

YOUNGSUN®

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Unmanned packing, Intelligent system

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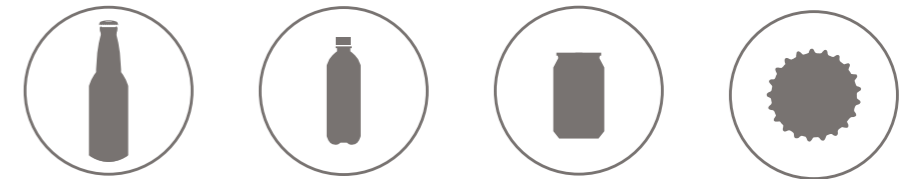
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Beverage equipment solutions

TURNKEY PROJECT MANUFACTURER



OUR PRODUCTS AND SOLUTIONS

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About us

Youngsun Pack group as a listed manufacturer for packaging machines and materials, has influence on market. With 3250 employees and 36 years professional experience, the machines are sold worldwide. As a drafting unit of national standard. Youngsun involves 8 industries.

1. Traditional packing machines
2. Packing materials
3. Packing solution for food and dairy industry
4. Packing solution for beverage industry
5. Packing solution for pharmaceuticals industry
6. Packing solution for chemical industry
7. Packing solution for cosmetic industry
8. Software for smart factories

Youngsun Beer Business division, located in Shantou, China, with a plant of 120,000 square meters, was established in 1975. As of now we have 650 employees, including 102 for R&D.

Our Market

We specialize in the development engineering, manufacturing and sales of packaging equipment for beer and beverage filling. Focusing on bottle line with capacity from 1,000 to 72,000 BPH, and can line capacity with from 1,000 to 90,000 CPH, we have been leading in the industry for decades in China. With German know-how in some products with superior performance and high stability, we have over 40% domestic market share. Advanced processing equipment and skilled personnel contribute to our annual capacity of 40 filling and packaging line. We have among our customers the leading beer companies like Tsingtao, Yanjing, AB InBev, CRB, Heinken, Carlsberg, Kingstar and San Miguel Brewery, etc. And we will keep growing our international footprint beyond our successful stories in Korea, Laos, Vietnam, India and Brazil.

Our Vision

Customer's requirement is our focus. We provide customized one-step service with the most suitable solutions to our customers. Quality oriented, we will keep developing more efficient, more satisfactory and eco-friendly products. Being the expert on filling and packaging equipments, our market share in domestic and international market is keep growing with our good products and professional service.

Certification

- High-tech Enterprise of the Chinese torch program
- 1998, ISO 9001 International Quality Management System Certificate
- Approved CE in 2004
- 2006, ISO 14001 Environmental Management System Certificate
- 2006, OHSAS 18001 Occupational Health and Safety Management System Certificate
- 2006, Certification of Enterprise Standardization of Safety and Quality Assessment Rating
- A number of independent patents
- Constituted 6 provisions of National Light Industry Standards
- Constituted the national standard Technical Requirements for Beer Bottling line
- Drafting unit of Chinese National Standard of Case Sealer
- Drafting unit of Chinese National Standard of Strapping Machine
- Drafting unit of Chinese National Standard of Labeling Machine
- Designated production enterprise of Chinese packing industry

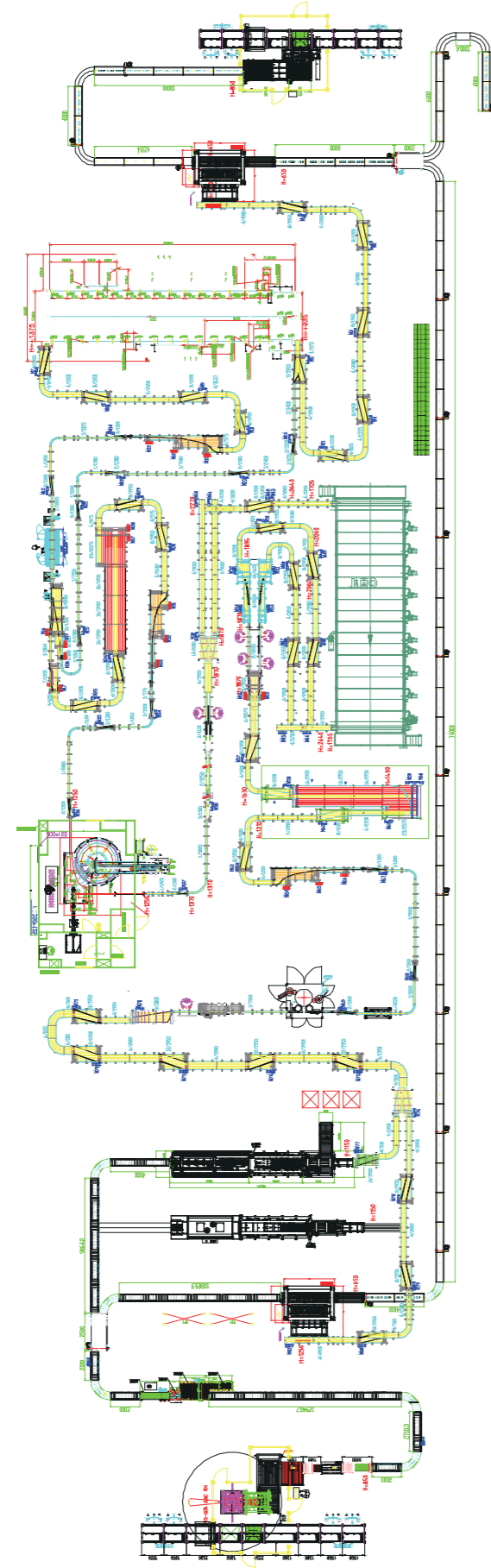
Our Products

From machine engineering to commissioning, from single machine to a complete packaging line, we provide our high quality products for you with global service.

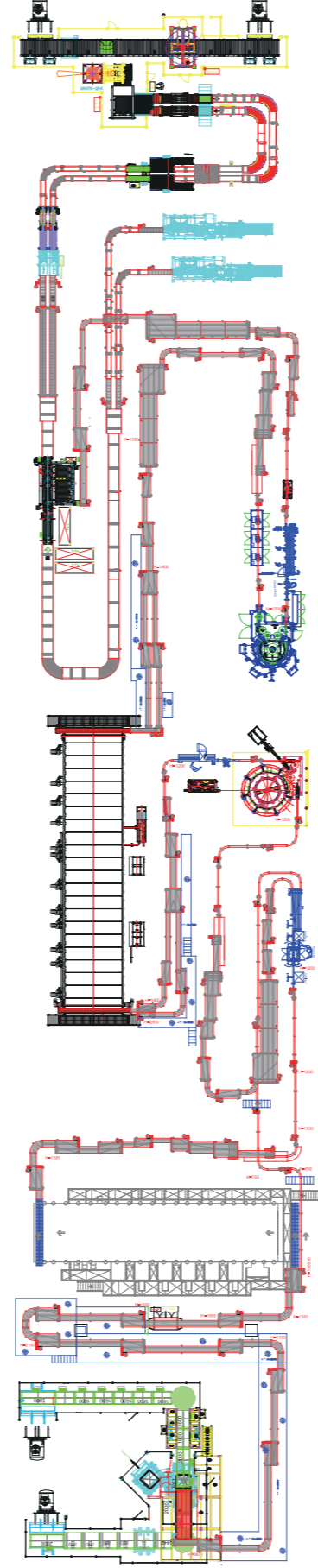
Filler & Crowner	JZY Series Bottle Filler & Crowner	Packer	ZX-P Series Linear-movement Case Packer
	CZY Series Glass/PET Bottle Rinser Filler & Crowner	Unpacker	XX-P Series Linear -movement Case Unpacker
	CZN Series PET Rinser & Filler & Screw Capper		XX-Q Series Case Unpacker
	PGF Series Can Filler & Seamer	Case erector	CF Series Case erector
	YDL Series Can Filler & Seamer(Electric Filling Valves)	Case Sealer	FJ Series Case sealer
	LC Series Can Filler (craft beer)	Shrink wrapper	ZB Series high speed shrink wrapper
	DYV6 Can Filler (craft beer)	Wrap around case packer	ZX Series wrap around case packer
	LDPG Linear Bottle Filler & Crowner (craft beer)	Palletizer & Depalletizer	AS1H Series Bulk Depalletizer
	XP Series Single-end Bottle Washer		JXXD-260(Z) Robotic Carton Depalletizer
	SXP Series Double-end Bottle Washer		JMP-250A Robotic Bottle Palletizer
Pasteurizer	SBW Series Pasteurizer	Pallet Stretch Wrapper	MH-FG Series Pallet Stretch Wrapper
	PIISC Series Energy-efficient Pasteurizer	Conveyor	YSG80 Can End Conveyor (single tunnel)
Labeling machine	HL Series Labeling machine		



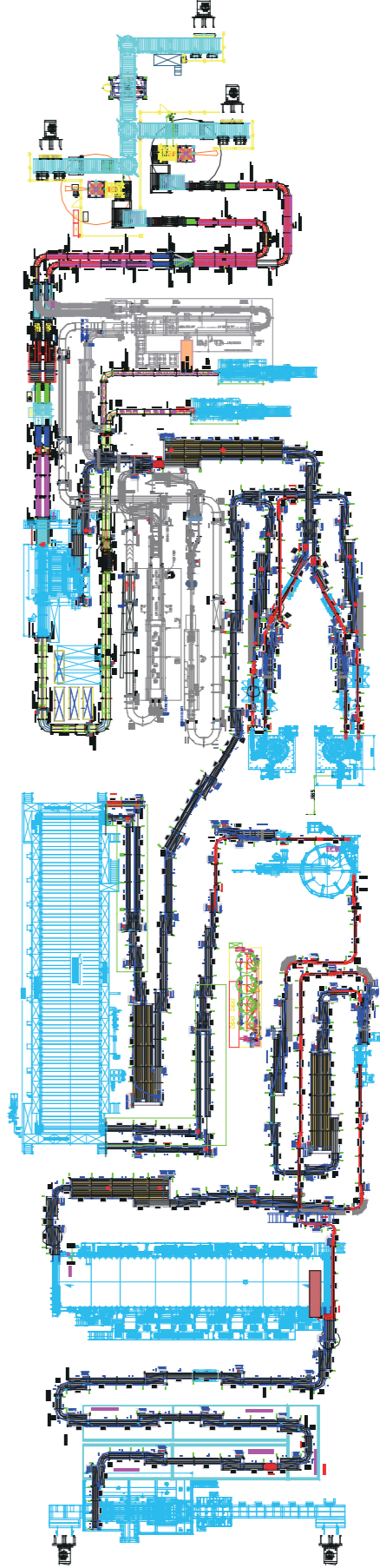
Turnkey Project - 20000-24000 bph bottle line



