



***Our customers' success
is our success***



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Can Making Equipment

*If you need to increase productivity to stay competitive in can production,
the wide range of can production equipment from HSUAN ANN will help you achieve high
precision, automated production of a variety of simple or complex cans.
Here at HSUAN ANN, we don't wait for the technology of the future... we make it.*



Content & Index

COMPREHENSIVE TECHNICAL SERVICE FOR WHOLE PLANT EQUIPMENT

Through continuous research and development, HSUAN ANN can provide you with the latest can production technology, the best equipment and setup for your can production requirements. Our outstanding engineering capability provides the customer with total technical service including: project analysis,

planning, equipment design and manufacturing, installation, start-up, and operation training; all of which leads to a system with the productivity you demand. All our machines are backed by HSUAN ANN's performance guarantee, and our reputation for premium can production technology.



Three-piece Can Equipment (for Small Cans)

Machineinery	Model	Page
Automatic Feeding Machine / Automatic Gang Slitter	SJA-202 / SJA-302	04
Automatic Blank Feed Robot	SJA-204	05 . 06
Automatic Expanding Spin-flanging Machine	SJA-616	07
Automatic Expanding Necking Spin-flanging Machine	SJA-617	08
Automatic Necking Spin-flanging Beading Machine	SJA-764A	09 . 10
Automatic Double Seamer	SJA-806	11
Automatic Vertical Type Can Tester	SJA-440	12
Can Palletizer	SJA-1006	13
Automatic Strapping Machine	SJC-6001	14
Automatic Film Stretch Packaging Machine	SJC-6002	14
Can Conveyer System		15

Three-piece Can Equipment (for Big Cans)

Machineinery	Model	Page
Automatic Spin Flanging Beading Machine	SJA-763K Series	16
Automatic Double Seamer	SJA-801	17
Automatic Vertical Type Can Tester	SJA-440L	18

DRD Two Pieces Can Production Line

Machineinery	Model	Page
Multi-die CNC Sheet Feed Press	SJA-6021	19 . 20
Multi-die Transfer Press	SJA-6121	19 . 20

CNC Single Die Sheet Feed Press

Machineinery	Model	Page
CNC Single Die Sheet Feed Press	SJA-5017	21 . 22



ISO 9001 Registered Company

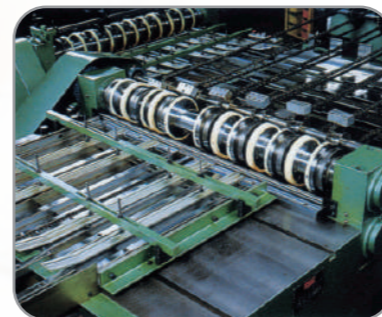
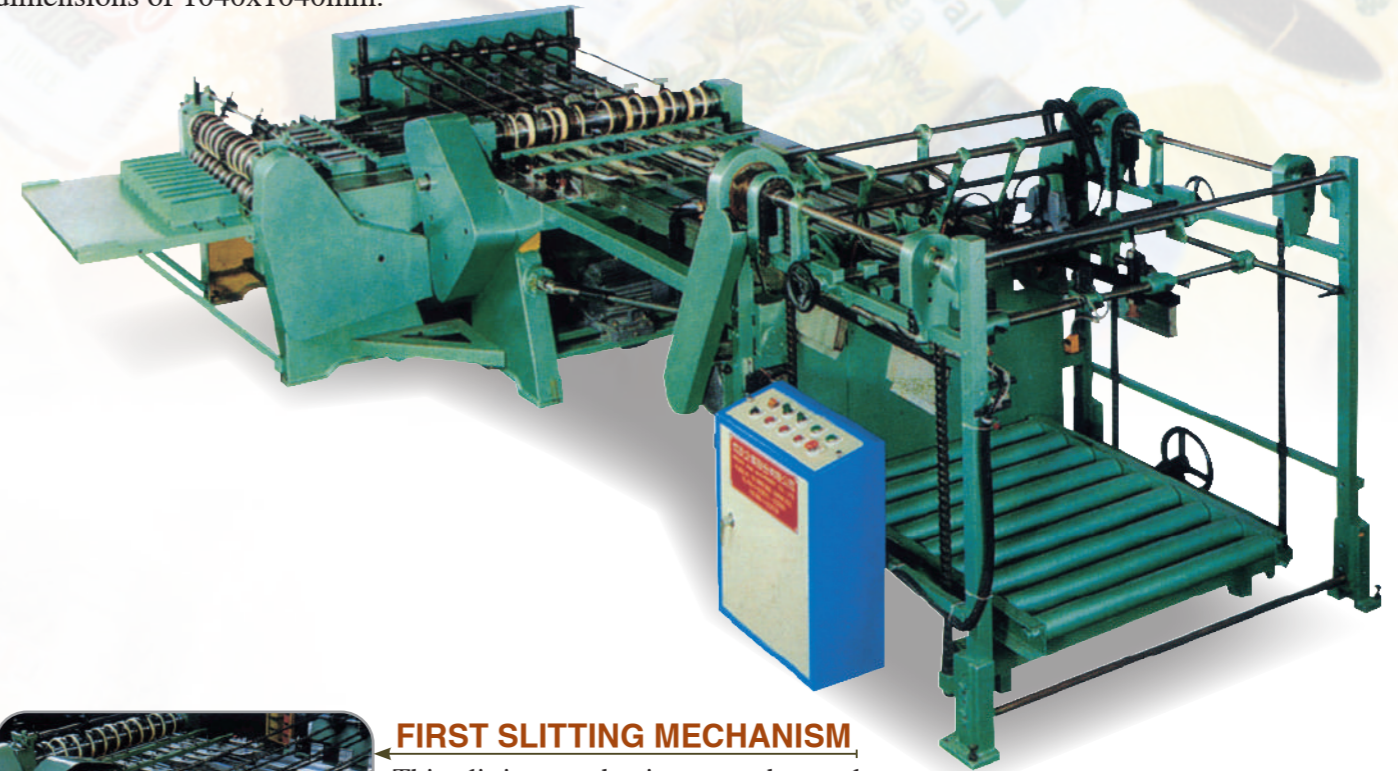
Certificate Number 1435

