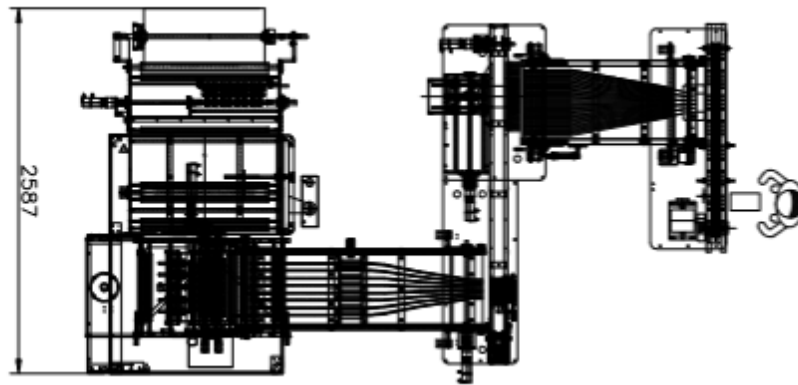


4 side Powder Sachet Packaging and Collation

Machine Model : SPM 300P



Maximizing Productivity & Minimizing Labor Force



Through innovative collation systems prove ;

Max. 440 sachets/min by 2 persons only incl. up to Cartoning.

1. Project Overview

Output maximum and agreed to 280~320 Sachets/min(40 cycles x 8 lanes).

Lower temperature sealing for lower heat sealable foil application (Opp 20/PE 15 / VM PET 12 / PE 25),

Collation system onto manual cartoning Station.

Our customer wished to replace the existing 8 single sachet machines by 4 operators and reduce the number of operators whose number are more than 6 persons and dedicated only for manual cartoning.

2. The major difficulties was ;

Optimal sealing temperature control,

Sachet Singling & Transferring and then insert every 25 counted sachets onto carton, 2 times.

4 side Powder Sachet Packaging and Collation

Machine Model : SPM 300P



3. Solution and its Design;

Automatic Powder Packing System.

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

Reverse & Adjustable notch device application.

Controlling the lower sealing temperature.

Collation follows;

Sachet singling through slotted & 1st alignment conveyor.

Count & transfer 25 sachets to 2nd alignment conveyor.

Operator manual cartoning for 50 sachets & 100 sachets/carton.

4. Final Operational Results;

Actual speed : Reaching 400 ~ 440 sachets/min (50~55 cycles x 8 lanes)

Operating by 2 operators only and Increase the labor efficiencies equivalent upto 10 staffs.

The innovative sachet collation system's operation works fine.

Basic Machine's General Specification

- ▶ Application : Salt, Sugar, Powder and Granulated Medicines,
- ▶ Capacities : 15 ~ 50 cycles x Lanes / min.
- ▶ Operational Packing lines : 1 ~ 8 lanes (Lane extension available upon discussion)
- ▶ Sachet Size : W 30 ~ 100mm, L 35 ~ 160mm,
- ▶ Electric Power : 7Kw 220V/380V, 50/60Hz,
- ▶ Dimension : 2,500(W) x 2,285(L) x 2,600(H)