Cartoner
Sleever
Case Packer
Robot Caser
Tray Packer
Carton Former
Automation System
Conveyor System
SAMWOO AUTOMATION specializes in manufacturing secondary packaging machines for:

- **Bakery and confectionery:** primary pack collating, cartoning and case packing
  blister sleeve packing, display tray forming and closing
- **Coffee and Dairy products:** counting for multi-lane sticks, cartoning and case packing
  can and apsetic briks tray packing and wrap-around case packing
- **Food and Cereals:** plastic cup and bottle wrap-around sleeve packing
  pouch cartoning and case packing

Found in 1986, SAMWOO AUTOMATION is a leading company in domestic food packaging industries. In 2002, the company moved in Sihwa Industrial area, the biggest industry complex set up near Seoul. As setting up the slogan, “THE COMPLETE PACKAGE”, SAMWOO focused in delivering both single machines and Turn-key lines.

Company started exporting since 2000, and year 2010, over 80 percent of turnover were from overseas countries.

**MAJOR PRODUCT LINES:**

- Horizontal Side-Load Cartoning machine
- Wrap-around sleever
- Automation systems
- Case Packer
CARTONING MACHINE

HORIZONTAL SIDE-LOAD CARTONING MACHINE, model RBC series

Each line in RBC series is built to allow different variable carton sizes and speeds.

- RBC6 line - 6 inch model - 300 cpm
- RBC9 line - 9 inch model - 200 cpm
- RBC12 line - 12 inch model - 150 cpm

MACHINE FEATURES:
- Continuous or intermittent motion control, with adjustable speed
- Overload detent clutch system on main drive
- Overload sensing with automatic retract system on barrel cam inserter
- Barrel cam loading:
  - No product / no carton feeding feature
  - No carton / no loading feature
  - Chromium coated steel loading shaft
  - Aluminum overload track
- 4 rotary carton feeder
- Fully adjustable product and transfer chain cavities
- Simple and fast product changeover
VARIOUS CARTON SHAPES & SIZES, available with Different Primary Packs
CARTONING MACHINE

HORIZONTAL SIDE-LOAD CARTONING MACHINE with counting system for multi-lane sticks

- Even / Odd counts
- Over counts, by-pass / less counts, no open gate
- Buffer gates
- Individual gate open / close

- coffee, tea, milk powder in sticks and sachets
- Liquid in sticks
HORIZONTAL SIDE-LOAD CARTONING MACHINE with automation systems

Cartoning machine with 3 automatic feeding legs

- Intermittent motion control
- Automation feeding system for solid bar handling
- Incoming products upto 300ppm per leg

HORIZONTAL SIDE-LOAD CARTONING MACHINE with bottle feeder

- Ideal for plastic bottles of confectionery products
**BLISTER GUM TURNKEY LINE**

**HORIZONTAL SIDE-LOAD BLISTER SLEEVE MACHINE**

- Maximum speed 250 sleeves per minute
- Barrel cam loading:
  - No product / no carton feeding feature
  - No carton / no loading feature
  - Chromium coated steel loading shaft
  - Aluminum overload track

Blister cartoner & tray packer linked together

Tray packer stacking & feeding system

TRAY PACKER for pre-formed display trays
CONTINUOUS RUN BUNDLE TAPE MACHINE

- Incoming capacity: 300 cartons per minute
- Tape in 2 or 3 bundles
- Patented Design

INTERMITTENT RUN BUNDLE TAPE MACHINE

- Low speed incoming products
- Tape in 2 or 3 bundles
- Vertical stack bundles
- Economic advantage over using shrink film pack
HORIZONTAL SIDE-LOAD CARTONING MACHINE with Apsetic brik handling

- Sanitary purpose Stainless steel frame
- Tucked-in Top lid closing
- System with Automatic brik collation

HORIZONTAL SIDE-LOAD CARTONING MACHINE with Ice cream, milk powder in sticks handling
Suitable for PET bottles, glass bottles, cans & small boxes

HORIZONTAL SIDE-LOAD CARTONING MACHINE with Individual bottle handling

- Sanitary purpose Stainless steel frame
- High capacity
- System with individual bottle feeding

WRAP-AROUND CASE PACKER

- Suitable for PET bottles, glass bottles, cans & small boxes
DIFFERENT PACKING FORMATS:

Ideal for packaging:
- Glass bottles
- PET bottles
- Bowls
- Cans
- Cups
CARTONER & TRAY PACKER

