

Stellar Technology

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## Provides Custom In-House Calibration Systems

Product Highlights



Stellar Technology Inc. (STI) engineered and manufactured a custom portable calibration load cell system for a specialty packaging company. This custom designed solution saved the customer time and money by not having to use an outside calibration service. The system not only served as a NIST traceable calibration standard for the customer, but also provided them with an additional capability. They were able to use the handheld digital readout instrument to determine maximum pressure & load thresholds for their products.

The customer is a packaging company which supplies sample and trial packaging in a variety of sizes and shapes for liquid, cream, and gel-type cosmetics, as well as pharmaceutical powders and pills, and viscous food and household products. Each individually packaged product is designed to withstand a certain amount of applied pressure before it is sent through the mail to the intended customer. The packaging company came to STI in need of an internal calibration load cell system with which to reliably and reproducibly measure the rated load on each lot of sample packages. They specifically needed something versatile to use on their many different manufacturing presses across their facility.

STI worked with the customer to deliver a calibration load cell system specific to their unique needs and requirements. We worked with our customer to mitigate costs by modifying one of our existing load cell designs to fit their distinct application. The resulting system, consisting of load cell, battery powered digital readout instrument, communication interfaces and customer specified outputs provided the complete solution.

STI is proud to offer one of the most comprehensive selections of standard and stocked load cells in the test and measurement industry with ranges from a few grams to 3,000,000 pounds, tension or compression operation, and accuracies to 0.03%. Our proprietary electronics provide mV/V, high level analog and digital outputs including RS232, RS485 and CANbus. Fully welded stainless steel construction means that Stellar load cells will stand up to the rigors of any application.

*Please contact us today to find out how we can be your sensor solutions provider.*

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

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