Specimen Research
S-Type
Industry: Medical and Healthcare

Summary

Customer Challenge

In the medical industry, medical experts need the best equipment during research of multiple specimens. In this case, a medical researcher needs to monitor the load force of their linear actuator that uses a needle to collect material from the desired specimen.

Interface Solution

Interface's SuperSC S-Type Miniature Load Cell can easily be installed into the linear test stand. A needle with a gripper on the end is installed on the lower end of the SuperSC. As the needle is pushed to collect material of the specimen, the load feedback is captured using the 9330 Battery Powered High Speed Data Logging Indicator through an SD card, or a another laptop directly.

Results

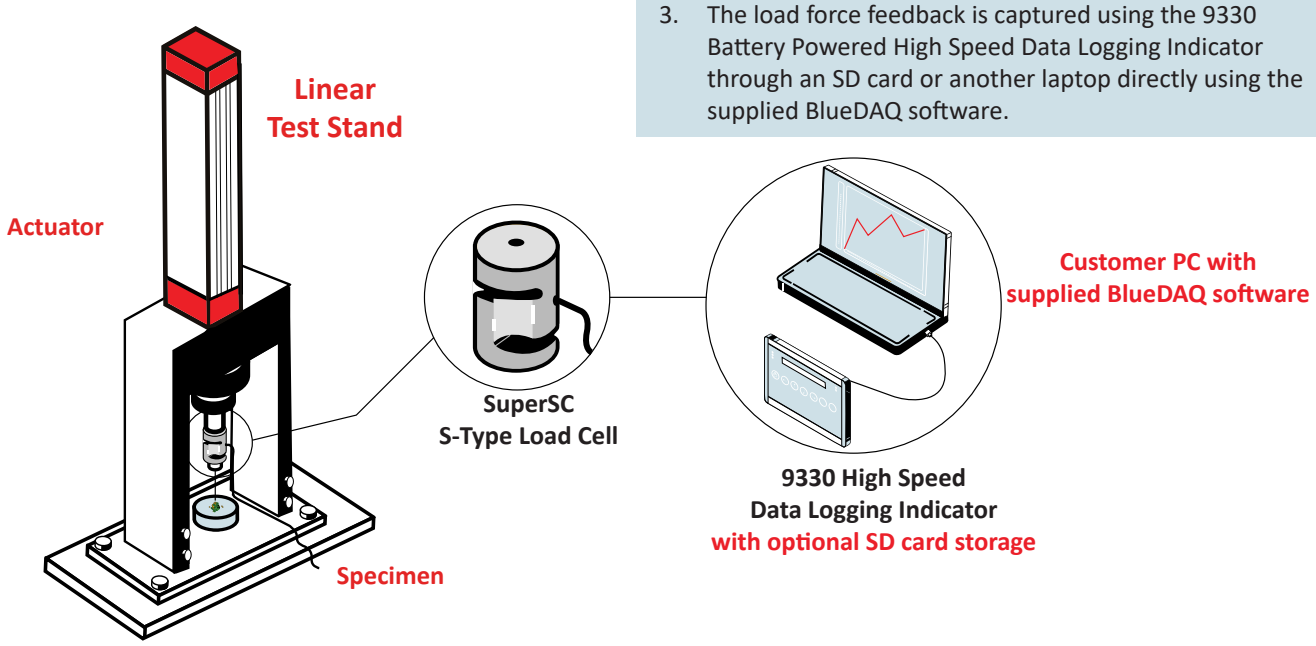
The medical researcher was able to monitor the force being applied of their linear test stand while collecting material from the specimen.

Materials

- SuperSC S-Type Miniature Load Cell
- 9330 Battery Powered High Speed Data Logging Indicator
- BlueDAQ Software
- Customer Linear Test Stand

How It Works

1. The SuperSC S-Type Miniature Load Cell is installed into the medical linear test stand and a needle with a gripper on the end is installed on the lower end of the SuperSC.
2. The linear test stand drives the needle into the specimen being researched in order to collect material to be tested.
3. The load force feedback is captured using the 9330 Battery Powered High Speed Data Logging Indicator through an SD card or another laptop directly using the supplied BlueDAQ software.



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