Smartwatch Milling
Multi-Axis

Industry: CPG

Summary

Customer Challenge

Smartwatch milling is a precise manufacturing process where machines meticulously form parts of the smartwatch into a desired shape. In order to maintain precision and quality, forces of the milling machine must be monitored and controlled to produce consistent smartwatch components.

Interface Solution

Interface's 6AXX 6-Axis Load Cell can be installed into the milling machine. As the machine cuts and create smartwatch components, the multi-axis load cell collects data on six axes (Fx, Fy, Fz, Mx, My, Mz). When connected to the BX8-HD44 Data Acquisition, Data can be logged, graphed, and displayed when connected to a computer with supplied BlueDAQ software.

Results

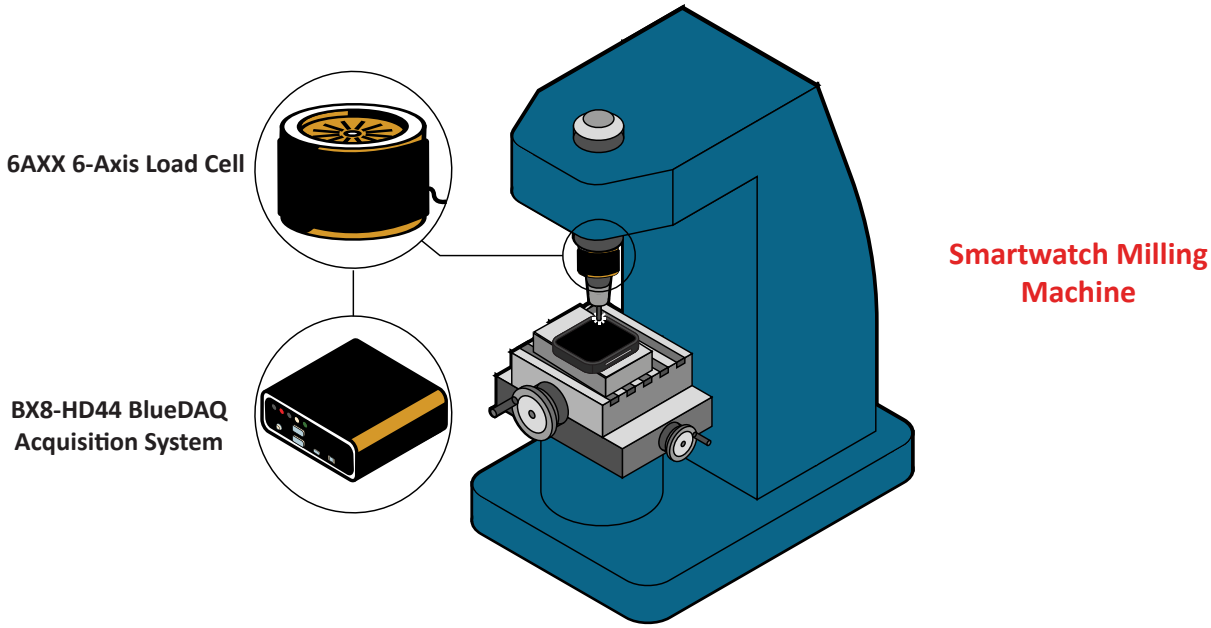
Interface's 6AXX 6-Axis Load Cell could measured and monitored all forces and torques (Fx, Fy, Fz, Mx, My, Mz) of the milling machine as it creates smartwatch components. The machine produces consistent and controlled smartwatch components.

Materials

- 6AXX 6-Axis Load Cell
- BX8-HD44 BlueDAQ Series Data Acquisition System with included BlueDAQ software
- Customer milling machine
- Customer computer or laptop

How It Works

1. The 6AXX 6-Axis Load Cell is installed in the milling machine.
2. The milling machine cuts and drills components of the smartwatch, and the load cell captures data on six axes (Fx, Fy, Fz, Mx, My, Mz).
3. When connected to the BX8-HD44 BlueDAQ Series Data Acquisition System forces can be monitored, logged, graphed, and displayed with supplied BlueDAQ software.



interface
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