



深耕西部 领创未来

## TAMU Inspection Touchless

Project Leader : Li Wenzhu

Dept. : Packing

“

## BACKGROUND

TAMU inspection is a regular activity in Packing operation to confirm product quality.

There are TAMU check touch # 1012 times/day TAMU check in normal production with 3160 min/day effort.

”

## How it works?

### What was done?

Team analyze how process control point impact product quality and continue to improve PCS capability. We study and apply automation solution. Some examples are 2D, Vision, film adjust impulse auto inspection. In addition, team review and define risk-based TAMU item and frequency. The last but not the least, all the information is centralized in Controlled Release system and synchronized to trigger auto release.

Solid PCS capability enable the team to identify the validated Primary Q Factors and further more to explore automation solution to replace manual touch, which provide real-time auto inspection, alarm, interlock with machine and auto-adjustment. Each Q factors is assigned risk level based on different operation events (C/O, change film, etc) and the inspection frequency of low risk items is reduced while right powder, right film, right code date, right weight, right woven bag and right case count are guaranteed. Quality superiority is delivered along the way.

## Before vs. After

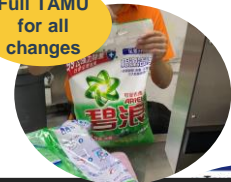


Manual inspect and record

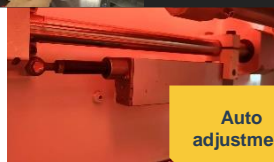
Manual adjustment when C/O



Full TAMU for all changes



100% real-time inspection



Auto adjustment



Risk based TAMU items



330#/day

Touch# eliminated



1473min/day

Effort reduction



ZERO

QI/Complaint/unplanned hold