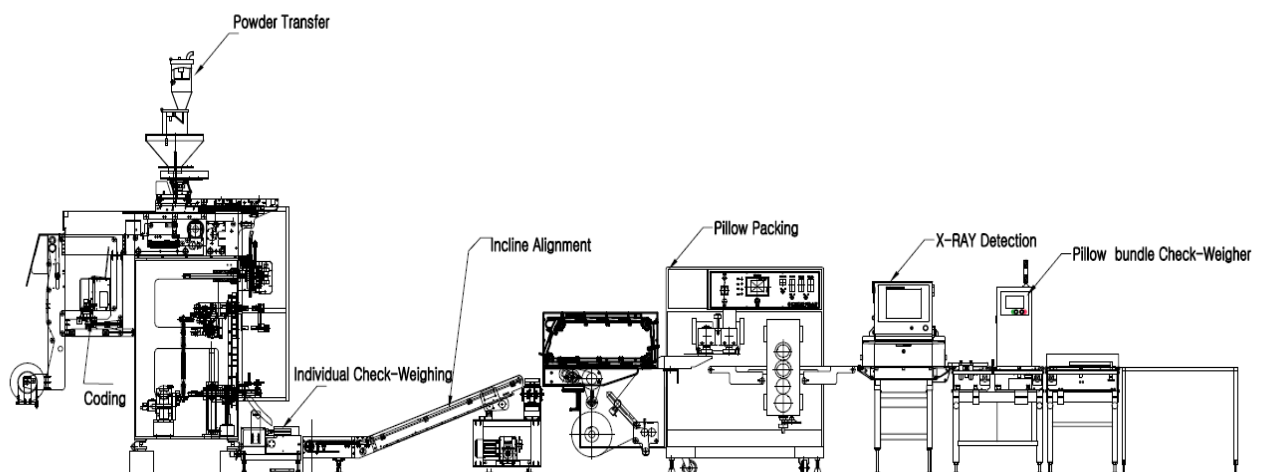


Multi-Lane Stick Packaging with Pillow



1. Project Overview

Customer requested the following conditions;

- Increase production efficiencies
High output – Previously, due to special powder character, runs 180 sticks/min.
- Reduce labor. (previously 6 person line),
- Improve inspection (ex. individual check-weigher, X-Ray inspection & etc).

2. The major difficulty ;

Powder properties changes with high temperature,
Very light powder density and target weight reduces filling efficiency.

3. Solution and its Design;

Automatic Powder Stick Packing (SPM 100P),
(Specially fabricated air blower for smoothing powder's flow)
Coding by thermal transfer ensuring high speed & clear coding quality,
Individual Stick Check-Weigher,
Inclined alignment / Horizontal stick counting & inserting,
Pillow packing in every 10 sticks,
X-Ray detection,
Pillow Check-Weigher/Rejection,
Manual Box Caser

4. Final Operational Results;

Actual speed : Reached 260 ~ 280 sticks/min.

Run by only 2 operators.

- *Achieved more than 50% of increased productivities*
- *Saved 70% of labor efficiency.*

Basic Machine's General Specification

- Machine Model : SPM 100P
- Application : Granulated Powder
- Capacities : 15 ~ 50 cycles x Lanes / min.
- Operational Packing lines : 5 ~ 10 lanes (Lane extension available upon discussion)
- Sachet Size : W 13 ~ 70mm, L 80 ~ 180mm (Special size available upon request)
- Electric Power : 7Kw 220V/380V, 50/60Hz,
- Dimension : 1,800(W) x 3,500(L) x 3,200(H)