

PROCESS INDUSTRIES



Pressure, Load/Force/Torque, Displacement, and Temperature Sensors

stellartech.com



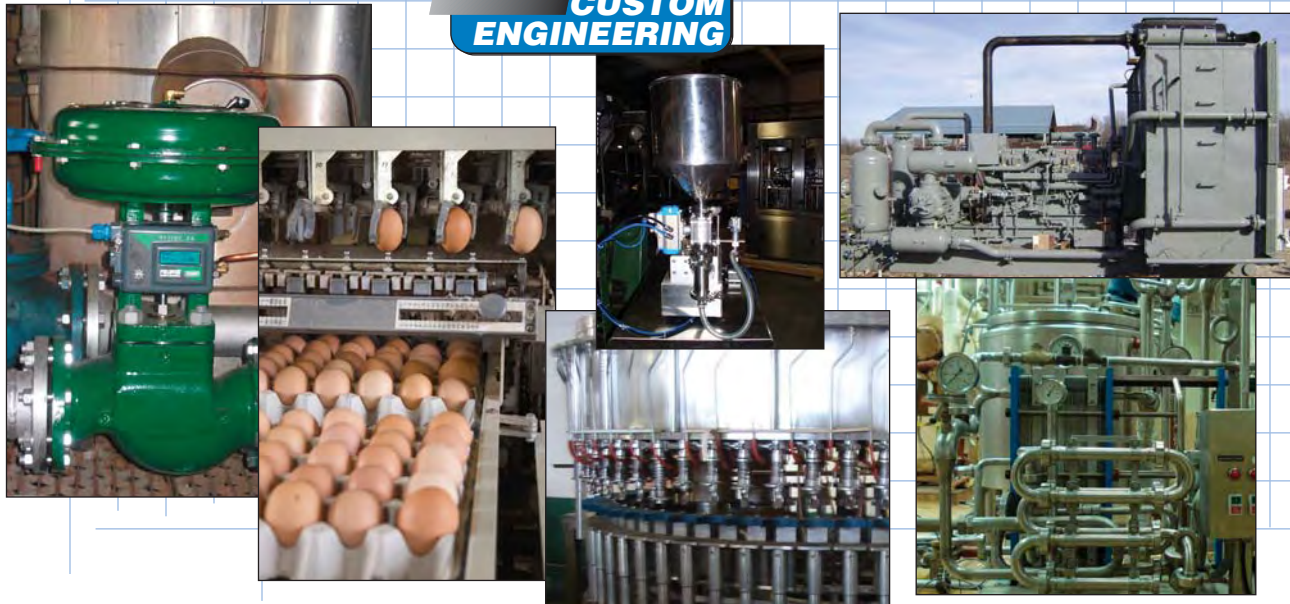
Pressure Sensors

- Pressure Ranges from 1 to 100,000 PSI
- Absolute, Gage, True Gage, Differential, Vacuum, Barometric
- Analog (Current and Voltage) and Digital Outputs
- Accuracies to 0.05% FSO.
- Flush Diaphragm Models
- All-Welded Stainless Steel (17-4, 15-5, Inconel, Monel, Hastelloy)
- Internal Data Logger Versions for Remote Locations
- Explosion Proof Certifications
- Comprehensive Calibration Records are Standard
- Engineered-to-Order Custom Designs

Load Cells, Force Sensors, Reaction Torque Sensors

- Load Ranges from Grams to 2 Million lbf
- Tension, Compression, and Tension & Compression
- Analog (Current and Voltage) and Digital Outputs
- Internal Data Logger Versions for Remote Locations
- Complete Selection of Standard and Special Configurations
- Constructed of Stainless Steel, Carbon Steel, or Aluminum
- Miniature and Subminiature Versions
- Multiple Bridge Configurations
- Comprehensive Calibration Records are Standard
- Engineered-to-Order Custom Designs

Our Specialty...
**CUSTOM
ENGINEERING**



Sensors for Process Industries Applications

Stellar Technology's complete selection of pressure transducers, pressure transmitters, load cells, force sensors, reaction torque transducers, temperature sensors, and LVDT displacement sensors provides process measurement and control sensor solutions across a broad range of process related applications. With proven sensor technology coupled with highly reliable analog and digital electronics, STI's products add value for our customers in the process industry. Our engineering and manufacturing center in Amherst, New York, is uniquely designed to deliver both standard products and custom-engineered special products.