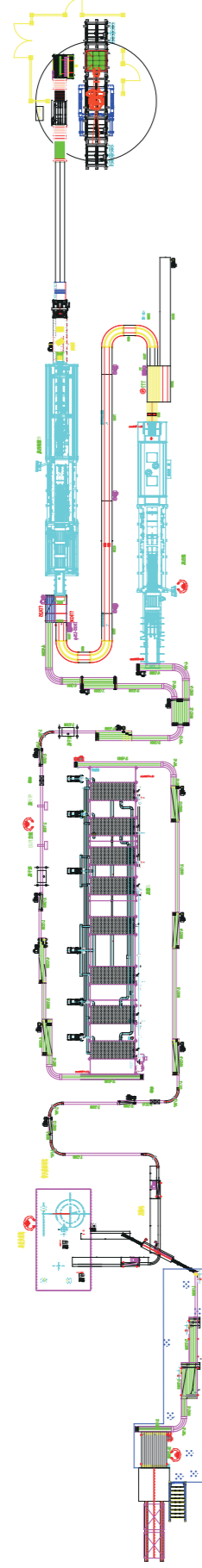
Turnkey Project - 30000-40000 bph bottle line



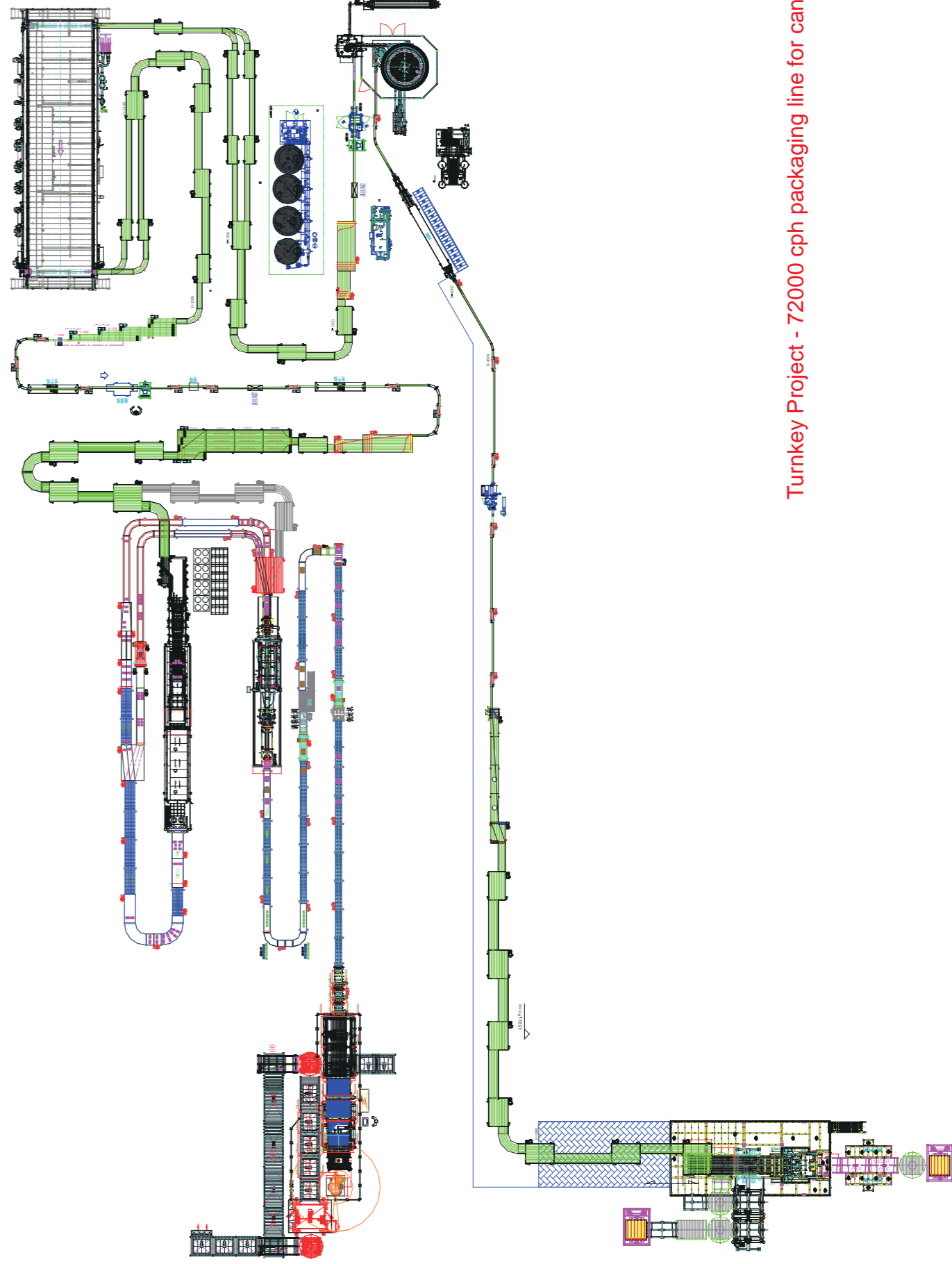
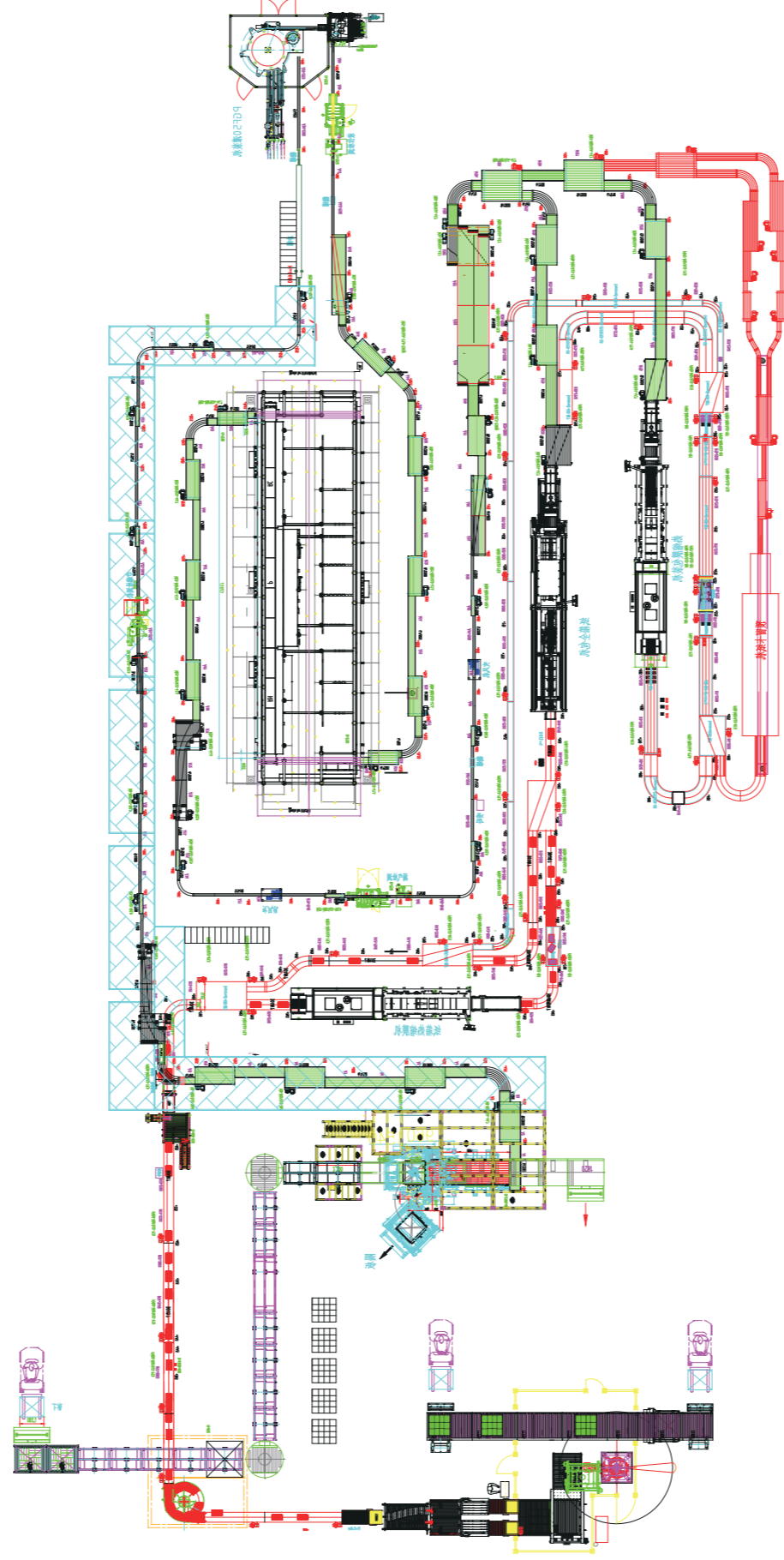
Turnkey Project - 50000 bph bottle line



Turnkey Project - 18000 cph packaging line for can



Turnkey Project - 36000 cph packaging line for can



Turnkey Project - 72000 cph packaging line for can

AS-1-H BULK DEPALLETIZER WITH PALLET LIFT



The AS-1-H is a bulk Depalletizer with pallet lift designed for the top capacity range. It is suitable for processing new containers made of glass, plastic, or metal. By installing the appropriate modules, the machine can be equipped to handle fully automatic disposal of plastic or cardboard pallet liners, in addition to wooden or plastic pallets. Fast product changeover is achieved thanks to a motor-driven adjustable pushoff carriage. The three-side pallet infeed area and the closed well in the pushoff area makes the AS-1-H ideal for processing unstable containers.

