

Global Test & Quality Solution Partner

Innovation
for the Entire
Product Lifecycle



We can support you worldwide – wherever and whenever you need us.



Our Solutions

Prototyping & Consulting Services

By analyzing requirements, testability and yields, or by doing feasibility studies, we can optimize your product designs at the earliest stages. We're experts in TestWay, BIST, ICT, flying probe, X-ray, boundary scan and more.



Precision Assembly & Production

Due to miniaturization, accurate gluing, welding, laser and assembly solutions are essential for next-gen products. To ensure the highest quality, we offer ultra-precise dosing, fixation, positioning and real-time feedback.



Automated Test Solutions

We design, manufacture and support a wide range of turnkey test systems for leading global OEMs. Our solutions include zero-defects vision inspection, functional testers, custom smart fixtures, pneumatics and robotics.



In-Line Test Systems

Our fully integrated assembly and test solutions will optimize your manufacturing processes, performing fast verification, EOL testing and quality control, supported by quick fixture changes and full traceability.



Test System Replication

We offer industry-leading Build-to-Print services at our high-volume facilities in North America and Europe, where we source, assemble, validate and ship best-in-class test stations around the world.



Test Platforms & Products

Our award-winning RF and Broadband products like Signal Generators, RF Record & Playbacks, and DOCSIS Protocol Analyzers feature substantial expertise gained from hundreds of customers and installations.

Our Expertise

Today's product developers face issues like more complex technology, increased competition, product returns, lack of test expertise, and regulatory compliance. Discover why so many Global 500 companies rely on Avera to solve these challenges and gain important competitive advantages.



Vision Systems



RF & Microwave



Optics



Robotics & Motion



Instrumentation



Control Systems

“At Avera, innovation is not optional – it’s part of our DNA.”

André Gareau
President & CEO, Avera

1 Integrated Global Team



Why Partner with Avera?

Innovation

We utilize the latest partner technologies and leverage expertise from our vast project experience.

Teamwork

We focus on client success at every stage – from design and build through integration and support.

Client Focus

We work very closely to ensure the right solutions, beneficial synergies and tight project coordination.

Performance

We apply best practices, ISO 9001:2008-based processes and the most efficient services to every project.

Our Industries

Benefit from our extensive track record in many sectors, where we deliver essential expertise and best-in-class solutions, all driven by innovation, solid engineering, and key technology partnerships – helping ensure your products reach the highest quality on time and on budget.



Consumer Electronics

Some of the largest OEMs in the world turn to Avera for our experience in Design for Test, RF, FPGAs, digital processing, smart fixtures, and more. Our test expertise and solutions play a large role in the performance of many smartphones, tablets and devices, to name a few.



Automotive & Transportation

When it comes to cars, boats, trains and planes, Avera has made many impressive test advances for infotainment systems, dashboard inspection, system buses, ECUs, wheel-speed sensors, radar, in-flight entertainment, vessel positioning, train systems, and more.



Life Sciences

We have considerable experience in this industry, providing turnkey solutions for medical devices like ECG, NIBP, SpO2, and temperature monitors, pacemakers, defibrillators, ambulatory / portable monitoring, and cable and lead wire systems – including V&V and IQ/OQ/PQ support.



Aerospace & Defense

Our comprehensive offering for this sector includes consulting, ATEs, fixtures, chambers, signal generators, and RF Record & Playbacks, and our processes are governed by certifications such as ISO 9001, CSIA, CGP, and ITAR registration.



Semiconductors

Our expertise in MEMS, characterization, calibration and validation ensures thorough product testing. We offer turnkey inspection and measurement solutions, including ASIC and IC platforms, for fast processing, key data analysis, and maximum traceability.



Telecom Infrastructure

For telecom OEMs, Avera offers a wide range of RF and optics test solutions, including an entire suite of design-through-production broadband testers, protocol analyzers, channel emulators, and an array of test stations including calibration and functional.



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