



Established in 1992, Elkay International is one of the leading sources for components in Electromechanical Systems, Frequency Control Products, Navigational Systems, RF & Microwave and Surveillance Systems. The group services powerful market segments in India, like Military & Space Electronics, Avionics, Aerospace and Telecommunications.

With offices in the US, Europe and Singapore, Elkay has a strong global presence. Its European base in the Netherlands serves its European principals and its base in Singapore services its Far Eastern principals.

The marketing arm of Elkay International, Elkay Electromech India Pvt Ltd., (formerly known as Aarjay International Pvt Ltd) has offices in strategic business locations in Bangalore, Chennai, New Delhi, Hyderabad and Ahmedabad.

RF & MICROWAVE Products

Microwave Amplifiers:

Broad band Power Amplifiers, Directional Couplers, Hybrid Couplers, Power Dividers, Switches, Filters.

AAMCS

www.aa-mcs.com

Optical Components:

Q-switch drivers for LASER, **P**ulse pickers + associated RF drivers, **A**cousto-Optic Deflectors, **A**cousto-Optic Frequency shifters, **A**cousto-Optic Modulators.

AA OPTO-ELECTRONICS www.aaoptoelectronic.com

Semiconductor:

Power Amplifiers, LNA's up to 6GHz, RF IC'S, PLL chips-frequency up to 6GHz, Gain Block Amplifier.

ADVANCED SEMICONDUCTOR BUSINESS INC, (ASB)

www.asb.co.kr

End-to-End RF Communication link for UAV, Onboard Antenna, Positioners:

End-to End RF Communication link for UAV, On Board Antenna Tracking Systems, Base station positioners & monitoring systems, RF Front End, Filters, Diplexers. LNA's & Amplifiers for UAV, Video Compression for TX & Rx, Radio Modem.

ADVANTEN www.advanten.fr

RF Passive Components:

Power film Components (KDI), Adapters (In series & between series), Fixed Attenuators, DC Blocks up to 50GHz, Terminations, Gain Equalizers (up to 18GHz), Short Circuits (DC to 40GHz), Power Divider (Wilkinson & Broadband resistive Power Dividers up to 26.5GHz), RF High Power Chip & Flange Attenuators, Resistors up to 12.4GHz & Terminations up to 18GHz, Bias Tees up to 50GHz, Couplers, Detectors (Zero Bias Schottky Detectors up to 4GHz), Dust and Moisture Caps. Space Grade Components: Chip Attenuators, Chip Resistors.

API TECHNOLOGIES INMET

www.inmet.apitech.com

Filters, Amplifiers and Oscillators:

Detectors (Threshold and Level), Mixers (10MHz to 18GHz), DRO's, Synthesizers, SAW Filter & Delay Modules, Combline generators, Limiters, Detectors up to 3GHz, PIN Diode drivers, A/D & D/A Converters, Voltage References, Receiver Protector Solutions, Delay lines up to 6GHz, Rotary Joints up to 40GHz, Phase shifters up to 40GHz, Power dividers up to 18GHz, Patterning of metallized Alumina Substrates, Amplifiers (Low Noise Amplifiers, Power Amplifiers, Limiting Amplifiers), Attenuators (Voltage Variable and Digital). Space Grade Components: VCO (Hermetically sealed from 30MHz-3000MHz), LNA up to 3GHz, Switch (Pin Diode, GaAs).

API TECHNOLOGIES (SPECTRUM MICROWAVE INC)

www.micro.apitech.com

Waveguide Components & Subsystems:

Attenuators, Between Series Attenuators, DC Blocking Attenuators and DC Bias Passing Attenuators, Calibrated attenuator sets, DC-67GHz Waveguide components from 1W to 50kW power handling, Waveguide to Coaxial adapters, Waveguide-bends (Flexible, Twistable, Seamless), Transitions, Antenna Feeds, Isolators, Circulators, Diplexers, Magic Tees, Amplifier Output Assemblies, Couplers: Cross-Guide Couplers, Directional Couplers, Hot Standby Couplers, Frequency Combiners, Double Ridge Components, Waveguide Fillers, Phase Combiners, Variable Power Combiners, Rotary Joints, Pressure Windows, Terminations, Accessories.

