

Laser Diodes, Laser Modules - Laser Delivery, Laser Fibers

Laser Diodes, Modules

LCD, OLED Character and Numeric

LCD, OLED, Graphic

LED Addressable, Specialty

LED Character and Numeric

LED COBs, Engines, Modules, Strips

LED Color Lighting

LED Dot Matrix and Cluster

LED Emitters - Infrared, UV, Visible

LED Indication - Discrete

LED Lighting Kits

LED Thermal Products

LED White Lighting

Lenses

Reflectors

Remote Phosphor Light Source

Spacers, Standoffs

Touch Screen Overlays

Vacuum Fluorescent (VFD)

Xenon Lighting

CABLES, WIRES

Coaxial Cables (RF)

Fiber Optic Cables

Flat Flex Cables (FFC, FPC)

Flat Ribbon Cables

Modular - Flat Cable

Multiple Conductor Cables

Single Conductor Cables (Hook-Up Wire)

Wire Wrap

IT HARDWARE COMPONENTS

AUDIO & VIDEO

Videos & Graphics

Monitors

Speakers Microphones & Headphones

Cameras

Projectors

Accessories & Batteries

Speakers

Graphic Cards

MOTHERBOARDS

Motherboards Miscellaneous

Laptop Motherboards

Desktop Motherboards

Intel Motherboards

Server Motherboards

Motherboard CPU & VGA Combo

Motherboard Accessories

Miscellaneous

AMD Motherboards

Desktop & Server Motherboards

STORAGE DEVICES

Storage

Disc Drives

Backup Devices & Media

Hard Disk Drives

Solid State Drive

Raid Controllers

Tape

IT HARDWARE COMPONENTS

CPU & PROCESSORS

Intel Processors

Processor Boards

Proprietary Processors

Processors

VRM

AMD Processors

MEMORY

Cache Memory

Memory Boards

Server Memory

Desktop Memory

Rambus Memory (RDRAM)

Laptop Memory

Network Memory

Printer Memory

Flash Memory

Raid Controller Memory

Miscellaneous

Video Memory

Desktop & Server Memory

PRINTERS & SCANNERS

Printers & Cartridges

Scanner Faxes & Copiers

Scanner

IT HARDWARE COMPONENTS

CABLE & ADAPTERS

Adapters

Cables

Power Adapters

NETWORKING DEVICES

Wireless Products

Network & Accessories

Routers

Switches

Phones

Network & Security Appliances

Network Adapters

Modems

Network Modules

Telephony

Transceiver

POWER SUPPLIES & POWER PROTECTION

Power Supplies

Power Distribution Unit (PDU)

Ups

Other

Battery Chargers

Power Inverters

Power Supplies & Power Protection Miscellaneous

Power Banks

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IT HARDWARE COMPONENTS

Surge Suppressors
Accessories & Batteries
PSU & Power Protections
Cooling Devices

PC SERVERS & SOFTWARE

Laptops

Workstations

Servers

Desktops

Software

Our commitment to delivering high-quality supplies extends beyond product provision. We understand the critical role these components play in diverse applications across industries. As your trusted partner, we ensure that our supplies meet the highest standards of performance and reliability.

With an unwavering focus on advanced technology and a team of industry experts, we streamline the procurement processes for our clients. The Treadtronics advantage lies not only in providing top-notch electronic components but also in offering technical expertise, seamless logistics, and unparalleled customer service. Experience the synergy of quality supplies and dedicated support as you embark on your journey of innovation and growth with Treadtronics.

Our Approach:

At the core of Treadtronics success is our commitment to leveraging advanced technology and a team of seasoned industry experts. This enables us to streamline PCB procurement processes for our clients. When partnering with us, customers not only gain access to high-quality PCBs but also benefit from our technical expertise, unparalleled logistics support, and exceptional customer service.

We understand that each client has unique needs, and our tailored solutions reflect this understanding. With a focus on precision, reliability, and innovation, Treadtronics is the go-to choice for those seeking professional excellence in the world of PCBs.

Inventory Management Excellence:

We take pride in delivering an unparalleled and comprehensive inventory management and version control system to our esteemed clients. Our system is meticulously designed.

Adopting a collaborative mindset, our technical and logistics teams engage in interactive forecasting dashboards with our clients. This strategic collaboration enables us to optimize lead times in alignment with your operational timelines, resulting in enhanced inventory management and substantial cost savings.

Through our priority loading system, our clients benefit from shortened production turnaround times. This facilitates leaner inventory management and empowers a swift response to market demands. We prioritize efficiency to elevate your operational processes and contribute to the success of your endeavors.

Core Values:

Expertise: Harnessing seven years of experience to provide unparalleled knowledge and understanding of the electronics and electrical components market.

Innovation: Fostering a culture of continuous improvement and staying abreast of the latest industry trends and technological advancements.

Customer-Centric: Placing our clients at the heart of everything we do, ensuring their satisfaction through superior products, services, and support.

Integrity: Upholding the highest ethical standards in all our business dealings, building trust and transparency with our clients, partners, and stakeholders.

Strategic Logistics Excellence:

Our adaptable logistics network stands as a cornerstone for precision in cargo planning, whether it involves courier services, air freight, or sea freight. Collaborating with our efficient global logistics partners, we ensure the most optimal method of transporting shipments to meet your specified delivery dates.