Machine Features:

- Twin-column bulk depalletizing robot with pallet lift and elevated container discharge
- Able to process new glass, plastic, or metal containers
- All-sided centering of the layer to be discharged on the pushoff carriage
- All-sided centering of the layer block located below it
- Exact pallet centering by adjustable well walls
- Automatic disposal of inverted liners, slip-sheets, and pallets possible
- Processing of contour containers possible
- Modular design means optimum adaptation to customer requirements coupled with a small assortment of parts
- Ultra modern drive technology comprised of servo motors, cog belts, and continuous-parth control
- Rugged, painted steel base frame
- Servo motor powered, cog-belt-driven sequences of motion
- Operator panel with large size graphical user interface
- Pallet well and integrated pallet lift enclosed on three sides
- Elevated container discharge table

Benefits:

- The consistent modular design guarantees flexibility of changing palletizing tasks and a reduction in the assortment of parts needed, thus cutting the cost of spare part stockkeeping
- Fully developed machine functions and high quality standards ensure many years of up to 98% machine availability
- Operators are able to easily complete product conversions and changeovers during ongoing production operation

Technical Data:

- Machine Capacity: Max. 300 layers/hr
- Block height: Max. 2,600m(including pallet)
- Pallet Dimentsions: 800 to 1,450mm (in direction of pushoff)
800 to 1,250mm (across direction of pushoff)
- Container Dimensions: Diameter: min. 60mm
Height: 60 to 400mm
- Machine dimensions: L3,610 x W3,085 x H5,725 mm (without container discharge table)
- Machine weight: 7,500 kg (without switch cabinet and container discharge table)

Nominal Capacity			Bottle Diameter	Bottle Height	Pallet dimensions (L*W*H)	Container discharge table (L)
PET bottle	Glass bottle	Can				
220 layers/hr	250 layers/hr	310 layers/hr	59~80m m	150~300m m	1420*1200*165mm	≥4000mm



JXXD-260(Z) ROBOTIC CARTON DEPALLETER



The Robotic Carton Depalletizer is one special equipment to unload the returnable cartons (with returnable bottles inside) from standard multilayer pallets and discharge onto the carton packaging line. It's widely used for beer, beverage, condiment bottling line. The robot boasts high efficiency, stable operation, low noise and wide application (flexible design for variable specifications and equipment layouts).

Specifications:

- For glass bottling line
 - Capacity
 - Max. Pallet dimensions
 - Max. Block Height
 - Applicable carton size
 - Product Specifications
- 40,000 BPH
260 layers per hour
1100mm×1100mm×150mm(for plastic or wooden pallets)
2400mm (including pallet,7-9 layers of cartons)
carton of 12 bottles or carton of 24 small bottles
Standard beer bottle + Standard carton

Ambient Conditions:

- Ambient Temperature 5℃ - 45℃
- Ambient Humidity 50~65%RH

Working Conditions:

- Power Source
 - Load Capacity
 - Control Voltage
 - Compressed Air
 - Working Pressure
- 3×380 AC ±10%, 50HZ, can be customized
about 28KW
24V DC
filtered, no oil, no water, no impurity
0.5MPa~0.6MPa

Working Principle

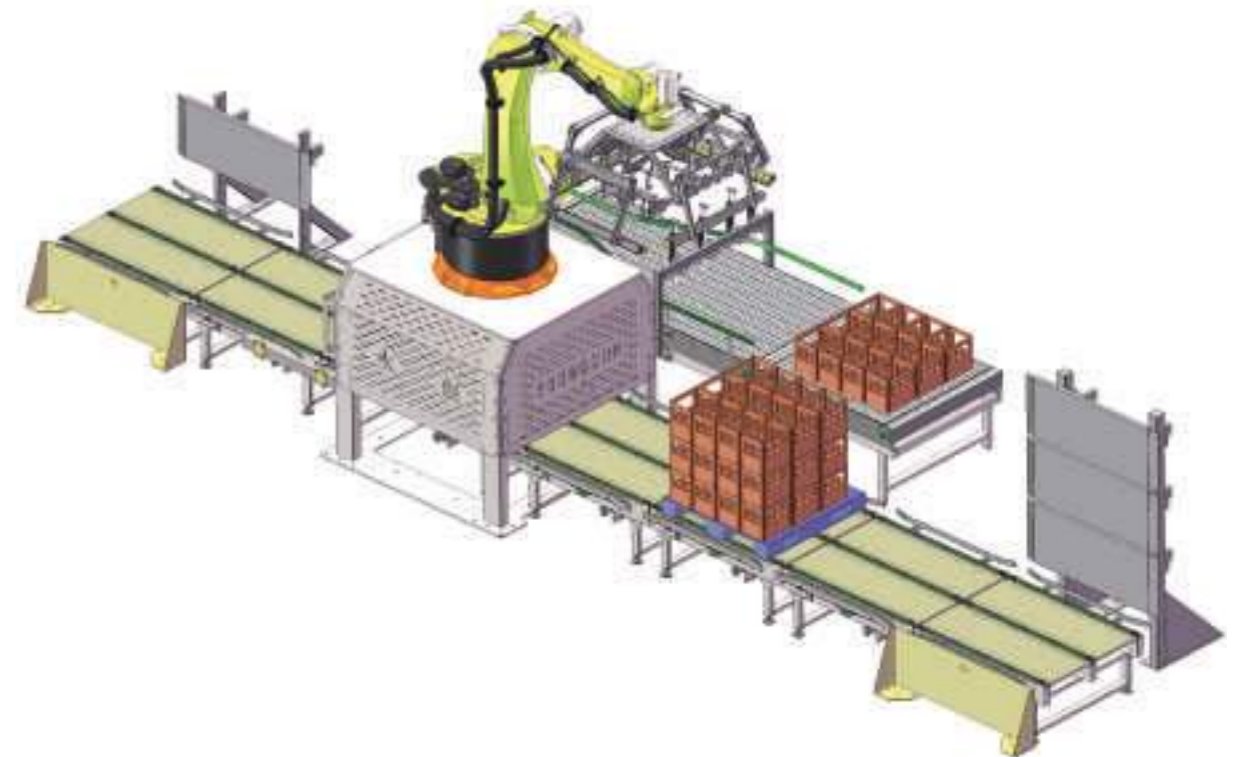
A pallet of layers of cartons (recycling cartons and bottles) is forklifted onto pallet conveyor signaling position to the carton depalletizer robot with a rectangular clamber (12 twin cylinders). Top layer of cartons is clamped onto carton divider, then via 4 rubber roller speed differentiators, cartons move onto 2 different speed carton conveyors and scatter onto carton turner. Cartons turn into one single direction and move to carton cutting line. The steps repeat for the rest of the pallet. Empty pallet moves to pallet warehouse and get forklifted in bulk.

Components

- **Mechanical**
 - Carton divider
 - Carton conveyor
 - Carton turner
 - Main machine
 - Robot
 - Clamber with cylinders on 4 sides
 - Pallet conveyor
 - Pallet warehouse
 - Mechanical safeguarding
- **Electrics**
 - Electric control system
 - Control cabinet
 - Electric safety system

Robot spec

- Manufacturer
 - Type
 - Control Axle
 - Install Position
 - Operating radius Max
 - Load Max
 - Weight
 - Reposition precision
- ABB,KUKA,YOUNGSUN
articulated robot
4
Grounded
3180mm
450KG
2300KG
±0.05mm



XX-P SERIES LINEAR-MOVEMENT CASE UNPACKER

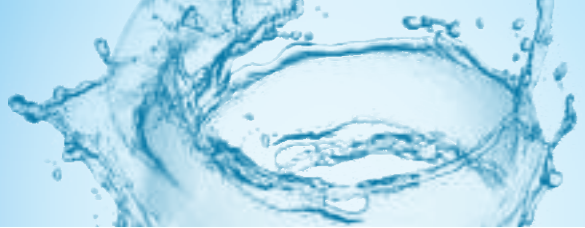


Machine Features:

- Linear-movement case packer based on German know-how
- One gripper rack for different bottle types through pneumatic motion
- Horizontal movement and lifting are driven by SEW biaxial servo motor, more reliable and low noise. Bottles are lifted vertically from the crates. Grippers are durable
- The machine grabs and releases bottles via suction and deflation to grippers. With pneumatic and electrical control, biaxial servo drive, the machine grabs bottles from crates and drops them onto conveyor precisely
- Reliable mechanism, pneumatic components and electrical control for good performance and easy maintenance
- Quick change-over: the gripper rack can be released quickly as a whole for quick change without any adjustment
- Oil-free lubrication for pneumatic components. No noise, no pollution
- Easy and automatic operation with frequency conversion, PLC control and HMI
- Multiple protection with immediate stop at malfunction
- Choices of manual crate infeed, automatic crate infeed and cautious fast crate infeed
- For unpacking glass bottles out of crates to be put on bottle conveyor in beer & beverage industry as well as other industries



Model & Size	XX-PD-144 Linear-movement Case Unpacker	XX-PS-240A Linear-movement Case Unpacker
Nominal Capacity	2100c/h (50400b/h) 4200c/h (50400b/h)	12b/c: 5000c/h (6000c/h)
Width of bottle infeed	3650mm	3266mm
Height of bottle infeed	1000mm	1000mm
Width of crate conveyor	555mm	606mm
Height of crate conveyor	700mm	700mm
Packing heads	144heads	240heads
Bottle Height	330-640ml	330-640ml
Bottle Diameter	Φ60-Φ75 (GB352-76)	Φ60-Φ75 (GB352-76)
Container	Small crate 4X3=12b/c	Small crate 4X3=12b/c
	Big crate 4X6=24b/c	Big crate 4X6=24b/c
Installed power	11.92kW	13.9kW
Compress air	0.5 ~ 0.6Mpa	0.4-0.7Mpa
Operation pressure	cylinders:0.3-0.6Mpa	cylinders:0.3-0.6Mpa
	Packing heads:0.12-0.15Mpa	Packing heads:0.12-0.15Mpa



SXP SERIES DOUBLE-END BOTTLE WASHER



Machine features

- Double-end design with bottle infeed from one end of the machine and discharge from the other end, minimizing the risk of cross-infection
- Separate drive for bottle pockets and infeed/discharge sections, with imported frequency controllers. Mechanical synchronization to connect the 3 parts
- Starwheel connecting rod rotation arms for both machine infeed and discharge that ensure a gentle, reliable and low-noise operation.
- Spraying system: bottles are preheated by lower and upper spraying systems at machine infeed section to prevent contamination of the downstream treatment sections. Bottle inner and surface spraying on top of the caustic tank. The machine end contains hot water, warm water and fresh water spraying. Fixed spraying for bottle outer surface and rotary spraying for inner surface to achieve optimal cleaning.
- Label removing device: Multiple label removal procedure
- Heating system: heating by means of ascending pipe steam. Steam pass through the heat coil while the caustic solution going through the external pipe for efficient heat exchange, making the best of energy sources
- The machine includes pre-heating spraying, caustic soaking and hot water soaking sections. Bottles go through sufficient caustic and hot water soaking, then multiple hot caustic, hot water, warm water and fresh water spraying to guarantee bottle cleaning. Tanks are separated from each other to reduce risk of cross-contamination. Hydrogen exhausting fan at caustic tank I for safety
- High-strength and durable steel bottle pockets. plastic bottle pockets are optional
- The inlet of caustic spraying pipes in all sections are equipped with filters with different diameters which prevents spray nozzles from being clogged
- Stainless steel for discharge section. Auto clean spraying pipe to sterilize the inside of this housing
- The temperature value of the hot water and hot caustic in the abovementioned baths can be set and PID parameters can be modified on the operation panel to achieve precise control
- Fault alarm, operation status and running speed displayed on HMI
- Automatic online caustic concentration measuring device, optional caustic dosing system