APOLLO MICROWAVES

www.apollomw.com

Antennas, Positioners, Rotators & Accessories for Antenna System:

Omni directional Antennas, Directional high gain Antennas, Tactical Antennas, Log Periodic Antennas, Array Antenna, Horn Antenna, Positioners and Rotators: Single Axis Positioners, Elevation over Azimuth Positioners, Azimuth over Elevation Positioners, Position Controllers, Positioning System for Mobile Satcom Terminals, Trimming positioners for point-to-point link management, Reflector feeds: Multi band, Mono pulse, Radar, Broad band, Interchangeable kits, custom feed, Integrated Antenna Systems, Antenna & RF Testing Services, Accessories for antenna system.

ARA INC www.ara-inc.com

Wired & Wireless Communication IC's:

IC's with functions such as Modems, Base Band Processors, RF Receivers, RF Transmitters, Transceivers, Filters, Transcoders, Vocoders for various Commercial & Military applications in Wired and Wireless communications such as PABX, SDR Radio, PMR Radio, Digital/Analog Radio.

CML MICROCIRCUITS LTD www.cmlmicro.com

Synthesizers:

Integrated Synthesizers, **D**RO's, **C**RO's, **P**DRO's, **P**CRO's **P**LDRO's (DC-40 GHz), **M**iniature Block Up/Down Converters (C, X, Ku, Ka band signals to L-Band or vice versa).

TECH INC (CTI)

www.ultra-herley.com

Crane Aerospace And Electronics (MERRIMAC):

0° & 90° Dividers/Combiners Directional Couplers, Power Dividers, Hybrid Junctions, Mixers / Detectors/Modulators, Iso-Dividers, Mixers, Available in Space Qualified and Commercial models also with Flat pin, SMD, Connectorized packages.

MERRIMAC www.craneae.com

Global Foxcom:

RF to Fiber converters (Single Channel and dual channel) covering frequency range of 10 MHz to 20 GHz upto 100 Kms, Wideband DWDM Transmitter, 10MHz Reference Signal RF Link, Chassis Kit, DWDM/CWDM Long Distance SFP, Multiplexer & Demultiplexer, Optical Ethernet Link, WDM Module, Optical Splitter/ Diplexer, Redundancy Switch, RF Gain Amplifier, Time & Reference Distribution, Outdoor RF/Fiber Solutions, GPS / GNSS Repeater

GLOBAL FOXCOM www.foxcom.com

RF Passive Components:

Duplexers, Multiplexers, Couplers, Combiners, Dividers, Broadband Mixers, Up & Down Converters, PIN diode limiters.

DETI www.deti-sa.com

Coaxial & Waveguide Solutions:

Rigid Coaxial Line, Coaxial Cable, Elliptical Waveguide, Circular Waveguide, Pressurization Equipment Dehydrators, Monitors & Manifolds, Pressurisation Components., Motorised mechanical switches.

ELECTRONICS RESEARCH, INC. (ERI) www.eriinc.com

Frequency Extension Products:

Frequency Extension products - expand existing Vector Network Analyzer (VNA), Signal generator, Spectrum Analyzer capabilities up to 325GHz, LNA amplifiers, Radar Front End Module up to W Band, CobaltFx mm-wave VNA Test & Measurement, CobaltFx Calibration Kit & Cables, Block down Converters, Amplifiers, Calibration Kit (FEK), Frequency Converters, Frequency Sources, Harmonic Mixers (WHMB), Mixers and Detectors, Multipliers, Noise Sources, Planar Detectors (WOP), Sub Harmonic Mixers (SPM), VNA Frequency Extender FEV - FEC - FEK, Signal Generator Frequency Extenders, Noise Figure Analysers, Frequency Extenders, FMCW/Imaging, mmWave Components, Custom Solutions.

FARRAN TECHNOLOGY LTD www.farran.com

Impedance Matching Tuners & Pulsed IV RF Measurements, Device characterization & Modelling:

Load Pull & Source Pull and Noise Measurement solutions for RF active device characterization using Automatic Tuners, Fundamental Wideband Tuners, Multi-purpose Multi-Harmonic tuners, High Reflection tuners, Low frequency (< 100MHz) Tuners, Manual Tuners over the widest frequency range (30MHz to 110GHz) and Power (up to 450W CW). Measurement and characterization software, Load pull setup accessories (Transistors test fixtures, VNA TRL calibration kits, Tuner Probe Stations and Integrated Solutions, PULSED IV RF Measurements, DEVICE MODELING).