SJA-202 / SJA-302

Automatic Feeding Machine Automatic Gang Slitter

FEATURES:

The system consists of an automatic feeding machine and can slitter. It employs circular knives for cutting steel sheet. The unit offers simplified construction and ease of operation. It accepts maximum sheet dimensions of 1040x1040mm.



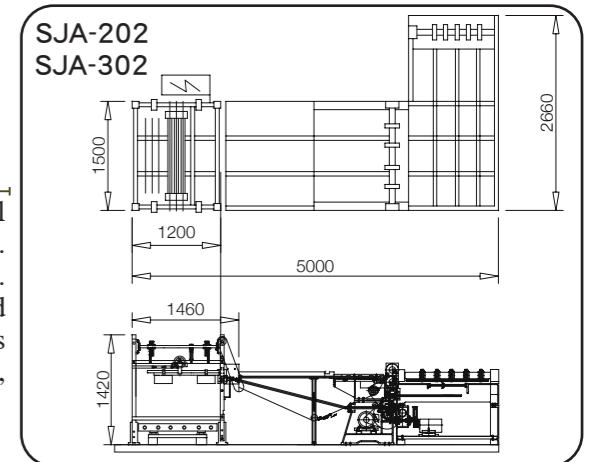
FIRST SLITTING MECHANISM

This slitting mechanism cuts the steel sheets to the desired size for can bodies. Numbers of knives are available to meet variations in can type. Automatic positioning of steel sheets ensures high accuracy of cut.



SECOND CROSS CUTTING MECHANISM

This cutting mechanism cuts the steel sheets to the desired size of can height. The knife arbor is fitted with T.C.T. circular knives. The spring loaded pressure device is fitted with bearings for the positioning of steel sheets, ensuring high accuracy of cuts.



SPECIFICATIONS:

Model	Unit	SJA-202	SJA-301	SJA-302
Max sheet dimesion	mm	1168x1168	1040x1040	1040x1040
Min sheet dimesion	mm	450x450	650x650	650x650
Max sheet thickness	mm	-----	0.4	0.4
Capacity per min.	sheets/min	15-30	15-28	15-28
Horsepower required	HP	1HP	1HP	3HP
Floor space (LxWxH)	mm	1520x1275x1420	2400x1700x1200	34400x2730x1260
Net weight (approx.)	kgs	1200	1000	2100

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WE CAN



Automatic Blank Feed Robot

FEATURES:

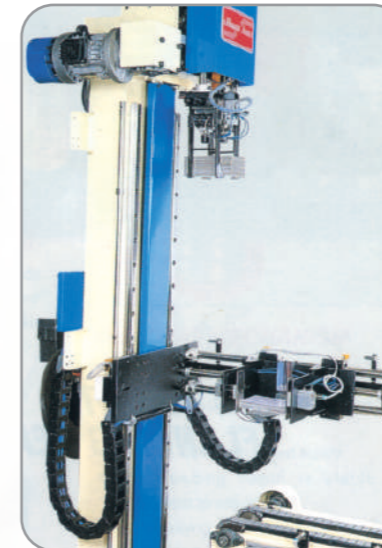
- Employed with a high automation robot for automatic picking up of blanks, and out feed to the welding machine.
- The machine uses an advanced PLC controller, and all machine functions are clearly displayed on a screen.
- Self diagnostic feature provides maximum convenience for troubleshooting.
- Fully automatic operation. Easy to use.
- The elevator traverses on high precision linear motion guides, ensuring extremely stable and smooth motions.



ADVANCED PLC CONTROLLER WITH SCREEN DISPLAY

The machine uses a high performance PLC controller, giving maximum operation convenience. Its self diagnostic function makes troubleshooting quick and easy. All machine functions can be displayed on the control screen.

- Automatic operation display.
- Manual operation display.
- Trouble and abnormal condition display.
- Number of collected blanks display.



BLANK OUTFEED ROBOT

After being collected, the blanks are raised by the elevator to the bottom of the robot. The robot automatically picks up the blanks and feeds them to the welding machine. The slideways of the elevator are fitted with precision linear motion guides for extremely stable and smooth motions.



BLANK COLLECTING MECHANISM

The slitted-to-size blanks are delivered to the blank collector. Tappers keep the blanks slapped neatly. The number of blanks to be stacked can be preset as needed. The blanks are separated by spacers, and delivered to the elevator separated from odd and even numbers of the spaced sheet stack.

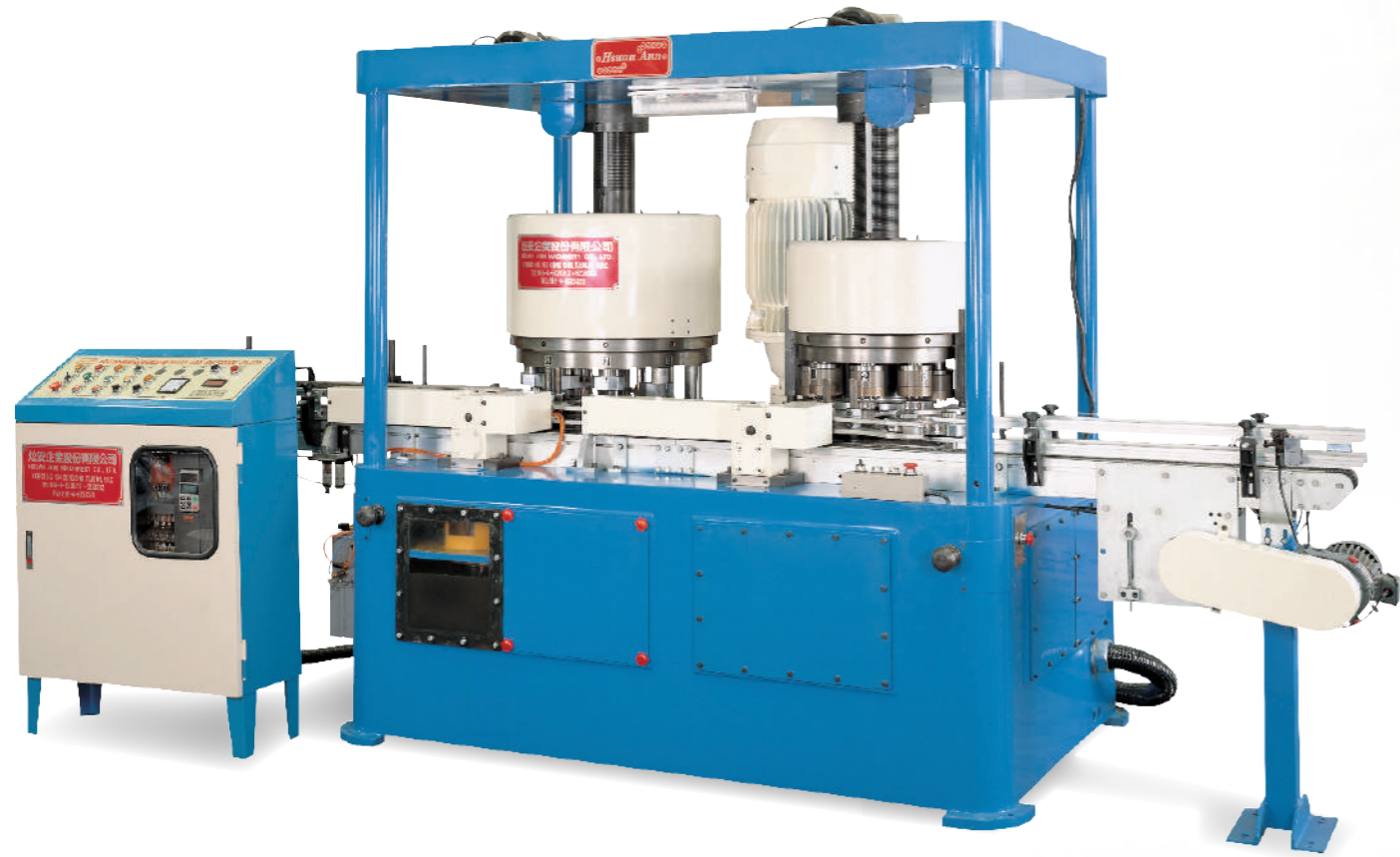
SPECIFICATIONS:

Model	Unit	SJA-204	SJA-204A	SJA-204B
Range of can diameter		202D-307D	202D-307D	202D-307D
Range of can height	mm	76-240	76-240	76-240
Range of sheet thickness	mm	0.15-0.3	0.15-0.3	0.15-0.3
Capacity per min	cpm	700	700	700
Horsepower required	HP	5	5	5
Floor space	mm	5250x1435x2120	5500x2950x2200	7270x980x200
Net weight (approx.)	kgs	1250	1450	1400

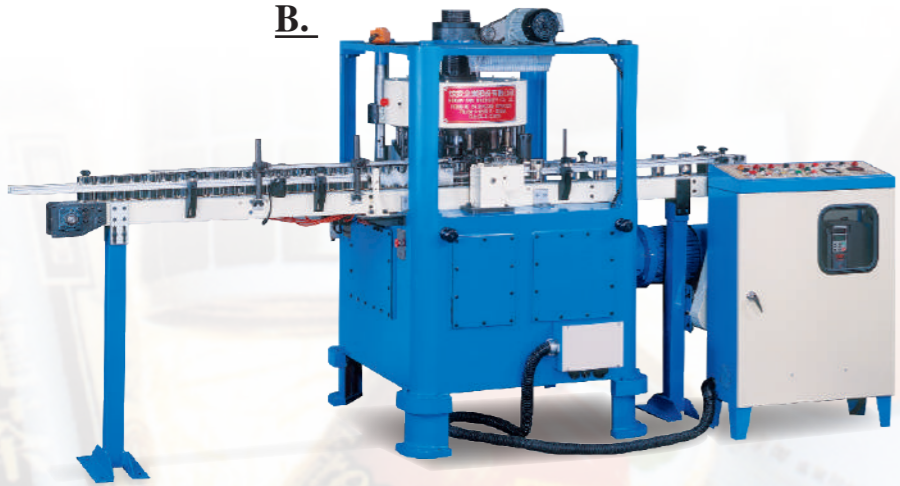
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SJA-616

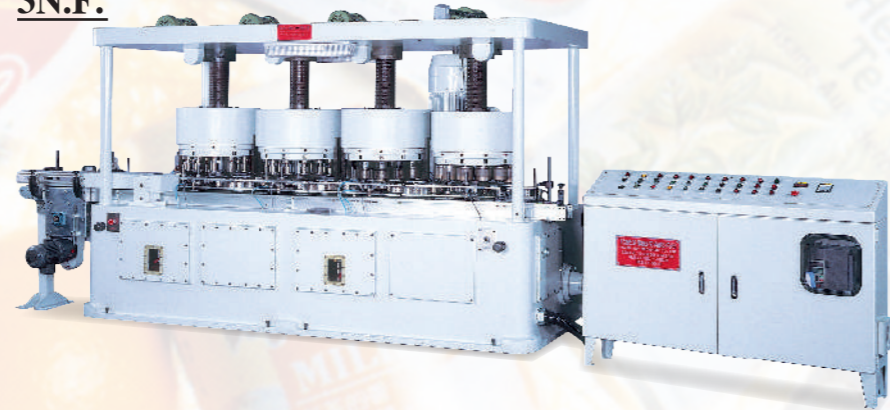
Automatic Expanding Spin-flanging Machine



B.



3N.F.



