

# Rubber Injection Molding Load Cells

Industry: Manufacturing

## Summary

### Customer Challenge

Rubber injection molding is a process where rubber parts are produced by injecting hot rubber material into a mold cavity, and pressed to form a shape. A force measurement system is needed in the press machine to measure and monitor the force exerted during the injection molding process.

### Interface Solution

Interface's 2161 High Capacity Column Compression Only Load Cell installed into the rubber molding machine, where it will compress molten rubber into a shape. Force results during the test will be sent and displayed to the customer's control center when connected to the 9840 Calibration Grade Multi-Channel Load Cell Indicator.

### Results

Interface's compression column load cell successfully measured and monitored the forces exerted during the rubber injection molding process.

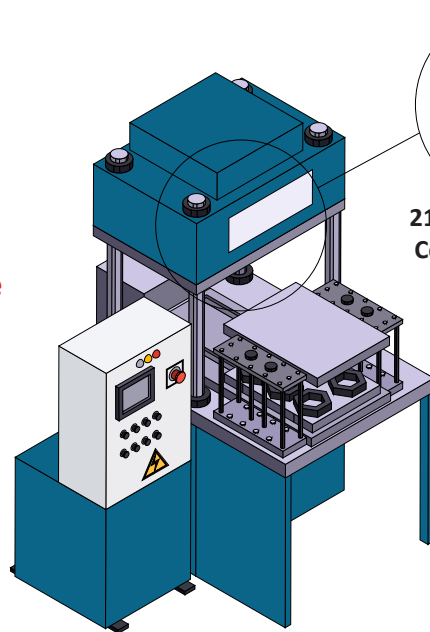
## Materials

- 2161 High Capacity Column Compression Only Load Cell
- 9840 Calibration Grade Multi-Channel Load Cell Indicator
- Customer rubber molding machine

## How It Works

1. The 2161 High Capacity Column Compression Only Load Cell is installed into the rubber molding machine.
2. Molten rubber is injected into the machine, and pressed into a shape.
3. The compression results are displayed and reviewed when the 9840 Calibration Grade Multi-Channel Load Cell Indicator is connected to the customer's system through the analog output or RS232 Serial Interface.

Rubber Injection Molding Machine



2161 High Capacity Compression Only Load Cell

9840 Calibration Multi-Channel Load Cell Indicator