Linear Test Stand
Load Cell

Industry: Test and Measurement

Summary

Customer Challenge

Customer would like to crush test a specimen in their linear stand. The customer would like to use force to determine when the deformation actually occurs.

Interface Solution

Interface provided Model 1210 Precision LowProfile® Load Cell with internal amplification of 0-10VDC Output.

Results

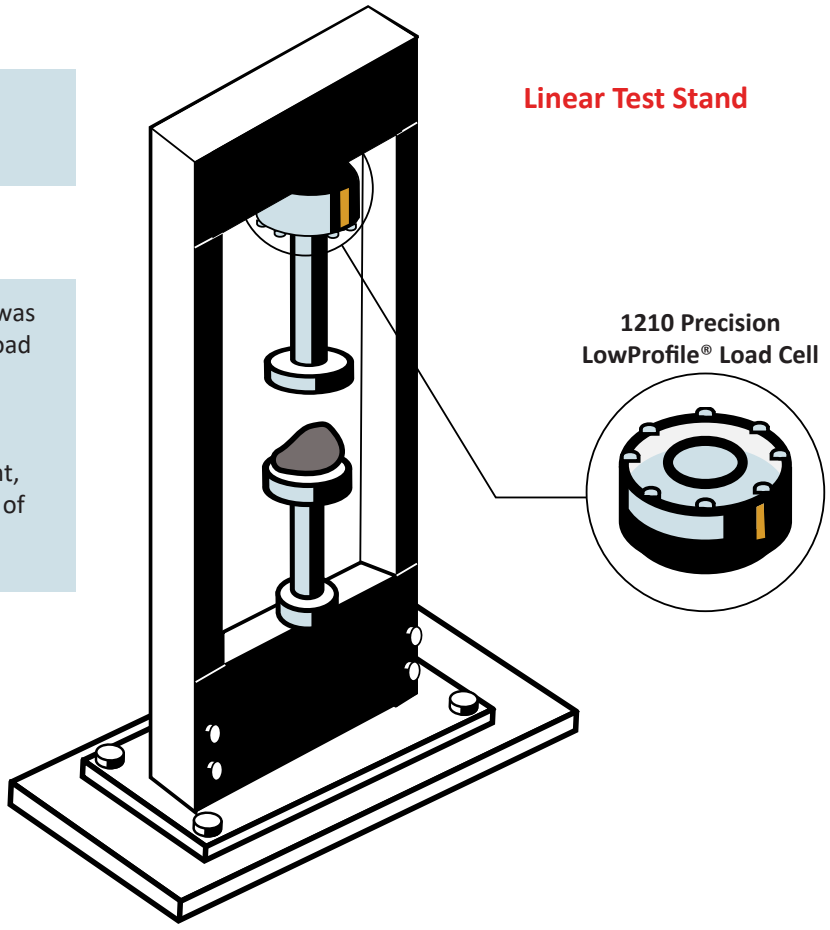
Amplified Model 1210 Precision LowProfile® Load Cell was installed into the load string of the customer's load frame and the scaled analog output from the load cell was connected to the customer's instrumentation. When the force levels reached the crushing point, the customer's software was able to read the output of the amplified load cell and record the value.

Materials

- 1210 Precision LowProfile® Load Cell
- Customer supplied linear test stand
- Customer's instrumentation

How It Works

1. Amplified 1210 Precision LowProfile® Load Cell was installed into the load string of the customer's load frame.
2. Scaled analog output from the load cell was connected to the customer's instrumentation.
3. When the force levels reached the crushing point, the customer's software was to read the output of the amplified load cell.
4. Customer's instrumentation recorded the value.



interface
FORCE MEASUREMENT SOLUTIONS
7418 East Helm Drive, Scottsdale, AZ 85260 ▪ 480.948.5555 ▪ interfaceforce.com