Model & Size	SXP32D double-end Bottle Washer	SXP32H double-end Bottle Washer	SXP44D double-end Bottle Washer	SXP44J double-end Bottle Washer	SXP44JH double-end Bottle Washer	SXP47 double-end Bottle Washer
Nominal Capacity	24000	24000	36000	40000	40000-50000	50000
Chain pitch	155mm	155mm	155mm	155mm	155mm	155mm
Bottle pocket pitch	95mm	95mm	95mm	95mm	95mm	95mm
Bottle Diameter	60-82mm	60-83mm	60-83mm	60-83mm	60-83mm	60-83mm
Bottle Height	160-295mm	160-295mm	160-295mm	160-295mm	160-295mm	160-295mm
Bottle pockets per carrier	32	32	44	44	44	47
Bottle pockets carriers(total/loaded)	518 / 415	590 / 473	518 /415	640 /516	691 /567	719 /584
Loading bottles	13280	15136	18260	22704	24948	27448
Bottle pocket move tempo	4.8s	4.8s	3.96 s	3.96 s	3.96 s	3.07 s
Caustic soaking time	16min	17.86min	13.4min	20.1min	21.15min	16.48min
Time of bottle staying in the machine	33.2min	37.76min	27.4min	34min	37.5min	29.9min
Pre-soaking	2m ³	2m ³	2.8m ³	2.8m ³	1.8 m ³	1.6 m ³
DetergentI	20.8m ³	20.8m ³	27.8m ³	27.8m ³	29.2 m ³	37 m ³
DetergentII	22.4m ³	22.4m ³	30m ³	30m ³	32.5m ³	37m ³
DetergentIII	23.2m ³	23.3m ³	31.2m ³	32m ³	30.25m ³	37m ³
DetergentIV		15.4m ³		31.2m ³	40 m ³	37 m ³
Heat water soaking time	5.5m ³	5.5m ³	7.3m ³	7.3m ³	7.8m ³	6.3m ³
Heat Water	1.7m ³	1.7m ³	2.3m ³	2.3m ³	2.5m ³	2.5 m ³
Warm water	1.7m ³	1m ³	1.4 m ³	1.4m ³	1.6 m ³	2.0 m ³
Clean water consumption	Water pressure at 0.15~0.2MPa: 0.5L/b (running normally)	Water pressure at 0.15~0.2MPa: 0.5L/b (running normally)	Water pressure at 0.15~0.2MPa: 0.5L/b (running normally)	Water pressure at 0.15~0.2MPa: 0.5L/b (running normally)	Water pressure at 0.15~0.2MPa: 0.5L/b (running normally)	Water pressure at 0.15~0.2MPa: 0.5L/b (running normally)
Clean steam consumption	Steam pressure at 0.5MPa: 27kg/1000b(running normally)	Steam pressure at 0.5MPa: 27kg/1000b(running normally)	Steam pressure at 0.5MPa: 27kg/1000b(running normally)	Steam pressure at 0.5MPa: 27kg/1000b(running normally)	Steam pressure at 0.5MPa: 27kg/1000b(running normally)	Steam pressure at 0.5MPa: 27kg/1000b(running normally)
Total installed power	approx 115kW	approx 110.5kW	approx 150kW	approx 162kW	approx 177kW	approx 196.41kW
Weight	approx 108t	approx 127t	approx 135t	approx 172t	approx 195t	approx 195 t
Operation weight	approx 204t	approx 240t	approx 245t	approx 343t	approx 379t	approx 420t
Overall dimension (L*W*H)	17.3×7.4×4.6 m	19.46×7.2×4.5 m	17.4×8.4×4.5 m	20.6×8.4×4.5 m	22×8.4×4.5 m	22.4×9.2×4.5 m

XP SERIES SINGLE-END BOTTLE WASHER



Machine Features:

- Single-end design with bottle infeed and discharge from the same end, minimizing the risk of bottle contamination
- Main drive with frequency convertor
- Heating balance design with low steam consumption
- Pre-soaking section, multiple caustic sections and multiple label remove to guarantee for high cleaning rate. With enough soaking in caustic baths, hot water, warm water and fresh water multiple spraying
- Blowing fan at the end of the machine to blow caustic carryover into tank to reduce caustic consumption, thus keep caustic concentration in a balance condition. Incline bottle carriers in the front part of the washer to drain out the water residual out of the bottles. Blowing fans on sidewall to minimize the water residue of the cleaned bottles
- Unique groove profile track to make sure the spraying nozzle centering to each bottle pocket, thus fully clean the bottles
- High-strength and durable steel bottle pockets. plastic bottle pockets are optional
- Extra filter for inlet of label - removing box in caustic tank I to prevent spray nozzles clogging. Newly designed guide strap to support label - removing belt in caustic section I for better circulation. Air blower and brush at the exit of label-removing belt of caustic section I for efficient label removal
- Automatic control and easy operation with PLC and HMI, HMI shows machine running status and fault alarms
- Multi-function overload protection, auto stop at fault and fault detection when such occur:
 - Temperature set point not reached
 - Main drive overload
 - Fresh water pressure lower than set point
 - Water pump malfunction or pressure low
- Rotating arm bottle infeed with sync transmission chain, stable running, stronger and longer life time. Catch-and-push design bottle discharge with advanced reliable mechanism. Auto-return device for both infeed and discharge drive.
- Auto level control for each section. Temperatures in caustic I, caustic II, hot water baths, and of preheat spraying, caustic III, hot and warm water spraying are collected by temperature module, PID calculation is done via PLC, The analog output modules control and display temperatures
- Synchronized inner spraying system, Polished stainless steel for all the spraying pipes
- Online caustic concentration measuring device, Automatic caustic auto dosing system is optional

Model & Size	XP30D Single-end Bottle Washer	XP30E Single-end Bottle Washer	XP42A Single-end Bottle Washer	XP42B Single-end Bottle Washer	XP42C Single-end Bottle Washer	XP42C Single-end Bottle Washer
Nominal Capacity	24000	24000	36000	40000	40000	40000
Chain pitch	155mm	155mm	155mm	155mm	155mm	155mm
Bottle pocket pitch	93mm	93mm	93mm	93mm	93mm	93mm
Bottle Diameter	60-82mm	60-82mm	60-82mm	60-82mm	60-82mm	60-82mm
Bottle Height	160-295mm	170-290mm	170-290mm	170-290mm	170-290mm	170-290mm
Bottle pockets per carrier	30	30	42	42	42b	42
Bottle pockets carriers(total/loaded)	320 / 312	376/368	320/312	352/344	376/368	438/430
Loading bottles	9360	11040b	13104b	14448b	15288b	18060b
Bottle pocket move tempo	4.5 s	4.51s	4.2s	3.78s	3.78s	3.78s
Soaking time	11.93 min	27.5min	21.84min	11.5min	23.18min	27.59min
Time of bottle staying in the machine	23.4min	15.13min	11.13min	21.67min	12.7min	16.25min
Pre-soaking	2.03m ³	2.03m ³	2.8m ³	2.8m ³	2.8m ³	3.2m ³
DetergentI	16.54m ³	19.8m ³	22.87m ³	25m ³	25m ³	32.8m ³
DetergentII	15.38m ³	15.38m ³	21.3m ³	21.3m ³	21.23m ³	26.7m ³
DetergentIII	7.68m ³	7.68m ³	10.6m ³	18.4m ³	10.6m ³	10.3m ³
DetergentIV					10.6m ³	10m ³
DetergentV						9.8m ³
Heat Water	1.5m ³	7.68m ³	2.1m ³	2.1m ³	1.9m ³	1.9m ³
Warm water	1.5m ³	1.38m ³	1.9m ³	1.9m ³	1.1m ³	1.1m ³
Clean water consumption	Water pressure at 0.15 ~ 0.2MPa: 0.5L/b	Water pressure at 0.15 ~ 0.2MPa: 0.5L/b	Water pressure at 0.15 ~ 0.2MPa: 0.5L/b	Water pressure at 0.15 ~ 0.2MPa: 0.5L/b	Water pressure at 0.15 ~ 0.2MPa: 0.5L/b	Water pressure at 0.15 ~ 0.2MPa: 0.5L/b
Clean steam consumption	Steam pressure at 0.5MPa: 27kg/1000b	Steam pressure at 0.5MPa: 27kg/1000b	Steam pressure at 0.5MPa: 27kg/1000b	Steam pressure at 0.5MPa: 27kg/1000b	Steam pressure at 0.5MPa: 27kg/1000b	Steam pressure at 0.5MPa: 27kg/1000b
Total installed power	66.55kW	73kw	88.64kw	92.64kw	97.34kw	113.54kw
Weight	57t	67t	69.8t	82t	96t	112t
Operation weight	109t	130t	137.7t	160t	185t	215t
Overall dimension (L*W*H)	16.5×5.3×3.5 m	18.1×5.3×3.5 m	16.5×6.4×3.5m	17.5×6.4×3.5m	18×6.4×3.5m	20.65×6.4×3.5m

CZY SERIES GLASS BOTTLE RINSER & FILLER & CROWNER
CZN SERIES PET RINSER & FILLER & SCREW CAPPER



Machine Features:

- Short pipe filling valves with advanced Germany knowhow, and with critical parts from Germany
- Bottle neck lifting cylinders with advanced Germany knowhow and critical parts from Germany. Applicable for glass or plastic bottles
- 15°C(59°F)filling temperature with advanced Germany knowhow and with critical parts from Germany. Applicable for glass or plastic bottles
- Pressure release in 2 steps, and release time adjustable
- Modular driving system with frequency control synchronization; speed range wide, running stable
- Screw capper imported from Germany, operation reliable and accuracy high
- Bottle rinser with advanced Germany knowhow and with critical parts from Germany
- Valve manifold and 2-level sterilizing filter for CO2 and compressed air are provided
- Hygiene table with titled surface to avoid water accumulation, easy cleaning
- Bottle conveyor with advanced German knowhow for less change parts and change time
- Highly automatic with PLC controlling filling, vent tube opening/closing, cap sorting, cap infeed blowing, cap missing alert, and central lubrication ect. Operation with HMI
- Auto lubrication for each group with timing and quantity programmable



