

Gift Wrap Winding Machine Load Pins

Industry: Manufacturing

Summary

Customer Challenge

In retail during the holidays, gift wrap is wound onto rollers for store distribution. A tension monitoring system ensures the paper is wound securely without tearing, maintaining its quality as it's prepared for use.

Interface Solution

Interface's ILMP Load Pins can be replace the shaft holding the gift wrap roll of the machine. The load pins are able to measure the tension of the fabric while it winds or unwinds. Tension forces are measured using the BX8-AS BlueDAQ Series Data Acquisition System. Results can be monitored when connected to a PC or laptop with supplied BlueDAQ software.

Results

Interface's ILMP Stainless Steel Load Monitoring Load Pins were the perfect solution to monitor the tension of the gift wrap before being distributed to stores.

Materials

- ILMP Stainless Steel Load Monitoring Load Pins
- BX8-AS BlueDAQ Series Data Acquisition System with supplied BlueDAQ software
- Customer PC

How It Works

1. ILMP Load Pins are installed in the winding machine's roller shafts. Each load pin is connected to the BX8-AS BlueDAQ Series Data Acquisition.
2. The BX8-AS BlueDAQ Series Data Acquisition collects the force readings where it can be displayed and monitored when connected to the customer's computer with supplied BlueDAQ software.

