

# Poka-yoke Sheet

Problem : **Spring found in excess length and not parted**

Solution : **Provide length sorting unit at source**

Key Improvement **Sensor/chute provided to detect excess/short length and separate it.**

Prevent Error

Shutdown

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Detect Error

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Control

Alarm

**Before**

**After**



- 1.Excess length springs mix-up.
- 2.No detection



- 1.Sensor detects excess/short length.
- 2.Chute separates excess/correct/short length springs separately.