



ICON ELECTROMATIC

ADMIRE. INSPIRE. INNOVATE.

Icon Electromatic was started in Bengaluru, India by skilled engineers with decades of experience in RF, Microwave, Semiconductors and Service Industries and later extended the presence to other cities in India, Israel, Singapore and USA. With our expertise and understanding of the ecosystems in Research, Development and Manufacturing of the Space Organisations, Aerospace & Defence industries along with years of strong collaborations with leading manufactures worldwide, we engage not only in supplying the most advanced components from global leaders, but also in providing business consultancy and RF design services to enable bespoke solutions for our clients.

ICON Electromatic – Fulfilment Partners for Your Electronic Ambitions



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Icon Electromatic brings you the building blocks required to convert your designs into reality- Be it a project in Avionics, RADAR or Electronic Warfare, HiRel components requirement for Space research, developing indigenous solutions for 5G infrastructure, a SATCOM project in your institution or an Antenna development for Homeland Security or even a new state of the art Smart City project



Aerospace & Defence



Hi-Rel/Space



5G/Telecom/Mobility



SATCOM



Smart City



Homeland Security

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ICON Electromatic – Fulfilment Partners for Your Electronic Ambitions

Our Services

Representation of Global OEM's

We represent major RF, Microwave, mmWave, Semiconductors, Components, Subsystems and Power supplies manufacturers around the world, providing unparalleled support to electronic designers, manufacturers, engineers and researchers.

Product Supply and Logistics

With our expertise and understanding of the ecosystems in Electronic Research, Development and Manufacturing Industry, be it in public or private sector, and with years of strong collaborations with manufactures worldwide, we can suggest the most apt products to fulfil your designs

Design and FAB Assistance

We work in collaboration with design and PCB fabrication houses through our partnership with them, to help in providing unique support and exclusive access to our manufacturers. We provide design and application consultation and PCB Fabrication with – MMICs, RF components, Sub-systems, 5G communication requirements, telecommunications and more.

Business Consultancy

Icon Electromatic's leadership collectively carries centuries of professional expertise in various business domains. We further stretches it through meaningful partnerships with Global Leaders. We help organisations for Digital Transformation, Work From Home solutions, next generation Business Process Outsourcing, Make in India initiatives and many more.

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Our Products

Passives

- High-Frequency Circuit Material
- Embedded Resistors
- Embedded Capacitors
- RF Absorbers
- RF /MW Cable assemblies
- Drop-in Isolators & Circulators
- Microstrip Isolators & Circulators
- Surface-mount Isolators /Circulators
- Coaxial Isolators /Circulators
- Waveguide Isolators /Circulators
- Fixed Attenuator Pads
- Beam Lead Capacitors
- Binary Capacitors
- MIS Capacitors
- Lange Couplers
- Diode Submounts
- Filters
- Mounting Substrates
- Spiral Inductor Coils
- Shims
- Resistors
- Standoff Capacitors
- Transmission Lines
- Thin Film Circuits
- Thermal Heat Spreaders
- Bond Pull Coupons
- Power Dividers/ Combiners
- RF Limiters

Active components

- GaN MMICs
- GaAs MMICs
- GaN discrete
- Si Core ICs (Beamforming Chip)
- Active Antenna ASICs
- mmW Front End ICs
- RF Switches
- RF Limiters
- Integrated switch limiter
- Switch Matrices
- PIN Diodes
- Beam Lead PIN Diodes
- Limiter Diodes
- Step Recovery Diodes
- Point Contact Diodes
- Schottky Diodes
- Schottky Barrier Bridge Quads
- Schottky Barrier Ring Quads
- Zero Bias Schottky Detector Diodes
- Sampling Phase Detectors
- Low Noise Amplifier
- Power Amp
- GaN Transistors
- GaAs FET Switches
- Digital Step Attenuator

Subsystems

- SSPA
- TR Modules
- Active Antenna Array
- Wideband Phase Shifters
- High Power IFF Phase Shifters
- Wideband tuners
- millimetre-wave Digital Radios
- Radar Front Ends
- Broadband Receivers
- Custom Integrated Assemblies

Services

- Custom MMIC design from RF to mm-wave
- Comprehensive GaN and GaAs expertise
- High-frequency modules and packaging
- Innovative design for highest performance.
- Components, Super components, Plug-in cards
- ODU, IDUs, Front ends, T/R modules, Receivers, Transmitters, Exciters, Synthesizers, Transponders, SSPA.
- Wideband tuner
- PCB Fabrication
- Thin Film Processing
- Metallization
- Wafer Dicing
- Ion Beam Milling

Systems

- High Voltage Power Supply
- Thermal Imagers & Surveillance Systems
- Perimeter and territory security systems

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