Automotive Resistance Spot Welding

Load Button

Industry: Automotive and Vehicle

Summary

Customer Challenge

An automotive manufacturer is looking for a force measurement system to optimize its quality with their spot welding process. A force measurement system is needed to monitor the amount of force being applied through the welding process.

Interface Solution

The ConvexBT Load Button Load Cell can be used to measure the amount of force being applied in a resistance spot welding machine. The 9330 Battery Powered High Speed Data Logging Indicator can display and log the information onto an SD card, or directly onto the customer's computer using BlueDAQ software.

Results

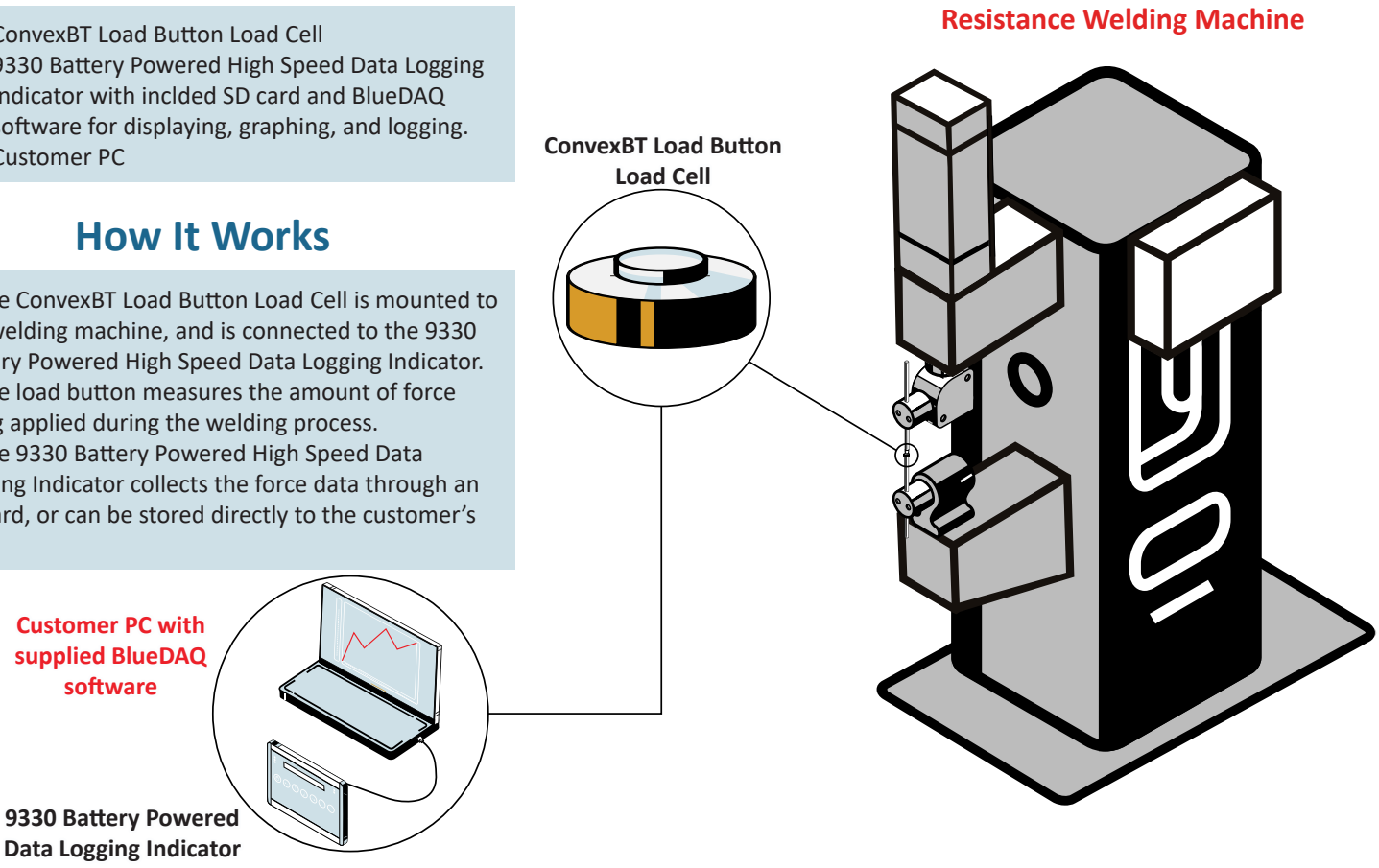
Interface's load button and instrumentation successfully measured the forces applied during the resistance spot welding process.

Materials

- ConvexBT Load Button Load Cell
- 9330 Battery Powered High Speed Data Logging Indicator with inclded SD card and BlueDAQ software for displaying, graphing, and logging.
- Customer PC

How It Works

1. The ConvexBT Load Button Load Cell is mounted to the welding machine, and is connected to the 9330 Battery Powered High Speed Data Logging Indicator.
2. The load button measures the amount of force being applied during the welding process.
3. The 9330 Battery Powered High Speed Data Logging Indicator collects the force data through an SD card, or can be stored directly to the customer's PC.



interface
FORCE MEASUREMENT SOLUTIONS

7418 East Helm Drive, Scottsdale, AZ 85260 ▪ 480.948.5555 ▪ interfaceforce.com