Our commitment to operational excellence is manifested in the provision of a consolidated freight management service, a strategic advantage secured through our valued partnerships. This consolidated approach not only simplifies the logistics process but also contributes to a significant reduction in the overall cost of ownership.

At the heart of our operations lies a flexible logistics network meticulously designed to aid our customers in the meticulous planning and execution of cargo movements, regardless of the chosen mode of transport. Be it swift courier services, punctual air freight, or cost-effective sea freight, we have a comprehensive solution for all your logistics needs. However, we don't just manage logistics; we optimize them.

In our continuous endeavor to enhance logistical capabilities, we offer a consolidated freight management service. This integrated approach streamlines the logistics process, mitigates potential errors, and optimizes freight handling, resulting in unparalleled operational efficiency. This advantage is a testament to our robust strategic partnerships, showcasing our dedication to delivering the highest standard of service.

Clientele and Case Studies:

We cater to a diverse clientele, including but not limited to:

- Ministry of Defense
- Ministry of Science
- Pharmaceutical
- Oil & Gas Industries
- Renewable Industries
- Automobiles Industries
- Confectionery Manufacturing Industries
- Processed Food Manufacturing Industries
- Cement Process Industries
- Edible Oil Industries
- Plastic Manufacturing & Process Industries
- Packaging Film Industries

Our journey of success is marked by a distinguished list of notable clients and impactful case studies that exemplify our commitment to excellence in component sourcing solutions. Our clientele includes prominent names across various industries, ranging from defense and pharmaceuticals to renewable energy and automotive manufacturing. In our pursuit of providing tailored component-sourcing solutions, we have crafted insightful case studies that chronicle our successful partnerships and innovative approaches. These success stories serve as a testament to our ability to navigate complex sourcing challenges, ensuring the seamless integration of components into diverse applications. From overcoming logistical hurdles to delivering timely solutions, each case study encapsulates our dedication to surpassing client expectations.

Partners:

We source our products from reputable partners such as Digikey, Mouser, Element14, Farnell, RS Components, Arrow, Alibaba, and OEM OEM-authorized dealers and distributors.

Unique Selling Proposition (USP):

As a newly established company with a foundation of seven years of experience, we specialize in electronics and electrical components sourcing. Our expertise extends beyond product supply - we excel in obsolete product hunting, providing suitable alternatives, and offering innovative solutions to support your business.

Products & Solutions:

- Electronics & Electrical Components Sourcing: Offering a comprehen sive range of high-quality components to meet the diverse needs of our clients.
- Supplies on Time: Ensuring timely delivery of products to keep your operations running seamlessly.

Logistics Support: Providing efficient logistics solutions to streamline the supply chain and reduce downtime.

After Sales Services: Committed to excellent post-purchase support, ensuring the longevity and reliability of our products.

Research and Development Domain: Constantly investing in research and development to stay ahead of industry trends and offer cutting-edge solutions.

We are not just a supplier; we are your strategic partner in success. Our dedication to excellence and customer satisfaction sets us apart, making us the preferred choice for all your electronics and electrical component needs.

Product Obsolescence and End-of-Life (EOL) Management:

Ensuring product longevity and stability is paramount in the dynamic landscape of technology and manufacturing. We place a strong emphasis on product obstinacy and end-of-life (EOL) management. Our commitment to product obstinacy involves rigorous measures to extend the lifecycle of our offerings, ensuring sustained availability and support for our clients.

Simultaneously, our adept EOL management strategy is designed to seamlessly transition clients to alternative solutions, mitigating any disruptions to their operations. By proactively addressing the challenges posed by product obsolescence, we affirm our dedication to providing clients with reliable and enduring products. We understand that product obstinacy and EOL management are integral components of our commitment to delivering consistent, dependable, and forward-looking solutions to our valued clientele.

Doorstep Delivery Service:

In our unwavering commitment to enhancing your experience, Treadtronics Engineering introduces its Doorstep Delivery Service, redefining convenience with a touch of professionalism. Recognizing the importance of seamless accessibility, we bring our products directly to your doorstep, ensuring a hassle-free and efficient delivery process.

This service not only underscores our commitment to customer satisfaction but also reflects our dedication to providing a tailored and client-centric approach in every facet of our service offerings.

Experience the unparalleled convenience of having top-quality products from Treadtronics Engineering delivered directly to your door, exemplifying our commitment to reliability and customer-centric excellence.

Our Distinguished Team of Engineering Professionals:

We take pride in our formidable team of ten dedicated professionals, each contributing their unique skills and expertise to elevate our service offerings.

- Anchored by two highly qualified engineers, renowned for their exceptional knowledge and acumen.
- Our team is further bolstered by six degreed engineers specializing in electrical and electronic domains. This diverse skill set ensures a comprehensive understanding and adeptness in addressing the multifaceted needs of our clientele.
- Complementing our engineering prowess are two seasoned technicians, each possessing a remarkable 20 to 25 years of hands-on experience. With a specialized focus on PCB repair and assembly, these technicians bring a wealth of knowledge and precision to our operations, solidifying our commitment to delivering top-tier services in the electronics industry.

Together, our ten-member team embodies a collective dedication to excellence, innovation, and client satisfaction. As we navigate the complexities of the ever-evolving technological landscape, our team stands ready to meet and exceed the expectations of our valued clients.

OUR SOURCING PARTNERS

















