



# Gauging Services

## Load Cells & Sensors



### Overview

CEC Vibration Products Incorporated, Gaged Products Division, has one mission in mind: To design and produce the best load cells in the Industry.

To achieve this goal, we have assembled the most experienced and qualified individuals in the industry. Beginning with Emory Farr (Founder and former President of Sensortronics), each one of our team draws from their extensive background knowledge in engineering, applications and sales support to provide to you the best solution in force measurement.

At our Headquarters and Engineering Center in Covina, California we have extensive manufacturing capabilities for custom gauging services and projects.

All of CEC Vibration Products Inc. force transducers are used in a wide range of industries including Military, Aerospace, Power Generation, Medical, Industrial, Steel Mills, and many other force and weighing applications. Our Covina, California facility also offers same day shipments of standard products, all at the most competitive prices.



Gaged Products

# Specialty Load Cells & Gauging Services

## Capabilities

### Gauging Services

CEC can bond gages to most any substrate materials that require stress monitoring. From customer supplied materials to custom machined parts, CEC will provide finished gaged products that meet your demands.

### Repair Service

Virtually all types of load cells are repaired and calibrated by our trained technicians.

### Custom or Standard Load Cells

S-Beams, Shear and Double-Ended Beams, Shear Pins, Blade Sensors, Planar Beams, Button Style Compression Cells, Ring Style and Torque Transducers are all varieties of load cells that CEC can manufacture.

### Engineering Design Services

CEC engineers can assist you with your unique design requirements from concept to production.

### FEA Engineering

CEC offers state-of-the-art Finite Element Analysis for use in the design of load cells. The ability to precisely predict a load cells reaction to stresses on the computer, allow for a confident sensor application in the field.

### Application Assistance

Our application sales team can assist you with all of your force measurement requirements, assuring you a quality product, with on time service at acceptable pricing.

## Capabilities

**Capacities:** 250G thru 500,000 lbs.

**Materials:** Aluminum, Stainless Steel, Alloy Steel

**Temperature Ratings:** -40°F to +500°F

**Bridge Resistance:** 350Ω, 750Ω, 1,000Ω

**Output mV (FSO):** 1 mV/V, 1.5 mV/V, 2 mV/V & 3 mV/V

**Environmental Ratings:** IP65, IP66, IP67 & IP68

**Certifications:** OIML, NTEP, FM, CSA, RoHS, ISO9001:2001, AS9100

## Instrumentation & Accessories

**Junction Boxes:** Two to Eight channels summing box

**Transmitters:** 4-20mA transmitters

**Hardware:** Eye Bolts, Leveling Feet, Mounting Hardware, Tank Weighing Assemblies, Isolators, Lightning Protection

