

Golf Ball Tee Interface Mini™

Industry: CPG

Summary

Customer Challenge

A customer wants to ensure their golf ball automatic tee mechanism is working for their consumers- both buying their tee's for home use or for golfing ranges. They need a system that will sense the presence of a golf ball, which will trigger and automatically dispense new golf ball to the tee.

Interface Solution

Interface's WMC Sealed Stainless Steel Miniature Load Cell can be installed within the golf tee, which would measure the golf balls pressure on the tee when loaded or unloaded. This load cell is electrically connected to the motor which initiates the cycle to release another ball onto the tee. Force measurements can be measured using the 9330 High Speed Data Logger when connected to the customer's PC or laptop.

Results

With Interface's products, the customer was provided a force solution that was able to measure the presence of a golf ball on their auto-tee machine.

Materials

- WMC Sealed Stainless Steel Miniature Load Cell
- 9330 High Speed Data Logger
- Customer PLC (Programmable Logic Controller)
- Customer PC or Laptop

How It Works

1. The WMC Sealed Stainless Steel Miniature Load Cell is installed into the golf tee. It will sense the pressure of the golf ball when it is dispensed or removed.
2. When the WMC senses no pressure, it will trigger the tee's motor to dispense a new ball onto the tee to be hit.
3. The forces from the WMC can be measured using the 9330 High Speed Data Logger, which thus can be displayed through the customer's PC computer or laptop. The analog output from the 9330 can also trigger the mechanism as well.

