Poultry Feeder Monitoring
Torque Transducer
Industry: Agriculture

Summary

Customer Challenge

A customer wants to monitor the motor that operates their poultry feeders. The poultry feeders must give out an equal distribution of feed per poultry house.

Interface Solution

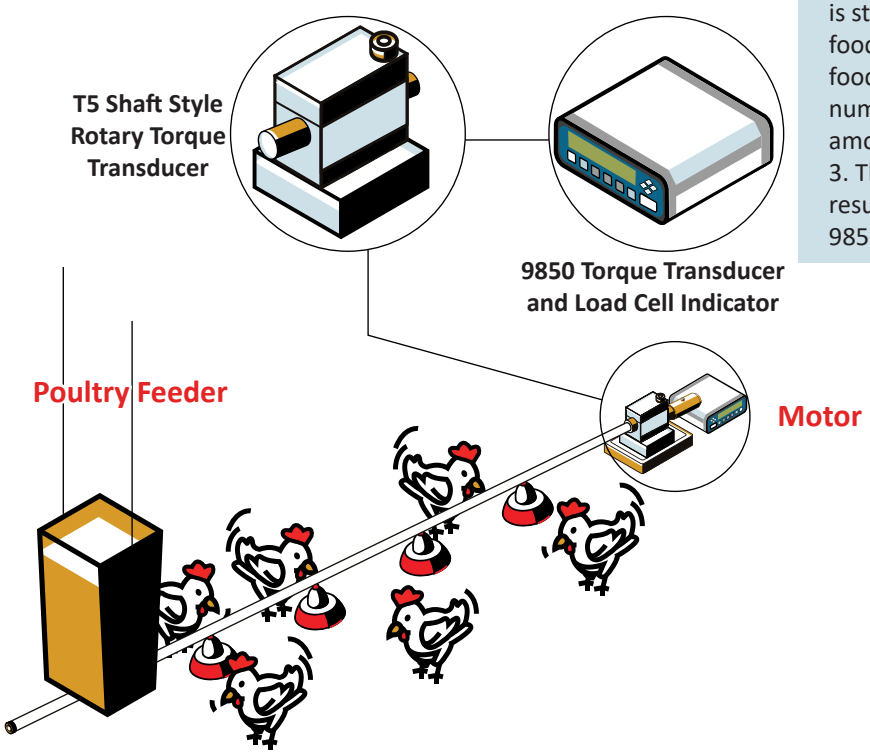
Interface's solution is to use the T5 Standard Precision Pedestal Mount Shaft Style Rotary Torque Transducer, with the speed/angle option, which will be attached between a poultry feeder and a motor with Interface's couplings. Torsion measurements can be graphed and logged sing the 9850 Torque Transducer and Load Cell Indicator.

Results

The customer was able to monitor their poultry feeders, and that every feeder got the same amount of food distributed to it.

Materials

- T5 Standard Precision Pedestal Mount Shaft Style Rotary Torque Transducer
- 9850 Torque Transducer and Load Cell Indicator



How It Works

1. The T5 Standard Precision Pedestal Mount Shaft Style Rotary Torque Transducer is attached with Interface's Couplings in between the poultry feeder and the motor.
2. The T5 can measure the torque to see if any of the feed is stuck, which would stop the motor from dispensing the food. It can also detect if the motor is dispensing too much food with the angle measurement, and also count the number of rotations so the food is dispensed is at the same amount each and every time.
3. The customer was able to log and graph the torque results on their computer when connected to Interface's 9850 Torque Transducer and Load Cell Indicator.

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