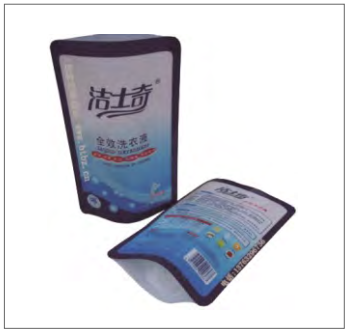
Sorting and Case Packing Solutions for Pouches

Our ***pouch sorting and case packing systems*** are engineered to meet these demands, offering advanced solutions that streamline your packaging process. Pouch sorters intelligently organize products for optimal workflow, while our case packers automate the processes of case forming, pouch loading, and case sealing, ensuring consistent and reliable packing. Together, these systems enhance productivity and reduce operational costs, empowering your business to thrive in a fast-paced environment.

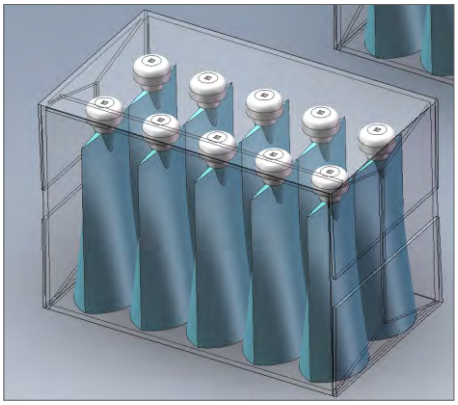
Calmus
MACHINERY

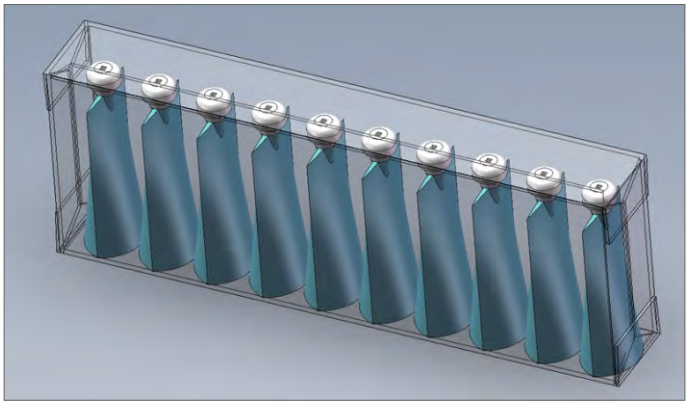
1. APPLICABLE PRODUCTS

Spoutless or Spouted Pouches / Doypacks, as shown as below.



2. PACKING PATTERNS





3. PRODUCTION CAPACITY

3.1 SORTING CAPACITY

› Low-Speed Range: 50-80 pouches/min;
› Medium-Speed Range: 80-150 pouches/min;
› High-Speed Range: 150-200 pouches/min.

3.2 CASE PACKING (FORM-LOAD-SEAL) CAPACITY

› Low-Speed Range: 3-5 cases/min;
› Medium-Speed Range: 7-10 cases/min;
› High-Speed Range: 12-15 cases/min.

4. APPLICABLE CASES

Regular Slotted Cartons

Lock-Bottom Boxes

One-Piece Folder Boxes

US Style Display Cases

5. CASE SEALING METHODS

Adhesive Tape

Hot-Melt Glue

6. TECHNICAL PARAMETERS

Pouch Sorting Method	By Dual Servo
Packing Type	Side Loading
Applicable Products	Regular, Strip, Rectangular, and Special-shaped Pouches
Applicable Pouch Dimensions	L 50-280 mm, W 20-200 mm, H 5-100 mm
Power Supply	Customized
Compressed Air	6-8 Bar

