



## SSI's In House Testing Capabilities

SSI has made significant capital investments to support our in-house testing capabilities. This in house capability enables us to have more exacting control of schedule and performance for existing and future electronic, electro-mechanical, electro-optical, products. This gives you, the customer, a final tested product that conforms to all your specifications at a lower cost and within your required schedule.

- **Product Qualification Tests**
- **First Article Test (FAT)**
- **Control Tests**
- **Environmental Stress Screening**

## Standard Test Capabilities

<u>CLIMATICS</u>	<u>DYNAMICS</u>	<u>FLUID SUSCEPTIBILITY</u>
■ High Temperature	■ Sinusoidal Vibration	■ Cleaning Agents
■ Low Temperature	■ Random Vibration	■ Lubricants
■ Humidity	■ Basic Shock	■ Fuels
■ Temperature and Humidity	■ Gunfire Shock	■ Hydraulic Fluid
■ Submergence	■ Ballistic Shock	■ Deicing Agents
■ Water Jet	■ Sine on Random Vibration	■ Extinguishing Agents

Climatic, Dynamic and Fluid Susceptibility testing performed at SSI is in accordance with MIL-STD-810, RTCA / DO-160E and customer-specified special tests.

SSI Engineering designs and builds special test equipment for the unique electronic, electrical, mechanical, electro-mechanical and electro-optical products produced for our customers. Special test procedures are documented and subject to review and approval by the customer. SSI's test equipment is calibrated, and all measurements are traceable to national standards in accordance with ISO-10012-1.

## SPECIAL PRODUCT TEST EQUIPMENT

### ELECTRICAL/ELECTRONICS

Automatic Circuit Test  
Circuit Card-Analog  
Circuit Card- digital  
Power Distribution  
Control Systems

### ELECTRO-OPTICAL /ELECTRO-MECHANICAL

Small Diesel Engine  
Laser Rangefinder  
Laser Energy Output  
Electro-imaging System  
Optical Inspection