Model & Size	CZY96/74/14 Rinser Filler & Crowner	WCZY96/84/12 Rinser Filler & Screw Capper	WCZY120/108/18 Rinser Filler & Crowner/Seamer	WCZY96/84/14 Rinser Filler & Crowner	WCZY120/108/18 Rinser Filler & Crowner	WCZY120/120/18 Rinser Filler & Crowner
Nominal Capacity	24000 (275ml bottle)	24000 (640ml bottle)	24000 (275ml bottle)	24000 (640ml bottle)	36000	40000 (640ml bottle)
Container	Glass or PET bottle	Glass or PET bottle	Glass or PET bottle	Glass or PET bottle	Glass or PET bottle	Glass or PET bottle
Bottle Height	190/350mm	160-350mm	190/350mm	190-350mm	190/350mm	190-350mm
Bottle Diameter	φ50-82(mm)	φ52-82mm	φ52/82mm	φ52-82mm	φ50-82(mm)	φ52-82mm
Valve pitch circle	2160mm	2520mm	2520mm	2520mm	3600mm	3960mm
Rinsers	96	96	96	96	120	120
Filling Valves	72	84	84	84	108	132
Crowner Heads	14	12	14	14	18	18
Seamer Heads			14			
Filling Temperature	≤8°C	10~15°C	≤6°C (cocktail) , ≤40°C (beverage)	≤4°C	≤0~4°C	0~10°C
Compressed air consumption	60m³/h (at 0.3MPa)	5m³/h (at 0.3MPa)	5m³/h (at 0.3MPa)	5m³/h (at 0.3MPa)	5m³/h (at 0.3MPa)	5m³/h (at 0.3MPa)
Clean compressed air consumption		55m³/h (at 0.25MPa)	55m³/h (at 0.25MPa)	55m³/h (at 0.25MPa)	55m³/h (at 0.25MPa)	55m³/h (at 0.25MPa)
CO2 consumption(at SVF)			250g/100L (at 0.6MPa)	250g/100L (at 0.6MPa)		250g/100L (at 0.6MPa)
Vacuum pump water consumption		1.5m³/h		1m³/h (at 0.2Mpa, water temperature≤18°C)	1.5m³/h	2m³/h (at 0.2Mpa, <18°C)
Total installed power (incl. vacuum pump)	27.27KW	39KW (vacuum pump 15KW)	29.27KW	34.27KW (vacuum pump15KW)	49.17KW (vacuum pump 22KW)	55.72KW (vacuum pump 22KW)
Weight	28T	24.5T	28T	25T	25T	35T
Overall dimension (L*W*H)	10530×9270×2600mm	6500×7240×3500mm (exclude pipelines)	10530×9270×2600mm	10530×8970×2600mm	6700×8750×3500mm (exclude pipelines)	10530×9270×3500mm
Bottle breakage rate	≤0.2‰	< 0.2‰	≤0.2‰	≤0.2‰	≤0.2‰	≤0.2‰
Qualified cork sealing ratio	≤0.2‰	≥99%	≥99.99%	≥99.99%	≥99.99%	≥99.99%
Filling accuracy	≥95% (±3mm)	≥95% (±3mm)	≥95% (±3mm)	≥95% (±3mm)	≥95% (±3mm)	≥95% (±3mm)
Liquide lose rate	0.5%~0.8% (level at ±6mm)	0.5%~0.8% (level at ±6mm)	0.5%~0.8% (level at ±6mm)	0.5%~0.8% (level at ±6mm)	0.5%~0.8% (level at ±6mm)	0.5%~0.8% (level at ±6mm)



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JZY SERIES GLASS BOTTLE FILLER & CROWNER



Machine Features:

- Short pipe filling valves (SVF) with advanced German knowhow and with critical parts from Germany. Also applicable for medium temperature filling
- External bottle neck lifting cylinder with advanced German knowhow and with critical parts from Germany
- Open-style crowner with advanced German knowhow
High-strength lube free axle housing
Critical parts imported from Germany
Good for max cleaning and minimum microbial contamination
- High pressure foaming injection system with the most advanced German knowhow
Injection pressure is synchronized with filling speed
Injection pump, heater and injection nozzle imported from Germany
- Bottle infeed screw, star wheel and guiding board with advanced German knowhow for quick changeover
- Cap hopper and elevator with advanced German knowhow and with critical parts from Germany. Less cap distortion, simpler structure and easier cleaning
- Hygiene table with titled surface to avoid water accumulation, easy cleaning
- Valve manifold and 2-level sterilizing filter for CO2 and compressed air are provided
- Auto lubrication for each group with timing and quantity programmable
- Modular driving system with frequency control synchronization; speed range wide, running stable
- highly automatic with PLC controlling filling, burst glass flushing, vent tube opening/closing, high pressure foam injection, cap sorting, cap infeed blowing, missing cap alert, and central lubrication etc. Operation on HMI

Model & Size	JZY81/14 Filler & Crowner	JZY96/14 Filler & Crowner	JZY108/18 Filler & Crowner	JZY120/18 Filler & Crowner	JZY132/18 Filler & Crowner	JZY144/24 Filler & Crowner
Nominal Capacity	24000	30000	36000	40000	40000	50000
Bottle Height	190-350(mm)	190-350(mm)	190-350(mm)	190-350(mm)	190-350(mm)	190-350(mm)
Bottle Diameter	φ52-φ82(mm)	φ52-φ82(mm)	φ52-82(mm)	φ52-82(mm)	φ52-82(mm)	φ52-82(mm)
Valve pitch circle	2520mm	2880mm	3240mm	3600mm	3960mm	4320mm
No. of Filling Valves	84	96	108	120	132↑	144
No. of Capper Heads	14	14	18	18	18↑	24
Filling Temperature	≤4°C	≤4°C	≤4°C	≤4°C	≤10°C	≤4°C
Compressed air consumption	5m ³ /h (at 0.3MPa)	5m ³ /h (at 0.3MPa)	5m ³ /h (at 0.3MPa)	5m ³ /h (at 0.3MPa)	5m ³ /h (at 0.3MPa)	5m ³ /h (at 0.3MPa)
Aseptic air consumption	55m ³ /h (at 0.25MPa)	55m ³ /h (at 0.25MPa)	55m ³ /h (at 0.25MPa)	55m ³ /h (at 0.25MPa)	55m ³ /h (at 0.25MPa)	60m ³ /h (at 0.25MPa)
CO2 consumption(at SVF)	250g/100L (at 0.6MPa)	250g/100L (at 0.6MPa)	250g/100L (at 0.6MPa)	250g/100L (at 0.6MPa)	250g/100L (at 0.6MPa)	300kg/h (at 0.6MPa)
Vacuum pump water consumption	1.5 ³ /h (at0.2Mpa, <18°C)	1.5 ³ /h (at0.2Mpa, <18°C)	1.5 ³ /h (at0.2Mpa, <18°C)	1.5 ³ /h (at0.2Mpa, <18°C)	1.5 ³ /h (at0.2Mpa, <18°C)	1.5 ³ /h (at0.2Mpa, <18°C)
Total installed power (incl. vacuum pump)	27.22KW (vacuum pump 15KW)	27.22KW (vacuum pump 15KW)	37.22KW (vacuum pump 22KW)	37.22KW (vacuum pump 22KW)	39.22KW (vacuum pump 22KW)	58 . 67KW (vacuum pump 37KW)
Weight	20T	20T	25T	28T	30T	38T
Overall dimension (L*W*H)	7800×4200× 3500mm	7800×4200× 3500mm	8100×4600× 3500mm	8100×5000× 3500mm	9000×5000× 3500mm	9500×5600× 3500mm
Level	± 3mm	± 3mm	± 3mm	± 3mm	± 3mm	± 3mm
I Oxygen pick up	≤0.03ppm	≤0.03ppm	≤0.03ppm	≤0.03ppm	≤0.03ppm	≤0.03ppm
I Air content in bottle neck	≤0.75ml/bottle	≤0.75ml/bottle	≤0.75ml/bottle	≤0.75ml/bottle	≤0.75ml/bottle	≤0.75ml/bottle
Qualified cork sealing ratio	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998
I Bottle breakage ratio	0.9998	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%

PGF SERIES CAN FILLER & SEAMER



Machine Features:

- Internal high-precision mechanical filling valves with advanced German knowhow
- HMI for fully automatic operation of height adjustment, rinsing, etc
- For both cold filling of beer or fiber-free CSD like cola and hot filling of fiber-free beverages
- Hygienic open-structure with complete external cleaning system
- Cleaning cup can be quick installed without any tools
- Driven by motors separately, filling bowl and control ring are adjusted synchronously for cans of different heights on HMI
- Automatic lubrication with one central lube supply system for the entire machine
- Imported can seamer

Can pitch circle	Number of Valves	Capacity (C/H)
1600	/ 30, 40 or 50	/ 13.000 to 40.000
1920	/ 60	/ 27.000 to 50.000
2166	/ 76	/ 32.000 to 60.000
2622	/ 92	/ 43.000 to 72.000
3078	/ 108	/ 51.000 to 80.000
3534	/ 124	/ 60.000 to 90.000
4104	/ 144	/ 72.000 to 100.000



Model & Size	PGF50 CAN Filler & Seamer	PGF40 CAN Filler & Seamer	PGF108 CAN Filler & Seamer
Nominal Capacity	600CPM (330ml bottle)	24000CPH (330ml bottle) & 18000CPH (500ml bottle)	60000CPH (500ml bottle) & 60000CPH (330ml bottle)
Filling Valves	50 units	40 units	108 units
Filling Valve center diameter	2000mm	1680mm	3078mm
Valve Pitch	125.66mm	131.95mm	89.5mm
Filling Temperature	0~4°C	0~4°C	≤4°C
Max. filling pressure	7bar	7bar	7bar
Empty can DIN	50-90mm	50-66mm	50.8-76mm
Empty can height	85-195mm	85-195mm	90-200mm
Overall dimension (L*W*H)	12000×6000×2500mm	12000×6000×2500mm	12500×6500×2500mm
Filling bowl weight	300L	260L	580L
Weight (without seamer)	12000kg	10000kg	23000kg
operational weight (without seamer)	13500kg	12000kg	26000kg
Support feet	11	11	11
Building Load-bearing	2000kg/foot	2000kg/foot	3500kg/foot
Support feet adjusted range	50mm	50mm	50mm
Motor power	19.62kW	19.62kW	19.62kW
Seamer main drive	18.5kW	18.5kW	18.5kW
Filler heigh adjustment motor	0.75kW	0.75kW	0.75kW
Min. CO2 consumption	0.75kW	500g/hl	500g/hl
Max. CO2 consumption	700g/hl	700g/hl	700g/hl
CO2 pressure	1,5bar	1,5bar	1.5-6bar
Air pressure	5bar	5bar	5bar
Compressed air consumption	1Nm ³ /h	1Nm ³ /h	1Nm ³ /h
Lubrication water consumption	0,1m ³ /h	0,1m ³ /h	0,1m ³ /h
Beer pipe diameter	DIN80mm	DIN80mm	DIN100mm
Co2 inlet pipe diameter	DIN25mm	DIN25mm	DIN50mm
Compressed air pipe diameter	DIN25mm	DIN25mm	DIN25mm
Clean water pipe diameter	DIN40mm	DIN40mm	DIN40mm

