

TEST & MEASUREMENT PRODUCT PRINCIPALS

OSCILLOSCOPES, RF WATTMETERS, ANALYSERS, GENERATORS, EMF MONITORING SOLUTIONS, BENCH/RACK MOUNT PSUs & ELECTRONIC LOADS



APM Technologies

- Price Competitive High Efficiency Programmable DC Power Supplies for Automotive, Aerospace, Industrial, Scientific, Defence & Medical Applications.
- Rack Mount DC Programmable Power Supplies including Low Noise Linear Designs.
- Rack Mount AC Programmable Power Supplies.



Bird Technologies

- The "Original & Best" ThruLine® Wattmeters.
- Handheld VNA/Spectrum Analysers & Antenna Testers.
- PC & Rack-Mount Spectrum Analysers.
- Wafer Fab Specific, High Accuracy RF Power Measurement Systems.
- Handheld Analogue & Digital RF Power Meters & Wattmeters.
- Broadcast Power Measurement & Monitoring Systems.



Cleverscope

- PC Based Mixed Signal Oscilloscopes.
- 2 Analogue & 8 Digital Inputs.
- 4 Isolated Channel USB Oscilloscopes.
- Lifetime Warranty.



Environmental Stress Systems

- Thermal Platforms (Hot/Cold Plates)
- Mechanical (MRPT), Nitrogen (LN₂) or Liquid Carbon Dioxide (LCO₂) Controlled Platforms.
- Cryogenic Metal Treatment Systems.
- Biomedical/Pharmaceutical Thermal Platforms.
- Liquid Recirculating Chillers.
- Cascade Condensers.



Farran Technology

- Frequency Extension Products for VNAs/PNAs/PNA-Xs, SAs, NFAs & Signal Generators (40 to 500GHz).
- Low Cost mmWave, 2 Port VNA Test Solutions (50 to 75GHz, 60 to 90GHz & 75 to 110GHz).
- Frequency Extension Controller Modules & Extender Calibration Kits (40 to 500GHz).



GW Instek

- Compact, Touch Screen Oscilloscopes.
- Oscilloscopes from 70 to 500MHz.
- AC & DC Power Supplies.
- Waveform, Function & Arbitrary Waveform Generators.
- Spectrum Analysers.
- Benchtop DMMs to 6½ Digits.
- Component Testers.
- Electrical Safety Testers.



ITECH

- Bench & Rack Mount DC Programmable Power Supplies including Low Noise Linear Designs.
- Bench & Rack Mount AC Programmable Power Supplies.
- Bench & Rack Mount DC Programmable Electronic Loads including Multi-Channel Models.
- High Voltage Power Supplies to 2,250V DC.
- Battery Test Systems including Battery Emulators & Solar Battery Test Systems.
- Power Analysers for AC & DC Systems to 600Vrms.



Keysight Technologies

- Digital Oscilloscopes for all Applications & Budgets from 70MHz to 6GHz with Touch Screen Operation and a Wide Range of Decode Software Option Models Available.
- Benchtop & Handheld DMMs, LCR Meters, Current Clamps, Cable/Antenna Testers & Spectrum Analysers.
- Power Supplies & Electronic Loads with Ultra-High Precision & Low Noise Models.
- Frequency Counters.
- Data Acquisition & Signal Switching Systems.
- Function & Arbitrary Waveform Generators.



PicoTest

- 50MHz Arbitrary Function Waveform Generators.
- 1Hz to 40MHz Vector Network Analysers.
- 6½ Digit Digital Multimeters.
- 150W Lab Power Supplies.
- 12 Digit, 6GHz Universal Frequency Counters.



Tablor Electronics

- World Class High Speed Arbitrary Waveform Generators & Function/Pulse Generators.
- Software Package to Create Complex Waveforms.
- Wideband Amplifiers.
- PCI/PXI Instruments.



TDK Lambda

- Programmable Power Supplies.
- Genesys range, 200W to 15kW, Rack Mount, 1U to 3U sizes.
- Z+ range, 200W to 800W, Rack Mount, Half-Width or Bench Versions.
- Custom Solutions Available.