LVDT Displacement Sensors

- Stroke Ranges from ± 0.01 in. to ± 18.5 in.
- Linearities from 1% to 0.1%
- Spring Guided, Captive Guided, Free Unguided Armatures
- AC and DC Versions
- All-Welded Stainless Steel
- Submersible Designs

Temperature Transducers and Transmitters

- Temperature Ranges from -320°F to $+750^{\circ}\text{F}$
- No Thermowell Required
- Customer Specified Probe Lengths
- All Welded Stainless Steel Construction
- Hermetically Sealed
- Dual Temperature and Pressure Configurations
- Analog (Current and Voltage) and Digital Outputs
- Customer Specified Process Connections
- ATEX, CSA Intrinsically Safe Certifications

Our Specialty...
CUSTOM ENGINEERING



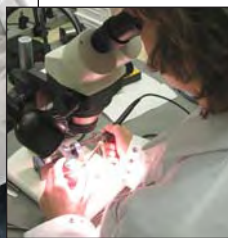
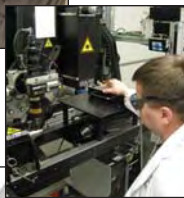
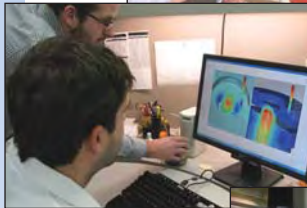
Process Industries Sensors For:

- Metering and Dispensing Systems
- Natural Gas Cabinets
- Ground Water Monitoring
- Waste Water Treatment
- Valve Positioning and Control
- Food and Dairy Processing
- Homogenizing Processes
- 4-20 mA output Pressure, Force, Temperature Measurements
- Digital output Pressure, Force, Temperature Measurements
- Bulk Tank Weighing
- Bulk Storage of Process Gases
- Chemical Refining
- Down Stream Oil and Gas Management
- Pulp and Paper Processing
- Water Jet Cutting
- Semiconductor Manufacturing
- Liquid Level Monitoring and Control

Call: **716.250.1900**

Capabilities

Stellar Technology designs and manufactures a comprehensive offering of pressure transducers/transmitters, load cells, force sensors, torque transducers, temperature transmitters, and displacement sensors used in test and measurement applications across a wide range of industry sectors including aerospace, oil and gas, marine/oceanographic, automotive, medical, industrial automation, geophysical, power generation and many more.



Why Stellar Technology? Whether it's food processing, a large bulk tank farm, a chemical plant, water treatment facility, or any of the many process industry related applications, what causes engineers and technicians from these specialized fields to choose Stellar Technology for their sensor solutions?

One word: Capabilities.

Stellar Technology combines sales capabilities, engineering capabilities, manufacturing capabilities, and service/support capabilities into one focused business objective:

Provide the customer with the optimum sensor solution.

Sales Capabilities:

- Experienced technical sales professional located in your area
- Direct link to STI design engineers
- Knowledgeable inside sales engineers
- Complete pre-sales application review process
- Facilitate technical Lunch & Learns at customer's site

Engineering Capabilities:

- Design engineers with years of practical sensor application experience
- Specialists in mechanical, electronic, and software design
- Innovative design and simulation tools
- ISO9001 registered documentation and control
- Work directly with customer's engineers
- Creative solution providers

Manufacturing Capabilities:

- Complete vertical integration (raw material through final calibration)
- 18 CNC machines (up to 8-axis)
- Wire and probe EDM machining
- Laser and TIG welding
- Ultrasonic cleaning
- Micro assembly
- Automated pressure compensation and calibration
- 5 load cell calibration systems (to 600,000 lbf)
- 1,000,000 inch-lbf reaction torque calibrator
- High-reliability/traceability assembly and test area
- Comprehensive inventory of raw materials
- Finished goods inventory programs (standard and customer-specific)

Service/Support Capabilities:

- Complete repair and recalibration (including non-STI manufacturers)
- Rapid-response on-site technical field support
- Ready access to regional sales offices
- Order status and expediting
- Direct access to STI's design engineers
- 24 hour web access to technical manuals

Your Application-Solution SourceSM

Find More Information at:
stellartech.com

Due to the nature of technology, changes are inevitable. For latest technical specifications, see our website.

237 Commerce Drive • Amherst, NY 14228 • USA
Tel: 716.250.1900 • **Fax:** 716.250.1909
Email: info@stellartech.com