YDL SERIES CAN FILLER & SEAMER



Machine Features:

- External electronic filling valves with advanced Germany knowhow for filling level accuracy of ±1ml
- Automatic operation on HMI for filling volume setting, height adjustment, rinsing, etc
- For cold filling of beer and CSD like cola and hot filling of fiber-free beverages
- Hygienic open-structure with complete external cleaning system
- Cleaning cup or auto CIP, easy detachable without any tools
- Driven by motors separately, filling bowl and control ring are adjusted up and down synchronously for cans in different heights on HMI
- Automatic lubrication with one central lube supply system for entire machine
- Imported can seamer
- Series:

Number of filling Valves	Capacity (C/H)
40 or 50	15000-36000
60 or 76	24000-60000
92	40000-72000
108	50000-80000
128	60000-90000

Model & Size	YDL128 CAN Filler & Seamer	
Nominal Capacity	90000 (330ml bottle)	72000 (500ml bottle)
Filling Valves	128unit	128unit
Filling Valve center diameter	3648mm	3648mm
Valve Pitch	89.5mm	89.5mm
Filling Temperature	0~4°C	0~4°C
Max. filling backpressure	7bar	7bar
Empty can DIN	50-76mm	50-76mm
Empty can height	85-200mm	85-200mm
Overall dimension (L*W*H)	6000×5500×3500mm	6000×5500×3500mm
Filling bowl weight	500L	500L
Weight (without seamer)	25000kg	25000kg
operational weight (without seamer)	28000kg	28000kg
Support feet	11	11
Building Load-bearing	3000kg/foot	3000kg/foot
Support feet adjusted range	50mm	50mm
Motor power	19.62kW	19.62kW
Seamer main drive	18.5kW	18.5kW
Filler height adjustment motor	0.75kW	0.75kW
Min. CO2 consumption	0.75kW	500g/hl
Max. CO2 consumption	700g/hl	700g/hl
CO2 pressure	4bar	4bar
Air pressure	5.5bar	5.5bar
Compressed air consumption	1Nm³/h	1Nm³/h
Lubrication water consumption	0,1m³/h	0,1m³/h
Beer pipe diameter	DIN100mm	DIN100mm
Co2 inlet pipe diameter	DIN25mm	DIN25mm
Compressed air pipe diameter	DIN25mm	DIN25mm
Clean water pipe diameter	DIN40mm	DIN40mm

PIISC SERIES ENERGY-EFFICIENT PASTEURIZER



Machine Features:

- Made with the most advanced Germany technologies and process. Double deck structure with double or single tunnel. For beverage (beer) pasteurizing and warming
- Central heating with hot water buffer tank. Save steam and water compared to traditional ones
- Advance German PU control system. Control accuracy high and energy consumption low
- Optimal arrange of temperature zones(10-12 zones). Sufficient heat exchange, tiny temperature variance between zones, few broken bottle, stable running
- Double deck spraying with plastic clip-on nozzles of German design. Wide and even spraying. On-line clip-on flushing nozzles to avoid jam, which can be easily detachable
- Stainless Steel for tunnels, main belt and heat exchanger
- Open frame structure with maintenance doors with inspection windows on both sides
- Cleaning manhole for each water tank
- Auto on-line filtration system
- One motor for every belt with overload protection. frequency converters for motors provide more protection and easy adjustment to the machine
- Clean water rinsing system on top of the outfeed conveyor. Nozzles can be installed to rinse bottle caps if required
- I/O control cabinet communicate with PLC via Profibus. Easy maintenance



Model & Size	PISSC42-143 Energy-efficient Pasteurizer	PIISC52-180 Energy-efficient Pasteurizer	PIISC52-233 Energy-efficient Pasteurizer	PIISC52-285 Energy-efficient Pasteurizer	BPIIS2-225 Energy-efficient Pasteurizer
Nominal Capacity 640ml bottle(Φ75mm)	24000	40000	40000	50000	50000
Total treatment area	119.7m ²	189m ²	244m ²	299m ²	236m ²
Total treatment time	62.2min	51.1min	66.1min	68min	
Pasteurizer time	9.8min	8.5min	6.6min		10min
Layers	2	2	2	2	2
Warm zones	10	10	12	12	10
Heat zones	3	3	4	4	3
Pasteurize zones	4	4	4	4	4
Pasteurizer temperature	61.5°C	61.5°C	61.5°C	62°C	61.5°C
Bottle infeed temperature	7°C	5°C	10°C	5°C	7°C
Bottle discharge temperature under balance state	35°C	35°C	30°C	≤30°C	35°C
Max. clean water temperature	30°C	30°C	30°C	28°C	30°C
Min. clean water temperature	12°C	12°C	12°C	5°C	12°C
Total pasteurize unit	20PU	20PU	10PU	10PU	20PU
Heat consumption	5bar	5bar	5bar	5bar	5bar
Max. heat consumption during power on	2000kg/h	3700kg/h	3361kg/h	4280kg/h	4220kg/h
Heat consumption under balance state	930kg/h	2000kg/h	1400kg/h	1905kg/h	2254kg/h
Compressed air consumption	6bar	6bar	6bar	0.5Mpa	6bar
Consumption	6bar	2.5m ³ /h	2.5m ³ /h	2.5m ³ /h	2.5m ³ /h
Water pressure during production	2-5bar	2-5bar	2-5bar	2-5bar	2-5bar
Consumption under continuous operation	1~2m ³ /h	1~2m ³ /h	1~2m ³ /h	1~2m ³ /h	1~2m ³ /h
Max. water volume	8.8m ³	12.9m ³	14.6 m ³	18 m ³	14 m ³
Total installed power	81.95kW	104.45 kW	129.95 kW	160.35 kW	125.45 kW
Overall dimension (L*W*H) (without operation flat and pipeline)	15650×4620×3269mm	21500×7300×3269mm	26400×7300×3269mm	32110×7300×3269mm	26110×7300×3269mm
Net weight	31T	54T	60T	68T	55T
Operation weight	70T	140T	155T	175T	150T

SBW SERIES BOTTLE PASTEURIZER



Machine Features:

- Double or single deck. For beverages or beer pasteurization and warming
- Stainless steel for housing, water tank, heat exchanger, filtering belt and water recycling pipes except the steam pipe
- Driven by low-speed high torque motor. Less power consumption. Stable, reliable & safe running
- Wide water spraying with clogging-proof nozzles. Even temperature in each zone and low temp-variance between zones for minimum broken glass and optimal pasteurization
- Circulation piping at machine bottom for maximum heat use and energy saving, water saving via water-overflow prevention in case of pump malfunction. Operation cost slow
- Stainless steel or wearable plastic conveying belt
- Separate drive for the conveying belt each deck with motor overload alarm and variable speed regulating, reliable.
- variable frequency control for the main drive. HMI for PU value control. Operation and malfunction message management via database
- Simple operation system with malfunction message and operation status display. Reliable control cabinet for good operation

Model & Size	SBW 24 tunnel pasteurizer	SBW40A tunnel pasteurizer
Nominal Capacity 640ml bottle(Φ75mm)	24000	40000
Effective treatment area	103.13m ²	173.34m ²
Total treatment time	47.15min	43.63min
Machine operating height	upper deck : H1=2230 mm	upper deck : H1=2230 mm
	lower deck : H2=1450 mm	lower deck : H2=1450 mm
Pasteurizing temperature	60.5°C~61°C	61°C~62°C
Moving speed of wire mesh conveyor	355.11 mm/min	392 mm/min
Bottle height	≤300mm	≤300mm
Steam consumption (pressure : 0.4~0.5Mpa)	Starting phase:1800kg	Starting phase:2668kg
	Continuous operation:1500kg/h	Continuous operation:1735kg/h
Water consumption (pressure : 0.2~0.3Mpa)	Initial fill-up:≈16m ³	Initial fill-up:≈26m ³
	Normal operation : 2.5 ~ 3.5m ³ /h	Normal operation : 2.5 ~ 3.5m ³ /h
Air supply pressure	Air supply pressure : 0.4~0.5 Mpa	Air supply pressure : 0.4~0.5 Mpa
	Consumption on normal operation : ≈6m ³ /h	Consumption on normal operation : ≈6m ³ /h
Installed power	63.1KW	81.6KW
Machine net weight	25t	48t
Machine operating weight	70t	135t
Machine dimensions(L×W×H)	17130×3340×3058mm	18470×6000×2825mm



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HL SERIES LABELING MACHINE



Machine Features:

- Machine is with beautiful design, main frame is using high grade carbon steel, covering stainless steel, solid and free of corrosion. Uncovered parts are anti corrosion treated and sprayed with protective paint
- Large color touch screen containing machine parameters, production info, malfunction and other relative info
- Machine driving power is from German SEW reducer
- Synchronous belt controlling infeed worm, easy to adjust
- Conveyor stand can apply to 82.6 width chain plate. Support side plate is using stainless steel plate with 3mm thickness.
- Bottle type changing parts are using fast change design or won't use any tools in the changing process, and using extremely short time. In the condition when operator is familiar with the parts, only need 10-15minutes to switch, increased production efficiency
- Bottle rotary table is using high grade alloy aluminum, ensures enough strength and utmost reduces self rotary inertia
- It can easily change from maximum rotation speed to motionless. With advanced frequency convertor soft brake technology, it can utmost ensure mechanical structure from damage
- Complete monitoring system is all around the machine, they can feedback machine condition real time onto touch screen
- Central lubrication system provide high grade lubrication for machine lubrication points



Machine type	HL-2C-18	HL-2C-30	HL-2D-42
Capacity	24000BPH	40000BPH	50000BPH
Bottle type	330ml&650ml	330ml&650ml	330ml&650ml
Label type	neck/body/back	neck/body/back	neck/body/back
Way of labeling	cold glue	cold glue	cold glue
Main motor power	5.5kw	7.5kw	7.5kw
Main motor	SEW	SEW	SEW
Main voltage	380±10%V	380±10%V	380±10%V
Frequency	50Hz	50Hz	50Hz
Suitable for bottle type	φ45-90,H=180-320	φ45-90,H=160-320	φ45-100,H=260-360
Numbers of centering bells	18	30	42
Dimensions (mm)	2660*2660*2450 (mm)	3400*2850*2450 (mm)	3310*3135*2800mm
Weight	About 5000kg	About 5500kg	About 10500KG
Compressed air	Consumption 0.08M3/min	Consumption 0.08M3/min	Consumption 0.08M3/min
Weight range of coated paper	70~110g	70~110g	70~110g
Weight range of coated paper with film	70~100g	70~100g	70~100g
Glue PH range	4.5~5.5	4.5~5.5	4.5~5.5
Nnit of viscosity	80000	80000	80000

CF-40T FULL AUTOMATIC CASE ERECTOR WITH TAPE



This machine is used to automatically erect case and seal the bottom of the case with pressure-sensitive adhesive tape like PVC and BOPP or glue. It is used to shape the case of regular shape. Our company can customize case erector according to customers' requirements to satisfy different needs. The machine has wide applications in the industry of food, chemical fiber, tobacco redrying, pharmacy, publish, air conditioning, household appliance, ceramics, hot work and so on

Machine features:

- The processing of machine is robust
- This case erector is suitable for a lot of different carton size
- Adjustment can be finished by handle
- Alarm, if the carton magazine is empty
- High efficiency and energy saving
- Easy maintenance
- Most of structures are made in stainless steel, some parts are made in stainless steel (save cost and lower price)
- The machine is controlled by both cylinder and servo motor, the working process is more stable and smooth
- With 3pcs servo motors, reduce the usage of chain and other easily damaged parts (reduce the noise and save the cost of maintenance for customer)
- The machine is with good safety protective function, such as over-loading protection and safety door.