Wavecontrol

- Radio Frequency & EMF Safety Monitoring Solutions for Worker Protection & Legislative Compliance.
- In-Situ Permanent Monitoring Systems.
- Handheld Portable Monitoring Systems.
- Large Area Electromagnetic Mapping Solutions.



X-COM Systems

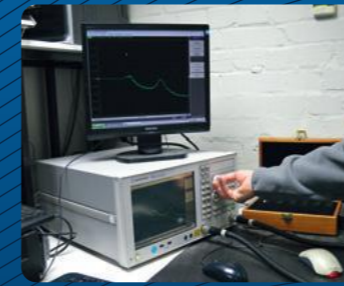
- RF Capture, Recording & Playback Systems.
- Spectro-X Spectrum Playback & Analysis Software.
- RF Editing & Creation Software.
- Multi-Channel, Independently Programmable, Broadband Signal Generators.
- Customised Solutions for Interference Analysis, Covert Surveillance, Radar Signal Analysis & Wireless Systems.

IN-HOUSE CAPABILITY

DESIGN & TEST TO 40GHZ, POWER GENERATION & POWER MEASUREMENT TO 1KW WITH 3% ACCURACY

SERVICE & CALIBRATION

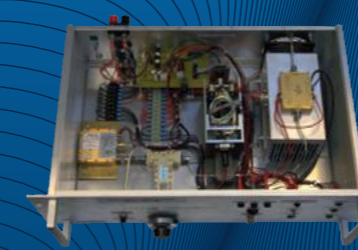
Aspen Electronics Ltd has been working with Bird Technologies since it first started in business over 40 years ago. As the Bird Technologies' dedicated European Service Centre, we service, repair & calibrate the majority of Bird products at our West London facility. Our primary work is the calibration of RF power, plus the repair and refurbishment of High Power Loads and Attenuators.



To ensure we offer the best service possible, we recently invested in High Power Amplifiers, plus associated equipment to ensure we are able to generate spur free, high power RF signals, vital for good calibration.

Power measurements are made using our high accuracy, high repeatability, Bird Technologies metrology grade RF Wattmeters as transfer standards, plus very high accuracy broadband RF Calorimeters as primary standards. In addition, we use a variety of "special to type" test instruments to ensure your Bird Wattmeter is in optimum operating condition.

With additional equipment such as Spectrum Analysers, Network Analysers and many other instruments, Aspen Electronics is able to calibrate a wide range of RF & Microwave equipment. This facility also gives us the ability to support many of the RF & Microwave Components & Sub-Systems we offer.



DESIGN & MANUFACTURE

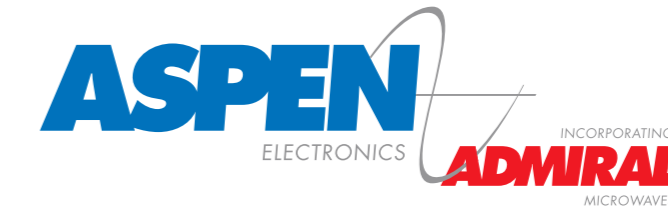
With more than 40 years' experience of RF & Microwave Components & Systems, plus a well-equipped service facility, Aspen Electronics is able to design, manufacture and test "special to type" RF & Microwave Sub-Systems and Instrumentation products.

A High Power (2W), 40GHz Phase Locked Source with phase and amplitude control (above top).

A 3GHz Signal Generation and Conditioning System (above bottom).

These represent just some of the products we have built to customer specifications.

Whatever your requirements, our dedicated and experienced design team are here to help provide the right solution for your needs.



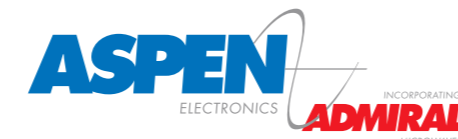
ON YOUR WAVELENGTH

- + COMPONENTS
- + TEST EQUIPMENT
- + DESIGN & MANUFACTURE
- + SERVICE & CALIBRATION

THE ASPEN ADVANTAGE

5 PRODUCT SHORTFORM
DEC 2018 - ISSUE 5

LINE CARD



ON YOUR WAVELENGTH

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