

# Bike Frame Fatigue Testing Load Cell

Industry: CPG

## Summary

### Customer Challenge

A bike manufacturing company wants to perform a fatigue test on their bike frames. They want to analyze the strength of their bike frames in order to ensure durability and high quality standards for future customers.

### Interface Solution

Interface suggests installing Model 1000 Fatigue-Rated LowProfile™ Load Cell to the customer's bike frame fatigue tester. This load cell will provide the customer highly accurate results through the fatigue cycling. Results are collected using the INF-USB3 Universal Serial Bus Single Channel PC Interface Module, and displayed on the customer's PC or Laptop with Interface's provided software.

### Results

The bike manufacturing company successfully had their bikes undergo fatigue frame testing, receiving highly accurate results with Interface's load cell and instrumentation.

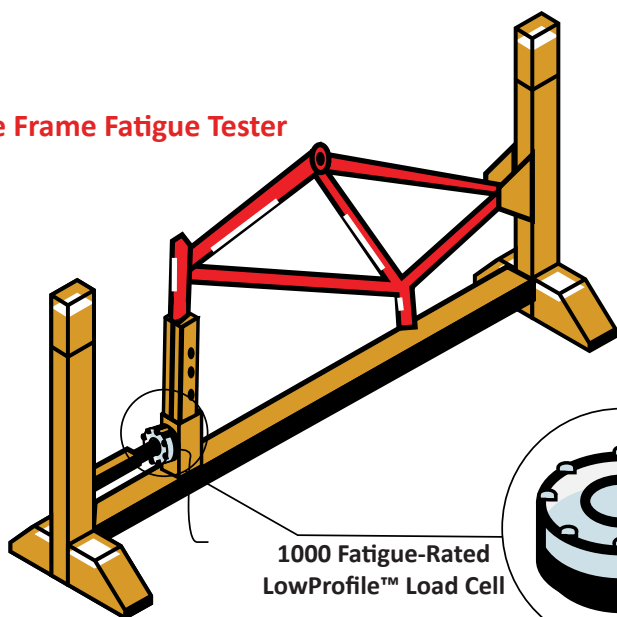
## Materials

- 1000 Fatigue-Rated LowProfile™ Load Cell
- INF-USB3 Universal Serial Bus Single Channel PC Interface Module with supplied software
- Customer PC or Laptop

## How It Works

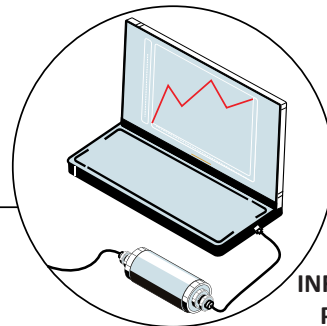
1. The 1000 Fatigue-Rated LowProfile™ Load Cell is attached to the actuator of the fatigue testing machine.
2. The load cell undergoes a number of fatigue cycles on the bike frame, and records highly accurate results.
3. The data results are collected using the INF-USB3 Universal Serial Bus Single Channel PC Interface Module. These results can be displayed when connected to the customer's PC or laptop using the supplied software with the INF-USB3 Universal Serial Bus Single Channel PC Interface Module.

### Bike Frame Fatigue Tester



1000 Fatigue-Rated LowProfile™ Load Cell

### Customer PC with supplied software



INF-USB3 Single Channel PC Interface Module