Basic information:

- Power supply 3P 380V/50HZ, 3.9KW
- Protective power supply IP54
- Air pressure 0.6Mpa, ≥6Kgf/cm², Air pipe φ10mm
- Air consumption 500L/min
- Case size provide by user (can be customer-made)
- Consumption of hot glue less than 1.3Kg/KL
- Erecting mode horizontal shape, by vacuum suction cup, side erecting
- Erecting speed ≤45 carton/min
- Worktable height Standard 1000+50mm (adjustable)
- Production efficiency ≥95%
- Pass rate of erecting 99.9%
- Dimensions L4659×W2200×H2065mm (standard machine)
- Machine weight G.W. 3850kgs/N.W 3700kgs
- Noise ≤70DB
- Environment Humidity ≤ 98%, Temperature -10-40°C
- Packing size L 4800 x W2300 x H2300mm

CF-40T Working process:

- adjust the machine according to the carton size
- put carton paper board onto the stock frame neatly
- suck and erect case
- fold front & back flap
- fold top & bottom flap
- seal bottom by tape

CF-40T-H Working process:

- erect the case with pneumatic component
- fold front and rear covers of carton
- spray hot glue on both covers
- fold left and right covers of carton
- seal it with glue
- output

CF-40T-H FULL AUTOMATIC CASE ERECTOR WITH HOT GLUE

- Hot glue system Nordson



ZX-P SERIES LINEAR-MOVEMENT CASE PACKER



Machine Features:

- This machine grabs and releases bottles via suction and deflation to grippers. With pneumatic and electric control, biaxial servo drive, the machine grabs bottles from bottle conveyor and drops them into crates sent by crate conveyor precisely
- Precision, low noise easy maintenance and safety with horizontal and vertical biaxial servo drive. Bottles are vertically dropped into crates. Grippers are durable
- Reasonable mechanism, pneumatic components and electrical control for good performance and easy maintenance
- Quick change-over: The sorting plates as a whole are adjusted via a manual handle. The whole gripping rack is released pneumatically for quick change without any adjustment.
- Oil-free lubrication for pneumatic components. Low noise. No oil pollution
- Easy and automatic operation with frequency conversion, PLC control and HMI
- Multiple protection with immediate stops at malfunction
- Choices of manual crate infeed, automatic crate infeed and continuous fast crate infeed



Model & Size	ZX-PD-96A Linear-movement Case Packer	ZX-PD-192A Linear-movement Case Packer	ZX-PS-144A Linear-movement Case Packer(Double channel)	ZX-PS-192A Linear-movement Case Packer(Double channel)	ZX-PS-240A Linear-movement Case Packer(Double channel)	ZX-PS-192B Linear-movement Case Packer(Double channel)
Nominal Capacity (12b/c)	2600c/h (31200b/h)	5210c/h (62520b/h)	4000c/h (48000b/h)	4200c/h (50400b/h)	5210c/h (62520b/h)	Capacity (12b/c) 4200c/h (50400b/h) Capacity (24b/c) 2100c/h (50400b/h)
Width of bottle infeed	2510mm	4994mm	2510mm	3458mm	3864mm	2510mm
Height of bottle infeed	1000mm	1000mm	1000mm	1000mm	1000mm	1000mm
Width of crate conveyor	440mm	440mm	606mm	606mm	606mm	780mm
Height of crate conveyor	700mm	700mm	700mm	700mm	700mm	700mm
Packing heads	96heads	192heads	144heads	192heads	240heads	192heads
Bottle Height	330-640ml	330-640ml	330-640ml	330-640ml	330-640ml	330-640ml
Bottle Diameter	Φ60-Φ75 (GB352-76)	Φ60-Φ75 (GB352-76)	Φ60-Φ75 (GB352-76)	Φ60-Φ75 (GB352-76)	Φ60-Φ75 (GB352-76)	Φ60-Φ75 (GB352-76)
Container	Carton 4X3=12b/c	Carton 4X3=12b/c	Carton 4X3=12b/c	Carton 4X3=12b/c	Carton 4X3=12b/c	Carton 4X3=12b/c
	Small crate 4X3=12b/c	Small crate 4X3=12b/c	Small crate 4X3=12b/c	Small crate 4X3=12b/c	Small crate 4X3=12b/c	Small crate 4X3=12b/c
	Big crate 4X6=24b/c	Big crate 4X6=24b/c	Big crate 4X6=24b/c	Big crate 4X6=24b/c	Big crate 4X6=24b/c	Big crate 4X6=24b/c
Installed power	11.92kW	11.92kW	11.92kW	11.92kW	14.12kW	11.92kW
Compress air	0.5-0.6Mpa	0.5-0.6Mpa	0.5-0.6Mpa	0.5-0.6Mpa	0.5-0.6Mpa	0.5-0.6Mpa
Operation pressure	cylinders: 0.3-0.6Mpa	cylinders: 0.3-0.6Mpa	cylinders: 0.3-0.6Mpa	cylinders: 0.3-0.6Mpa	cylinders: 0.3-0.6Mpa	cylinders: 0.3-0.6Mpa
	Packing heads: 0.12-0.15Mpa	Packing heads: 0.12-0.15Mpa	Packing heads: 0.12-0.15Mpa	Packing heads: 0.12-0.15Mpa	Packing heads: 0.12-0.15Mpa	Packing heads: 0.12-0.15Mpa
Working time	≥10.8s	≥10.8s	≥10.8s	≥10.8s	≥10.8s	≥10.8s
Overall dimension (L*W*H)	3240×3360×3600mm (W/O conveyor)	6192×3360×3600mm (W/O conveyor)	3240×3360×3600 (W/O conveyor)	4210×3360×3600mm (W/O conveyor)	4620×3360×3600mm (W/O conveyor)	3240×3360×3600mm (W/O conveyor)
Weight	4t	5.5t	5t	5.5t	6t	5t



MH-FJ-3AR FULLY AUTOMATIC CASE SEALER



MH-FJ-3AR is used to automatically seal carton with pressure-sensitive adhesive tape like PVC and BOPP. It is used for the carton in regular shape. Carton sealer can be customized according to customers' requirements so as to meet different customers' needs. The machine has been widely used in the beverage industry, food chemical fiber, tobacco redrying, pharmacy, publish, air conditioning, household appliance, ceramics, hot work and so on

YOUNGSUN is draft unit of national standard of case sealer in China and has years of experience in manufacturing carton sealer. The high quality of all materials and high technical standards for all mechanical and electronic components, with high efficiency precisely assembling and testing procedures, lead to high performance, safe and durable products



Machine features:

- Manual adjustment by handle for different cartons' width and height
- Top and bottom belts drive
- Welcome for beverage industry
- Automatically fold carton top flaps
- Can be cooperate with case erector, case packer and strapping machine as traditional packing solution
- High efficiency and energy saving
- Easy maintenance

Basic information:

- | | |
|--------------------------|---|
| • Power supply | 3P 380V 50Hz/60Hz 600W |
| • Machine dimensions | L2100xW1486xH (table height+1000) mm |
| • Machine weight | 320kg |
| • Table height | 600~750mm (adjustable) |
| • Convey speed | 38m/min |
| • Carton dimensions | L (200~400) xW (160~400) xH (200~400) mm |
| • Adhesive tape spec | 48~72mm |
| • Adhesive tape material | Kraft paper or BOPP (Option: hot glue) |
| • Air pressure | 4~6 kgf/cm ² |
| • Contactor | France Schneider |
| • Pushbutton switch | France Schneider |
| • Motor | SEW |
| • Pneumatic components | Festo |
| • Working noise | ≤75DB |
| • Surroundings | humidity≤98%, temperature 0~40 oC |
| • Optional parts | A: extensional input/output roller conveyor
B: Truckles
C: Q304/Q201 stainless steel
D: safety guard
E: hot melt system as option |



YS-ZB SERIES SHRINK WRAPPING MACHINE



The shrink wrapping machine YS-ZB series is able to pack all kind of products with neutral or pre-printed shrink film only, pad and film, tray and film. Shrink Wrapping machine is a piece of automatic packaging equipment which can be applied to different containers such as PET bottles, glass bottles and zip-top cans etc. The main components include container feeding, container arranging device, film stretching device, film cutting system, film convey system and shrinkable furnace etc

Machine Features:

- The safety device will stop automatically and alarm when the equipment has abnormal situations
- Simple structure and easy maintenance
- High degree of automation and intelligence
- Mechanism adjustment: Only takes 20minutes to change the bottle height and diameter and 10minutes to change the way of combination
- Servo motor controls the rows of combination with the advantage of accuracy and easy adjustment.
- Chain transmission places are equipped with cover and lubricating device to ensure the staff safety and protect the environment
- Stable performance
- Easy operation with touch screen
- Safe operation with protective device

Main Structures:

- Entrance plate link part
- Double Servo bottle division part
- Bottle division lane adjusting part
- Film feeding and cutting device
- Film-placing device
- Film wrapping belt device
- Output belt device
- Film wrapping device