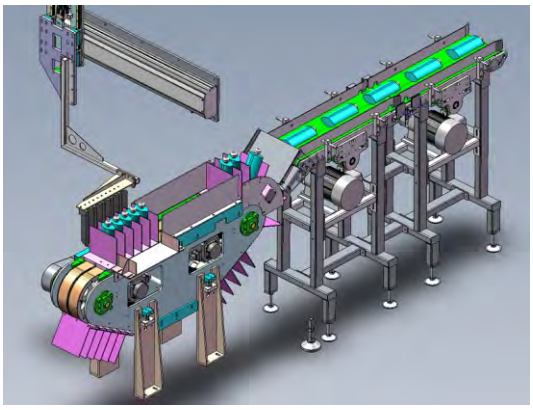
7. MAIN CONFIGURATION

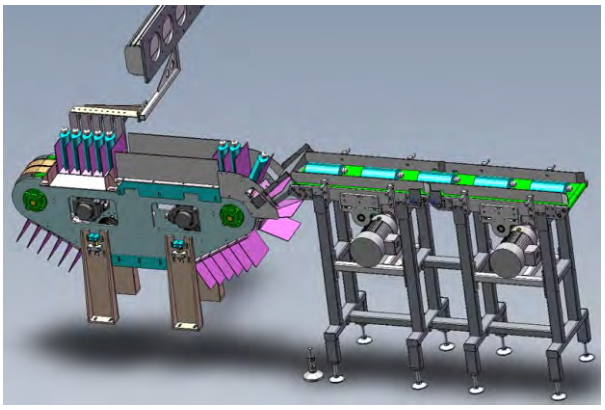
PLC/HMI	Mitsubishi/Siemens
Servo and Servo Motors	Mitsubishi/Siemens
Motors	CPG/SEW
Pneumatic Components	AirTAC or Customized
Safety Switches	SICK/OMRON
Low Voltage Components	Schneider
Guide Rails	HIWIN/AirTAC
Frame Material	Coated Carbon Steel or 304 Stainless Steel

8. MACHINES

8.1 Dual Servo Pouch Sorter

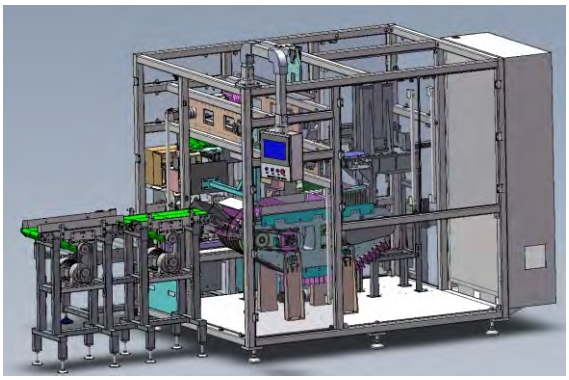
The patented fully automatic high-speed sorting machine mainly consists of the following sections: buffering belt conveyor, acceleration belt conveyor, dual servo sorter, servo side pusher, buffering storage, and electrical control.

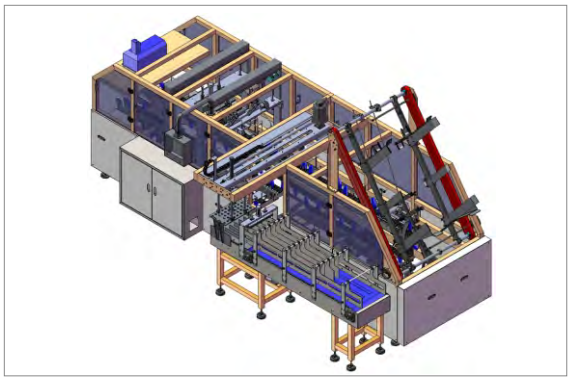




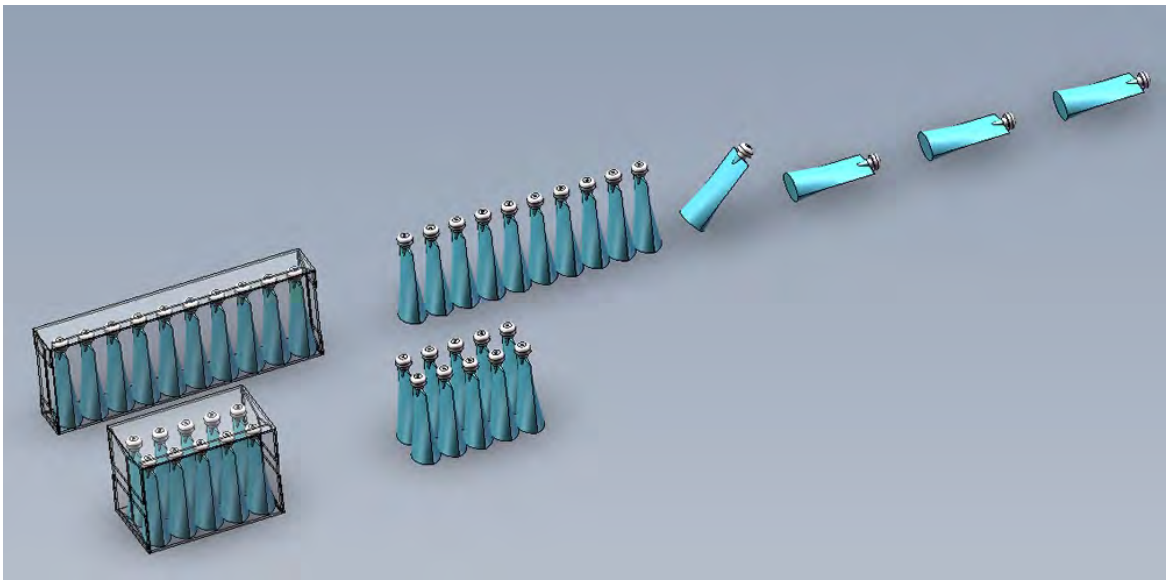
8.2 Form-Load-Seal Monoblock Case Packer

