

# Fabric Winding Machine Load Pins

Industry: Manufacturing

## Summary

### Customer Challenge

In textile plants, fabric winding machines are used to wind large fabric rolls together. A force measurement system is needed in order to continuously monitor the tension of the fabric as it winds and unwinds in the machine.

### Interface Solution

Interface's ILMP Load Pins can be replace the shaft holding the fabric 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 fabric on the manufacturers fabric winding machine.

## 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 fabric 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.