Machine type	YS-ZB-6I	YS-ZB-6II	YS-ZB-6IIA	YS-ZB-6IIA2	YS-ZB-6IIB
Lane	Single	Double	Single	Double	Single
Packing method	Shrink warpping	Shrink warpping	Shrink warpping with paper pad	Shrink warpping with paper pad	Shrink warpping with paper tray
Machine size(mm)	L8349*W1670*H2508	L8349*W1670*H2508	L8349*W1670*H2508	L8349*W1670*H2508	L10149*W1670*H2508
Tunnel size(mm)	L4595*W1570*H2348	L4595*W1570*H2348	L4595*W1570*H2348	L4595*W1570*H2348	L4595*W1570*H2348
Working table height (customized)(mm)	1150~1250mm ±50	1150~1250mm ±50	1150~1250mm ±50	1150~1250mm ±50	1150~1250mm ±50
Packing speed	Max60pcs/minute	Max120pcs/minute	Max60pcs/minute	Max120pcs/minute	Max60pcs/minute
Air consumption	60L	60L	160L	160L	160L
Air pressure	4~6Kgf/cm2	4~6Kgf/cm2	4~6Kgf/cm2	4~6Kgf/cm2	4~6Kgf/cm2
Suitable packing material	Bottles (PET/Glass/HDPE) Cans (Aluminum/steel) Pots (PET/glass/HDPE)				
Object combination	2x2, 2x3, 3x4, and 4x6	2x2, 2x3, 3x4, and 4x6	2x2, 2x3, 3x4, and 4x6	2x2, 2x3, 3x4, and 4x6	2x2, 2x3, 3x4, and 4x6
Bottle dimension	0.25L~2L round or square	0.25L~2L round or square	0.25L~2L round or square	0.25L~2L round or square	0.25L~2L round or square
Film	Transparent film or pre-painted film	Transparent film or pre-painted film	Transparent film or pre-painted film	Transparent film or pre-painted film	Transparent film or pre-painted film

ZX-60T WRAP AROUND CASE PACKER



ZX-60T Wrap Around Case Packer adopts electrification control, with rational design, flexible and durable, high automation, easy operation, having manual and automatic function. This machine can match with palletiser, weighing device and conveyor line to realize high speed production line and unmanned operation flow, and can be widely used in all walks of life

Machine features:

- CE certification
- servo motors controls main part, which makes the machine in a quality of high stability
- PLC and touch screen control make easy and convenient operation of the machine
- Reliable Performance and wide application
- Can be connected with production line
- Mechanical adjustment: Only takes 20minutes to change the bottle height and diameter and 10minutes to change the way of packing combination
- Feeding bottle conveyor is driven by variable frequency motor, adopting plastic chain mesh conveyor; it can distribute products into columns through shake lane dividing device; At the position of feeding bottle, it has the inspection device for bottle full and lack, which can divide bottles effectively
- High degree of automation
- Easy operation with touch screen
- Safe operation with protective device
- High efficiency and energy saving

Basic information:

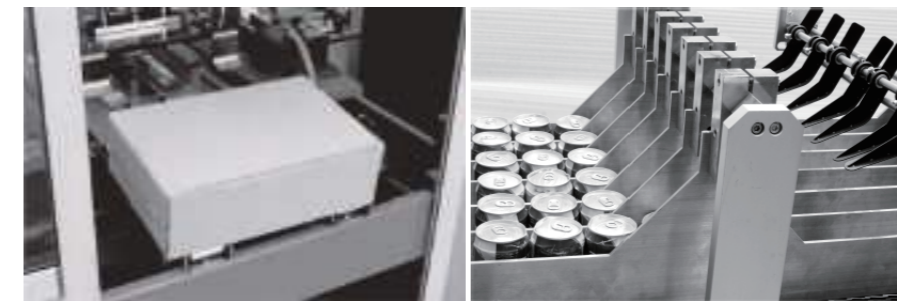
- | | |
|------------------------------|---|
| ● Power supply | 3 phase 380V 50HZ |
| ● Control power supply | 24V DC |
| ● Air supply | 160 L/min 0.6Mpa |
| ● Appearance size (L*W*H) | 12436×3726×2567 mm |
| ● Machine weight | 8000 KG |
| ● Packing speed | 60 cases/min |
| ● Carton loss rate | ≤0.5‰ |
| ● Percent of pass | ≥99.5% |
| ● Hot melt glue curing time | 1.5~2s |
| ● Arrangement | 3*4,4*6 etc (short side isconveyed forward, for example 4*6 group,4 bottles orientation is conveyed forward.) |
| ● Conditions of satisfaction | bottle diameter≥φ60mm
100mm≤height of carton formed≤320mm
200mm≤narrow width of carton formed≤300mm |
| ● Working table height | 1200±50mm (can be customized) |
| ● Main engine rated power | 15.88kW includes 4kW for hot glue system |
| ● Environment condition | relative humidity ≤90%, temperature 0℃-40℃ |
| ● Noise | under working environment,noise≤75dB(A) |

Main Structure:

- plate chain of feeding bottle
- feeding and dividing cardboard unit
- sending cardboard on ramp
- Dividing and driving bottle unit
- centre transition chain unit
- Medium servo folding flap unit
- output station unit

Working process:

original conveyor line driver ->join transition conveyor ->shaking bottle lane conveyor ->driving bottle group conveyor ->cardboard conveyed->group transit onto cardboard -> guide folding delivery ->folding cover and spraying glue conveyor ->adhesive forming conveyor



JXXD-260(Z) ROBOTIC CARTON DEPALLETIZER



The Bottle Palletizer Robot is for palletizing bulk round glass bottles (both new and returnable bottles) onto the multilayer pallets according to standard layer formats. This equipment is widely used for beer, beverage and condiment packaging lines (round glass bottle).

The robot design boasts high efficiency, stable operation, low noise and wide application (flexible design for various types and equipment layouts).

Specifications:

- For glass bottling line 40,000 BPH
- Capacity 190 layers per hour
- Max. Pallet dimensions 1100mm×1100mm×150mm(for plastic or wooden pallets)
- Max. Block Height 2400mm (including pallet,7-9 layers of cartons)
- Applicable Bottles Round glass bottle (diameter: φ58~80mm, height; 200~300mm)

Ambient Conditions:

- Ambient Temperature 5℃ - 45℃
- Ambient Humidity 50~65%RH

Working Conditions:

- Power Source 3×380 AC ±10%, 50HZ, can be customized
- Load Capacity about 28KW
- Control Voltage 24V DC
- Compressed Air filtered, no oil, no water, no impurity
- Working Pressure 0.5MPa~0.6MPa

Working Principle:

- Glass bottles transferred from the proceeding bottle table(6-15 lanes) to the palletizer(6 lanes as standard,depend on capacity) are sorted compactly via the friction device on both sides
- The well arranged bottles are conveyed to the layer -forming platform. Blocking device stop the later bottles from entering
- The bottle layer is transferred to gripping platform
- With the help of the rolling belt driven by the synchronized servo motor, the bottle layer moves into the robot palletizing clamber
- The palletizing clamber moves to the pallet position,puts the whole layer on the pallet sent from pallet conveyor
- An intermediate layer is put on top of the bottle layer
- The above steps are repeated until top frame is laid on the whole stack
- The bottle stacks are then packed separately in the horizontal and vertical strapping machines to be taken away by the folklift for the next process

Components:

- **Mechanical**
 - Bottle convey/adjust/prelayer system
 - Bottle infeed/convey/adjust platform
 - Layer formation platform
 - Transfer platform
 - Gripping platform(with rolling belt)
 - Main machine
 - Robot
 - Clamber(with rolling belt)
 - Pallet Conveyor
 - Intermediate layer and top frame pick- and- place handler
 - Pallet distribution (pallet magazine)
 - Strapping machines
 - Mechanical safety system
- **Electrics**
 - Electric control system
 - Control cabinet
 - Electric safety system

Robot spec:

- Manufacturer ABB,KUKA,YOUNGSUN
- Type articulated robot
- Control Axle 4
- Install Position Grounded
- Operating radius Max 3180mm
- Load Max 450KG
- Weight 2300KG
- Reposition precision ±0.05mm



MH-FG-2300AD ROTARY ARM STRETCH WRAPPER



MH-FG-2300AD with pre-stretch system and is suitable for heavy pallet connecting with packing line

Machine features:

- CE certification
- It is developed for packing line
- Suitable for heavy pallet
- The machine must work with conveyors
- Unmanned operation can be realized with automatic film connecting, film cutting and film welding function
- High wrapping speed
- Solid structure, stable operation and long service life
- PLC control and LCD text controller with easy using operation interface and reliable performance quality
- It can preset wrap-mode, parameter and film tension as needed
- Sensor detection for object height
- Black object is in need of a special sensor and special travel switch
- Inverter controls working speed
- Soft start and stop function marks machine operation in a stable condition
- High efficiency and energy saving
- Easy maintenance

Basic information:

● Power voltage	3P AC380V 50/60HZ 2.5KW
● Air pressure	0.4~0.6 MPa
● Rotary speed	0~20r/min (adjustable)
● Roller diameter	Φ1700 mm
● Wrapping height	H=2000mm (can be customized)
● Effective object length	400~1800mm
● Film	LLDPE film, width≤500mm
● Outer diameter	≤280mm
● Capacity weight	1500kg
● Machine size	L3000 xW2000 xH3100mm
● G.W/N.W	1200kg/1100kg
● PLC	Siemens or Omron
● Inverter	French Schneider
● Touch screen	Siemens
● Travel Switch	French Schneider
● Button Switch	French TE
● Connector	French TE
● Sensor	P+F
● Motor	MEIWA or SEW
● Noise	≤75DB
● Environment humidity	≤ 98%
● Temperature	-10~40°C

Working process:

- Put the object on the conveyor
- Transfer the object to the wrapping area
- Use the film-clamping device to clamp the film
- Start the machine and the rotary arm will wrap the object automatically
- When the wrapping is finished, the film will be cut automatically





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Bottle Conveyor



Bottle Conveyor is customized according to the workshop layout with the following specifications:

- For the round glass bottles
- Conveyor supporting with frame, cable trays, guide rails and flat top chains in stainless steel
- All curves are magnetic curves with special and anti-drop chains
- Stainless steel side wall thickness $\geq 2.5\text{mm}$, height $\geq 160\text{mm}$; supporting legs adjustable
- Supporting frame including 3 adjustable spindle in 304 corrosion resistant
- Premium reducer motors
- Stainless steel collection pan to ensure no liquid run off
- Protection covers for conveyor between bottle washer and filler. Variable frequency control for driving or combining lanes according to workshop layout to reduce pressure
- Proximity switches and PLC for control
- IP67 protection against water jets for proximity switches and photoelectricity sensors



Crate Conveyor is customized according to the layout with following specifications :

- For 3x4 plastic returnable crates, 4x6 combi and 3x4 cartons
- Main modules: drive station, idler station, chain conveying station, belt conveying station, and roller conveying station etc. Double tunnel in connection with packer/unpacker with movable driving plate for quick changeover
- Conveyor supporting with frame, cable trays, guide rails and flat top chains in stainless steel
- Anti-wearing and slip-proof conveyor belt for cartons
- SEW motor
- Stainless steel side wall thickness $\geq 2.5\text{mm}$, height $\geq 160\text{mm}$; supporting legs adjustable.
- Photoelectrical sensor and PLC for real time communication
- PLC for segmentation control
- Photoelectrical sensor for crate monitoring to control conveying pressure and link with machines
- IP67 protection against water jets for proximity switches and photoelectric sensors

