

Frankenstein Head Fastening

Interface Mini™

Industry: Test and Measurement

Summary

Customer Challenge

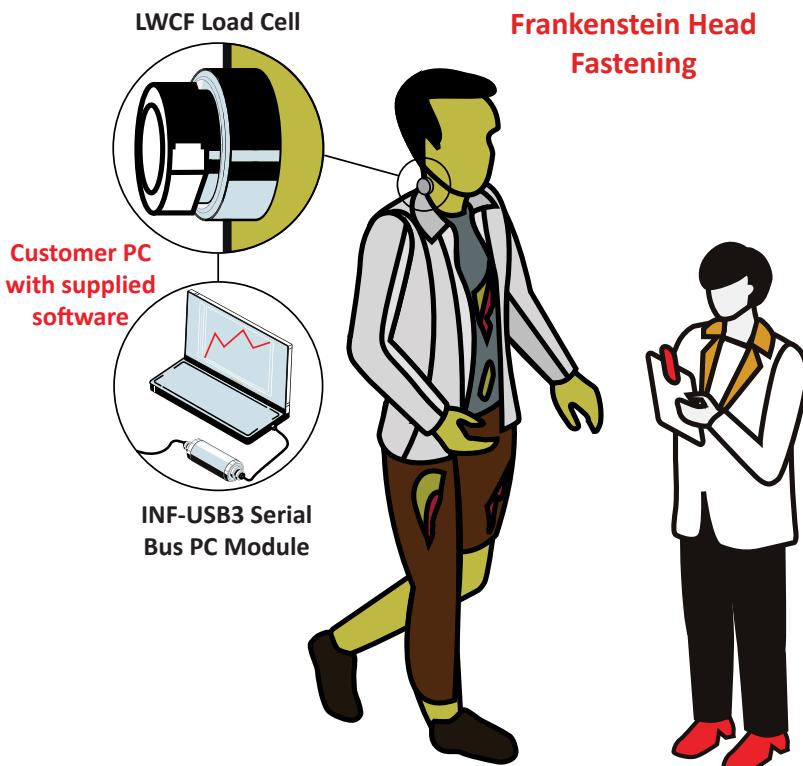
Dr. Frankenstein needed a way to ensure that his Frankenstein monster's oversized head stayed securely fastened to the body during assembly. He needs to accurately measure the tightening forces applied to his neck bolts, preventing over-tightening that could damage components or under-tightening that could compromise stability.

Interface Solution

Using Interface's LWCF Clamping Force Load Cell in conjunction with Interface's INF-USB3 Universal Serial Bus Single Channel PC Interface Module, Dr. Frankenstein was able to measure the bolt tightening measurements to desired levels during for examination.

Results

Frankenstein monster's bolt fasteners were tightened with specified force requirements and his head was safely secured, ensuring it wasn't overly tightened.



Materials

- LWCF Clamping Force Load Cell
- INF-USB3 Universal Serial Bus Single Channel PC Interface Module with supplied logging and graphing software
- Customer PC or Laptop

How It Works

1. The LWCF Clamping Force Load Cell is installed between the bolt head and Frankenstein's monster's neck. The load cell will measure the load as torque is applied.
2. Using the INF-USB3 Universal Serial Bus Single Channel PC Interface Module, force readings from the LWCF load cell will be displayed, logged, and graphed directly into the PC.