

# Weave Loom Efficiency Load Pin

Industry: Manufacturing

## Summary

### Customer Challenge

A weaving loom machine is a device used to create woven fabric by interlacing threads or yarns at right angles to each other. A real-time tension monitoring system is needed to ensure the tension of the material is perfect in order to create optimal weave efficiency.

### Interface Solution

Instead of the traditional beam, Interface suggests integrating their WTSLP Wireless Stainless Steel Load pins into the beam. The WTSLP's captures the tension results in real-time, and sends the data to the customer's PC through the WTS-BS-4 Industrial USB Base Station with supplied Log100 software.

### Results

Interface's custom WTSLP Wireless Stainless Steel Load Pins successfully measured the weave loom machine's fabric tension.

## Materials

- WTSLP Wireless Stainless Steel Load Pins
- WTS-BS-1-HS Handheld Display for Single Transmitters
- WTS-BS-4 Industrial USB Base Station with Log100 software
- Customer PC

## How It Works

1. Interface's custom WTSLP Wireless Stainless Steel Load Pins are integrated into the beam used in the weave loom machine.
2. The WTSLP's measure the tension from the beam and wirelessly transmit the data to the customer's PC through the WTS-BS-4 Industrial USB Base Station. Data is displayed, logged, and graphed with supplied Log100 software.