FOCUS MICROWAVES

www.focus-microwaves.com

VIVA TECH:

Millimeter Wave Amplifiers, Active Frequency Multipliers, VCO Frequency Sources, PLO Based Frequency Sources, Waveguide Mixers, Detectors, Isolators, Variable / Fixed Attenuators, Couplers, Filters, Horn Antennas, Downconverter Modules, Frequency Extension TR_R Module Sets, Cryogenic Primary Noise Standard

VIVA TECH www.vivatechmmw.com

RF Passive Components:

DC to 110 GHz Cable assemblies, **C**oaxial Cables- Rigid & Flexible, **C**oaxial Connectors, **C**rimping tools, **T**orque wrenches.

HYTEM (ONLY FOR CABLE ASSEMBLIES)
www.hytem.net

RF Power Transistors:

RF Power LDMOS, VDMOS, GaN, Bipolar Transistors for AVIONICS platform like TACAN, IFF for Pulsed RADAR platform in the L, S, C and X band. Pallet & Module amplifiers up to 2KW.

INTEGRA www.integratech.com

RF Passive Components:

Attenuator Assemblies, RF Switch Assemblies, Transceiver Testing, Programmable Attenuators, Switches, Power Dividers / Combiners, Fixed Attenuators. Terminations & Rotary Attenuators (DC-40GHz), Panel Mount Attenuators, Push button Attenuators, Toggle & Rocker Attenuators, USB Programmable Attenuators, RF Test System (Programmable Attenuator assembly), RF Matrix switches, Handover test system, Test Accessories.

JFW INDUSTRIES, INC www.jfwindustries.com

Filters:

Tunable Filters: Manual Tunable Filters, Digitally-Controlled Tunable filters (Transmit Filters, Receive Filters, Notch Filters, Suspended Substrate, Wave Guide, Ceramic Filters), Duplexers / Diplexers, Multiplexers, Switched Filter Banks, PIN Diode Switches, Test Set Solutions, Custom Integration, Wireless Filters, Wireless Duplexers, Wireless Assembly.

K & L MICROWAVE www.klmicrowave.com

Space Grade Components: Filters up to 40 Ghz.

Microwave Amplifiers:

Solid State Power Amplifiers - CW/Pulsed Amplifiers 20kW up to S Band, 1kW up to C Band, 100W up to X band, 1W up to Ku band, Modular LNA's up to 20GHz and Power Amplifiers, Amplifiers for IMD testing.

MICROWAVE AMPLIFIER LTD www.microwaveamps.co.uk

RF Passive Components:

Directional Couplers up to 67GHz, Dual Directional Couplers up to 40GHz, 2 way Power dividers up to 45GHz, 4 way Power dividers up to 40GHz, 8 way Power dividers up to 18GHz, Detectors (Zero Bias Schottky Detectors, Planar Doped Barrier Detectors up to 40GHz, Broadband Planar Tunnel Diode Detectors, Broadband Threshold Detectors up to 18.5GHz, Directional Detectors up to 50GHz), 3dB 90degree Hybrid couplers up to 40GHz, 3dB 180degree Hybrid couplers up to 26.5 GHz, Coaxial Limiters (Broadband PIN-Schottky Limiters, Broadband PIN-PIN Limiters up to 18GHz), Coaxial Terminations up to 67GHz, Coaxial Adapters up to 50GHz, Beam Forming up to 18GHz.

KRYTAR www.krytar.com

Thermo-Vacuum Compatible: In-series and between series adapters - 2.92 mm, 2.4mm, coupler & power divider.

RF Components:

RF Up converters, RF Down converters, **L**ow noise Amplifiers up to 10GHz with 35dB gain, **RF** Bidirectional Amplifiers (BDAs) up to 2.5GHz, **11**W Power Amplifiers up to 50W, **RF** Filters, **RF** Photonics. **Pre-selectors** & Tuners, **S**ynthesizers & RF Signal Sources, **M**iniature Harmonic Filters, **H**igh Performance Cavity Filters & Custom Filters.