TRAY PACKER with dual functions

- Tray Packing
- Wrap-around Cartoning

CARTON PACKING STATION for standing pouches & retorts

- Integrated with automatic collating & loading system
- Automatic straw inserting system
Robotic Case Packing Station

**CASE PACKING STATION for candy & gum pouches**

- Double pick & place robots with vacuum pad pick up system
- Multiple servo driven product feeding belt conveyors for product pitch control

**CASE PACKING STATION for coffee pouches**

- Automatic Interleave Insertion
CASE PACKING STATION for cheese production line

- Multiple Packing & Box Size Configurations Possible

Also ideal for packing:
- Bowls
- Cartons
- Cups
- Glass & PET bottles
- Pillows
- Pouches

Different Attachable Suction Pads

Automatic Interleave
Folding & Insertion

Automatic Product
Stacking by Robots
CASE PACKER

SIDE-LOAD CASE PACKER with robot collation & feeding

Interchangeable gripper for various product collating & stacking configuration

Case Tape Sealing Device

SIDE-LOAD CASE PACKER
TOP-LOAD CASE PACKER

Case forming & feeding system integrated with case packer

Dual pick & load pad to put products into two cases at the same time

Case forming & feeding system integrated with case packer
CASE PACKER with delta robot feeding stations for shampoo pouches

SHAMPOO PRODUCTION LINE
CARTON / TRAY FORMER

MACHINE FEATURES:
- Electro-welded frame & heavy-duty structure
- Double forming head capable of forming different carton formats
- Servo driven, intermittent motion movement
- Overload detent clutch system on main drive
- Hotmelt glue system on adjustable trolleys with position indicator
- Integrated with carton extracting system and transporting system to the former
- Pull out flat blanks from the magazine with on board pneumatic suction cups
- Formers with vertical movement by mechanical drive
- Pneumatic pusher fitted on the forming heads for easy carton uploading after forming
- Simple and easy carton format changeover by handwheels with position indicators
- Electrical cabinet on board the machine, PLC and servo controlled
- Safety door in transparent polycarbonate, easy to open/close
- Interface touch screen panel, all functions easily accessible

OPTIONS:
- Single, double or triple forming heads
- Built-in carton discharge conveyor
- Plunger overload detent system
- Washdown construction

Double forming head capable of forming different carton / tray formats

Size adjustable forming head

Pressurized hotmelt glue system

Magazine with pneumatic suction cups

Forming head equipped with pneumatic pusher for easy carton uploading
AUTOMATION SYSTEM

HORIZONTAL COLLATE UNIT

Compatible with products with different lengths

Interlock with overhead transfer and down-stream multi-wrapper

VERTICAL COLLATE UNIT with two trailing tracks

Photo eye sensor for precise timing for putting products into receiving buckets

Air blast rejection for misfed products
OVERHEAD INDEXING SYSTEM

PICK & LOAD SYSTEM with tray feeding device
Modular Conveyor System that meets your needs

**Turnkey Base Conveyor System & Factory Automation**

*Packaging In-line Transportation*
- Transportation of unpacked or individually packaged materials from one station to the others and to the cartoning and casing areas
- Diverting & Merging Devices
- Inclined Conveyor: angled ascend & descend
- Wedge Conveyor: vertical transportation
- Accumulator & Buffering for temporary storage between processes

*Logistics*
- Transportation of finished products to the palletizing stations and warehouses
- Preferable for long distance transportation for small to large & light to heavy items
- Suitable for the transportation of cartons, trays, cases & boxes
Advantages
- Wide product selection and range to meet various customer requirements
- Increased efficiency and productivity by reduced leadtime and space
- Standardized components allow simple installation & assembly
- Low maintenance, low noise and low friction
- Maximum space utilization for working area
- Easy system integration & reconfiguration
- Increased profitability by automation
- Durable, flexible and long lasting

Hygienic Transportation
- Rotoflex stainless steel version for sanitary packaging
- Ideal for transportation of products that require strict hygiene environment
- Easy-to-clean, water washable system with open design of self draining surface
- Suitable for dairy, meat, & fish industries

Vertical Transportation
- Strong grip with safe delivery
- Transportation system for space utilization
- Flexible 3 dimensional transportation to any required direction
- Maximum utilization of space without falling or damaging products
- Good for transportation between floors by working as an elevator function
- Suitable for cartons, cases, cans, bottles and crates