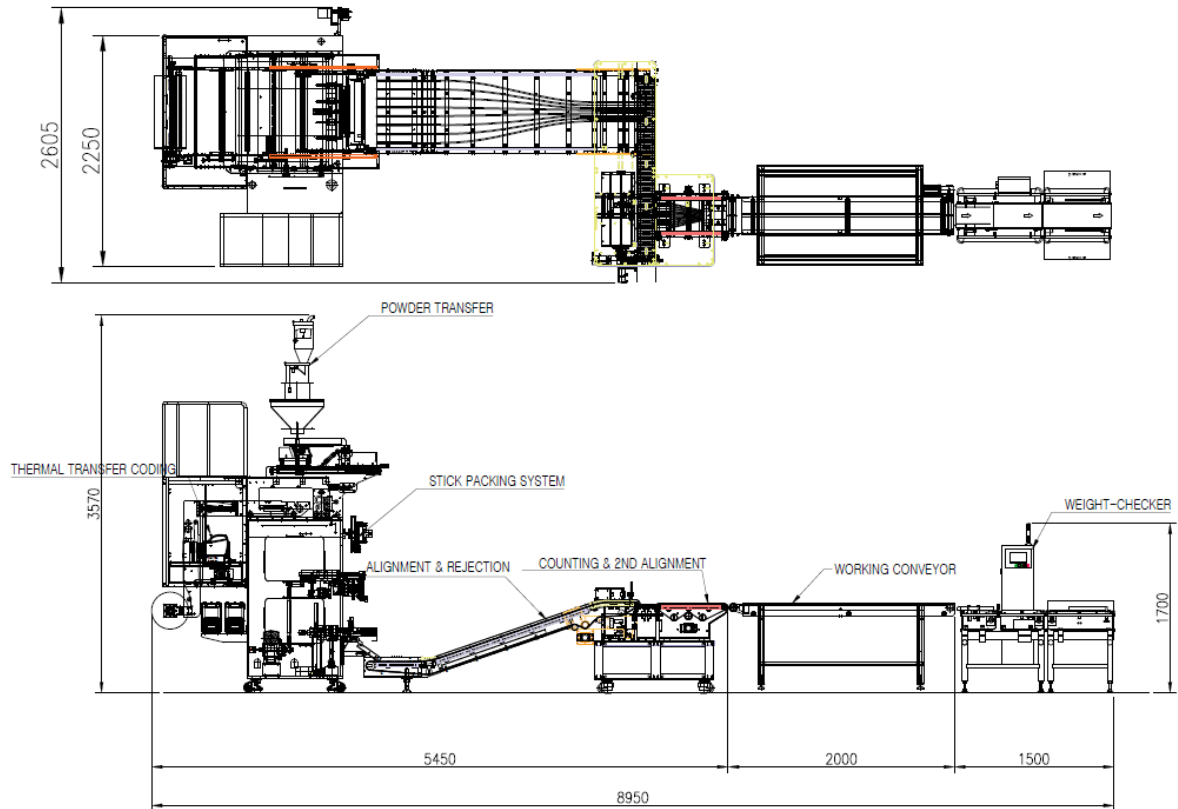


Stick Packaging with Advanced Alignment



1. Project Overview

Customer requested the following conditions;

- 3-side seal sachet (Stick Packaging, 35mm x 150mm, 8.5 gram powder filling)
- Advanced alignment connection system;
While Stick Packaging produce 8 sticks/cycle, Operator should handle 10 sticks/cycle.
- Minimize Labor. (Initially 5 operators involved this line).
- Comparative high working speed (required more than 240 sticks/min).

2. The major difficulties was ;

Powder flowability was difficult for matching the required speed.

The alignment combination was abnormal (8 lanes -> 10 lanes while operation)

3. Solution and its Design;

Automatic Powder Stick Packing (SPM 100P),

(Applied for the improved powder filling parts)

Coding by thermal transfer ensuring high speed & clear coding quality,

Advanced alignment system (separated with 2 zones driven by servo motor)

Weight-Checker

4. Final Operational Results;

Actual speed : Reached 224 ~ 256 sticks/min.

Run by 3 operators which contributes to;

- *Saved 40% of labor efficiency.*
- *Convenient working conditions for operators & minimize the final faulty carton number.*

Basic Machine's General Specification

- Machine Model : SPM 100P
- Application : Powder, Granule and etc.
- 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 ~ 160mm (Special size available upon request)
- Electric Power : 7Kw 220V/380V, 50/60Hz,
- General Dimension : 1,800(W) x 3,500(L) x 3,200(H)