NUWAVES ENGINEERING www.nuwaves.com

Digital Tunable Filters:

Electronically Tunable Band Pass Filters (10MHz To 24GHz): Narrow Band Filters (single octave): NANO-POLE Series, MINI-POLE Series, MINI-POLE Series, MAXI-POLE Series, MAXI-POLE Series, POWER-POLE Series, MEGA-POLE Series. Wide Band Filters (multi-octave): NANO-ERF Series, MICRO-ERF Series, MINI-ERF Series, ERF-5W, Series. Notch Filters: MINI-POLE Notch Series. MAXI-POLE Notch Series, POWER POLE Notch Series. Integrated Cosite Equipment (ICE). Cosite Interference Analysis Software, VHF & UHF 4 Port Digitally Controlled Tunable Multicouplers, Pre selectors.

POLEZERO

www.dovermpg.com/ polezero

M2 Global Technology Ltd:

Coaxial/Drop-In/Waveguide/Flange Circulators & Isolators, Iso adaptors, Directional Couplers, Integrated Iso filters Couplers & Dividers, Microwave Radio Receiver Couplers & Splitters, Coaxial Power Dividers

M2 Global Technology Ltd. www.m2global.com

Oscillators & Synthesizers:

Multiplied Gated Crystal Oscillators, Phase Locked Oscillators (PLO/PLL), **D**river Amplifiers & Synthesizers, RF Transceivers, IFF1030MHz, **2**50Watt Power Amplifiers with PAM & PSK modulation, **G**ated Avionics IFF Oscillator Modules, **R**F transceiver module 868 - 915 MHz, **1**030-1090 MHz Oscillator Modules.

ROPET DESIGN www.ropetrfdesign.com

Microwave Switch & Amplifiers:

Microwave Switch, RF Amplifiers, Attenuators, Detectors, DC Block/Bias Tee, Limiter 5MHz to 65GHz.

S2D MICROWAVE www.s2dmicrowave.com

Microwave SMD Components:

Voltage Controlled Oscillators (VCO) up to 18GHz, SAW Oscillators up to 2GHz, Dielectric Resonator Oscillators(DRO) up to 20GHz, PLL frequency synthesizers, Couplers up to 18GHz, Hybrids up to 8GHz, 2 way Power Dividers up to 16.5GHz, 3 way Power Dividers up to 2.3GHz, 4 way Power Dividers up to 6GHz, LPF's, BPF's, HPF's, Bridge Combiners, Transformers up to 6.5GHz, Mixers, Modulators, Demodulators, Frequency doublers, Phase comparators, phase detectors, phase shifters, DC blocks, Test Fixtures & Evaluation Boards.

SYNERGY MICROWAVE CORP

www.synergymwave.com

High Power SMD RF Switches:

RF Isolation Switch for Rx Protection, **H**igh Power (10W, 20W,100W) RF SP2T, **S**P3T, **S**P4T Switches for SDR, **T**R Modules. Smallest Front End RF switch for TxRx Telecom Systems.

TAGORE TECHNOLOGIES www.tagoretech.com

AGC Nelco:

AGC Nelco develops and manufactures high-technology digital, RF/microwave printed circuit materials for the telecommunications, infrastructure and aerospace segment.

FR-4, High-Tg and high-speed epoxy materials, Advanced materials such as BT, Polyamide, Mercury wave and Cyanate ester.

AGC NELCO www.agc-nelco.com

Material for 5G connected world. (Meteor wave 2000/3000/3350/4000/8000/8350)

Hyperion Technologies:

Optical Imager / Camera with focal length of 16, 25, 35 or 50 mm, Star Tracker, Qualified for human spaceflight, Sun Sensor, Magnetometer, GNSS receiver, Reaction wheel up to 12U Satellite. Magnetorquers, Payload Processor, Space-to-ground laser communication.

Hyperion Technologies www.hyperiontechnologies.nl

ELECTRO MECHANICAL PRODUCTS

Motors and Blowers:

DC Motors & Gear Motors, AC Motors & Gear Motors, BLDC Motors & Gear Motors, Torque Motor, DC/AC-Tube axial Blowers/vane axial Blowers, Cooling Fan, Tachometer Generators, Limited Rotation Torquers.

Highlights: MIL- Motors, Torque Motors and Direct drive Motors

GLOBE MOTORS www.alliedmotion.com

Smart Encoders and Actuators:

Rotary Encoders, Linear Encoders, Rotary Actuator, Displays and interfaces, Inclinometer, Couplings, OEM and custom products, Accessories.

Highlights: Encoders with high shock and Vibration level and IP68 protection.

