

Tablet Machine Hardness Tester Calibration Interface Mini™

Industry: Medical and Healthcare

Summary

Customer Challenge

A customer wants to conduct a tablet hardness tester calibration in their tablet machine. The customer needs a load cell that specifically lays and measures the forces horizontally, due to the horizontal lay out of the tablet machine.

Interface Solution

Interface's MCC Miniature Compression Load Cell can measure forces on its side, with a small cable exit that attaches to the customer's tablet machine. This measures the force applied to the hardness testing mechanism inside of the machine. The BlueDAQ software included also records the results and compares it to the reference load cell. Data is sent to the 9330 Battery Powered High Speed Data Logging Indicator for the customer to view, log, and graph the results.

Results

The customer successfully was able to verify and calibrate the tablet machine's hardness tester in order to conduct accurate hardness testing on tablets. Compared to other load cells, Interface's MCC Miniature Compression Load Cell was perfect due to its small size, and convenient to measure the forces on its side.

Materials

- MCC Miniature Compression Load Cell
- 9330 Battery Powered High Speed Data Logging Indicator
- BlueDAQ Software included with instrument purchase
- Customer's PC or Laptop

How It Works

1. The MCC Miniature Compression Load Cell is connected to the hardness testing mechanism inside of the tablet machine.
2. Calibration results are sent to the 9330 Battery Powered High Speed Data Logging Indicator, where data is logged and graphed.
3. Data is processed using BlueDAQ Software, which stores and logs data in the customer's PC computer or laptop.

