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**STL**   
STELLAR TECHNOLOGY  
INCORPORATED

Pressure / Temperature / Load Instrumentation  
Analog and Digital Transducers & Transmitters

AEROSPACE

## Products

### Pressure



- 0-1 PSI to 100,000 PSI
- Gage, Absolute, Differential, Vacuum, Compound
- Analog Outputs of 4-20 mA, 3/4 Wire Voltage
- Digital Outputs of MODbus, CANbus, RS-232, RS-485
- Stainless Steel, Titanium, and High Nickel Alloys
- Replaceable Stainless Steel Diaphragms.
- Cleanable Pressure Ports
- Radiation Hardened Electronics

### Temperature



- -320°F to 800°F
- Pressure Rating to 10,000 PSI
- Analog or Digital Signal Outputs
- Probe Lengths to 12"
- Dual Pressure/Temperature Output Units
- Shock and Vibration Protected
- Grade 1 Electronics per EEE-INST-002

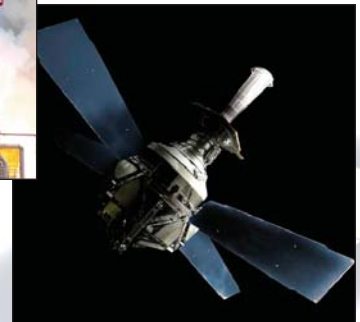
### Load/Force



- 5 lb. to 1,000,000 lb.
- Tension / Compression
- Pancake, Rod End, Miniature, Thru Hole, Beam, Canister
- mV/V or Amplified, Analog or Digital
- Stainless Steel, Tool Steel, Aluminum, others
- Multiple Bridge Outputs
- LOX Cleaned Options

# Applications

## Applications



### General Purpose

- Components testing
- Systems testing
- Materials testing
- Service support testing

### Qualification Testing

- Flight simulators
- Iron Bird testing
- APU testing
- Hydraulic systems
- Linear/Rotary actuators

### Engine/Propulsion

- Jet engine test stands
- Rocket engine testing
- Thrust tests
- Fuel management
- Engine diagnostics

### Space Qualified

- Satellite
- Shuttle
- International Space Station
- Launch Vehicles

### Primary Systems

- Landing gear design
- Fuselage testing
- Cargo deployment
- Actuator systems test

### Aircraft Assembly

- Airframe assembly and testing
- Jack stand force
- Fastening systems
- Metering and dispensing of fluids and adhesives
- Weld integrity tests

Your "Application-Solution<sup>SM</sup>" Source

# Capabilities

# Design, Engineering and Manufacturing



Stellar Technology engineers and manufactures pressure, temperature and load sensors for a variety of applications - from satellites and space vehicles... to oil and gas exploration... to routine industrial measurements. Since 1991, the company has grown from providing standard sensor configurations into one of the few sensor manufacturers in the market today that will custom design a sensor configuration to most closely match a specific application.

**Your "Application-Solution<sup>SM</sup>" Source**, our company slogan, illustrates our distinct niche in being able to provide a tailored solution for these highly specialized applications.

With a staff of highly trained application and design engineers, along with a 50,000 square foot production facility located in Amherst, New York, Stellar Technology has the capabilities to offer customers, both small and large, sensors that meet their measurement requirements. Manufacturing at STI has been configured to build a single custom sensor quickly and efficiently or serve the on-going needs of OEM. A tour of the manufacturing facility shows the latest CNC machining equipment, a thorough inspection process, and automated test equipment - with an overall mindset of building the best sensors available on the market today.

***Because Stellar Technology Controls the Total Manufacturing Process, You're Assured of Reliable Products that Adhere to the Highest Standards.***

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