LIKA www.lika.it

Slip Rings and Rotary Joints:

Slip Rings - Encapsulated Slip Rings, Co-axial Slip Rings, Free Inner Bore, Hybrid Slip Rings. Fiber Optic Rotary Joints & Media Rotary Joints.

Highlights: Hybrid rotary joints, Fiber Optic Rotary Joints with 60 Channel.

SCHLEIFRING www.schleifring.com

Circuit Breakers & Thermostat:

Magnetic Circuit Breakers, Aircraft Circuit breakers, Thermostats & Temperature Sensors, Micro switches, Precision Pressure switches.

Highlights: Hi-Rel thermostat, Mil qualified circuit breakers, micro switches and limit switches.

SENSATA TECHNOLOGIES

www.sensata.com

Actuators and Special Motors:

Actuators (Rotary& Linear) RVT's & RVDT's, Resolvers, MILGrade Synchros, Hi-Rel DC/AC Gear motors, BLDC Motors etc.

Highlights: Aerospace grade Actuators & Motors.

ZODIAC AEROSPACE (PRECILEC)

www.zodiacaerospace.com/en

Crouzet:

Crouzet expertise in design and manufactures of Switches & Position Sensors, Circuit Breakers, Cockpit controls, BLDC motor, Electromechanical Actuators, force & load Sensors and Instrumentation services to Aerospace & defense, Industrial segments, Transportation and Energy segments.

CROUZET www.crouzet.com

Phytron:

Phytron one of the leading manufacturer of high-precision Stepper Motors and Linear Actuators with Optional Gears and feedback systems.

Phytron offers: Space qualified Stepper motor & Actuators, Linear Actuator and Stepper Motor for Vacuum & Cryo, Smooth running stepper motor for industrial and IP protected stepper motor for harsh environment.

PHYTRON

www.phytron.eu

Safran Electrical & Power:

Safran Electrical & Power offers a wide range of Mil-Spec qualified relays and application specific devices. It switch and distribute electrical power in Commercial and General aviation, Military aircraft and off-highway vehicle markets.

Safran offers: 230V AC contactors, 115V AC contactors, 28V DC contactors up to 600A.

SAFRAN ELECTRICAL & POWER

www.safran-electrical-power.com

FREQUENCY CONTROL PRODUCTS

Crystals, Crystal Oscillators, TCXO, OCXO, EMXO, VCXO, VCSO, SAW Filter, Crystal Filter, LC Filter, Disciplined Oscillators, Diplexers - for Military & Space, Industrial, Wireline, Wireless segments.

Highlights: Space & High-Rel Oscillators and Filters, Low Phase noise, High Stability, High Shock & Vibration, Low g-sensitivity, Ultra low jitter.

MICROSEMI - A MICROCHIP COMPANY (ERSTWHILE VECTRON INTERNATIONAL)

www.vectron.com

SECURITY SYSTEMS

Infra-Red Cameras:

SWIR (Short Wave Infrared), MWIR (Mid Wave Infrared), LWIR (Long Wave Infrared) Ranges, Detector arrays.

XENICS

www.xenics.com/en

RF DESIGN & SYSTEM INTEGRATION

UP-Down Convertor, TLT, Custom RF solutions and Systems:

TLT up to Ku Band, UP-Down Convertor up to Ku Band, Block down convertors, Image rejection Mixers, IQ Mixer, Synthesizer, PLL, Power Amplifier up to 4GHz, Power Dividers, Hybrid Coupler, Filters, Obsolete Management, Module Replacement, System Integration.

ELKAY SYSTEMS

www.elkayindia.com















Electromech India Pvt. Ltd.

Elkay Electromech India Private Limited

Single source for your critical component needs

No. 790, 11th Main, Vijaya Bank Layout, Bilekahalli, Bangalore - 560 076. India Tel 080 46897200 Fax 080 43409299 Email elkay@elkayindia.com Website www.elkayindia.com

Regional office:

Delhi
 Ahmedabad
 Hyderabad
 sales@elkayindia.com

Office	Telephone	Fax	E-mail
Elkay International Inc., USA	1-973-927-8647	1-973-927-5370	elkay_usa@elkayintl.com
Elkay International (Europe) BV	31-71-524 9290	31-71-524 9291	elkay_europe@elkayintl.cor
Elkay International (Asia) Ltd., Singapore	+65 6728 9279	+65 6482 1103	julie@elkayintl.com