The side-load type forming, loading, and sealing 3-in-1 machine mainly consists of the following sections: carton blank storage shelf, case forming, rear-flap folding, pouch side loading, front-flap folding, hot melt glue spraying (or adhesive tape application), case exiting and top side-flaps closing, case turning, weight checking, and electrical control.

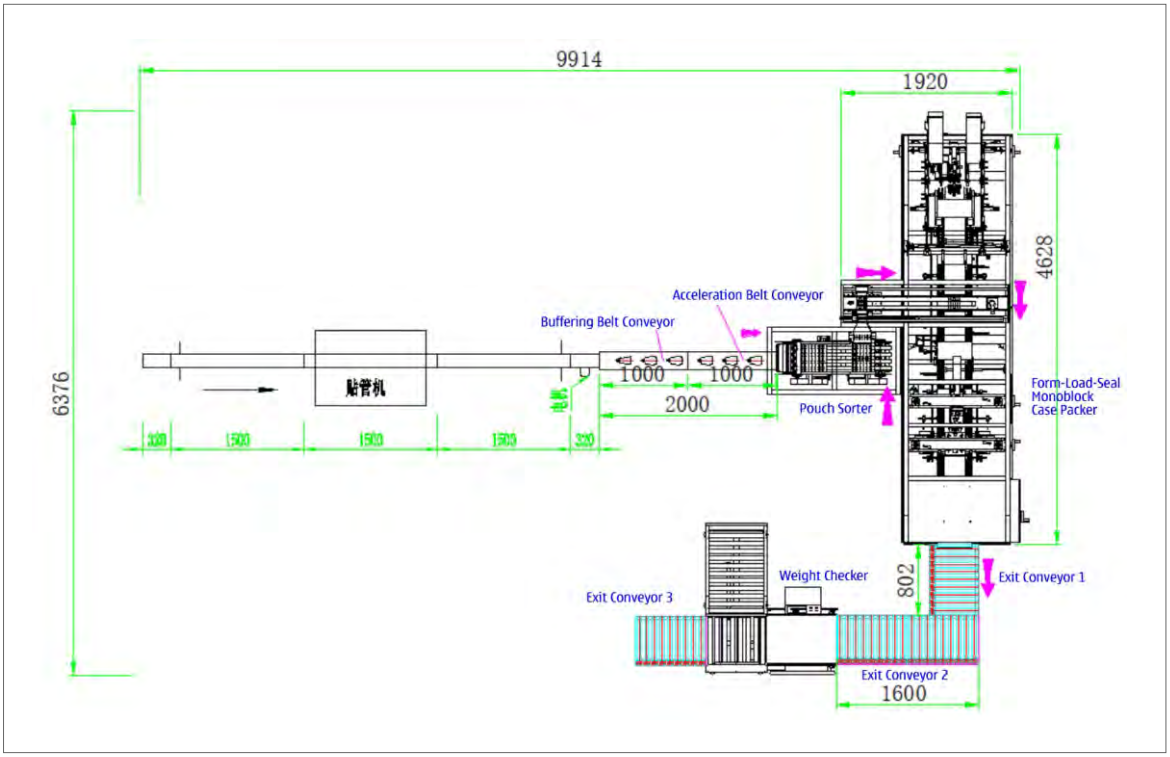




9. FLOWCHART



10. LAYOUT



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