SJA-617

Automatic Expanding Necking Spin-flanging Machine



F.B.

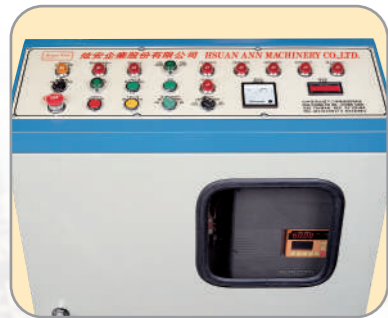
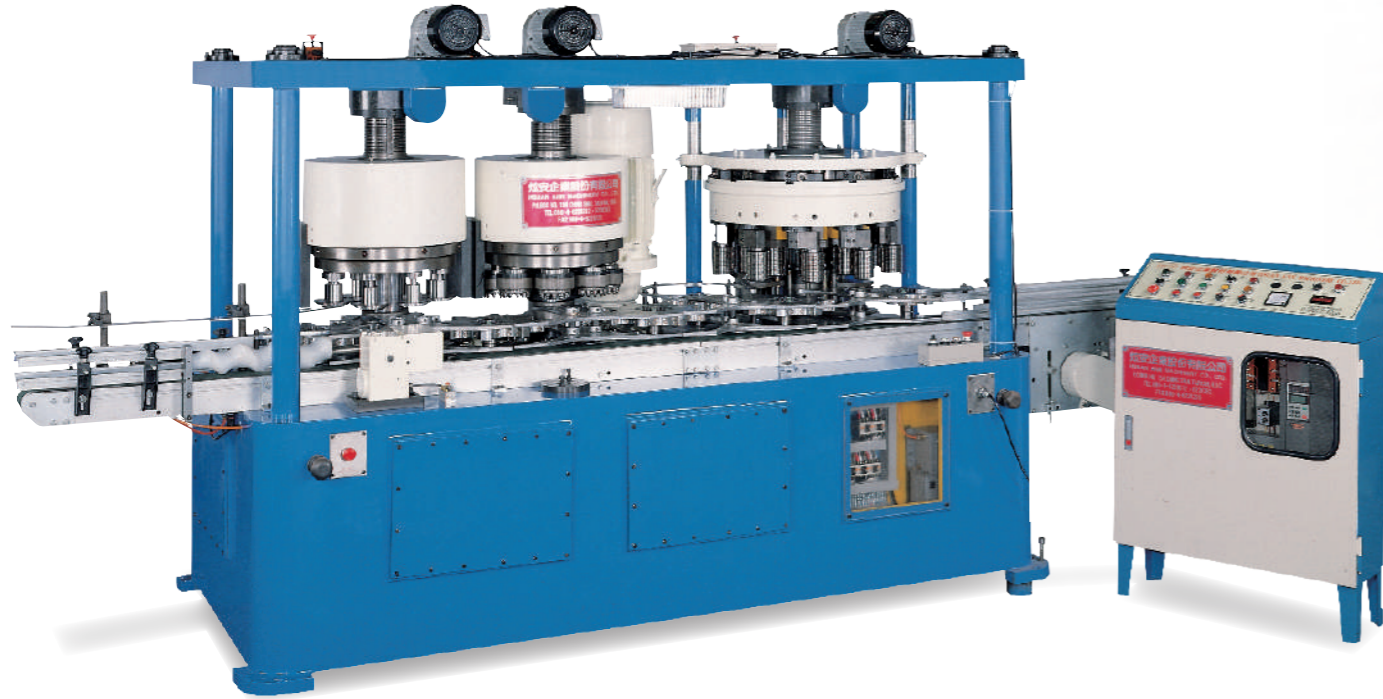


N.F.



SJA-764A

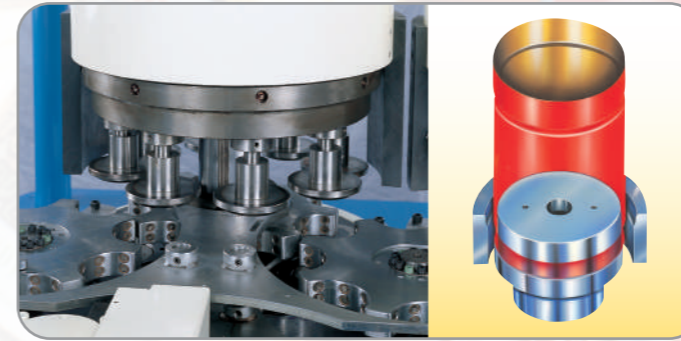
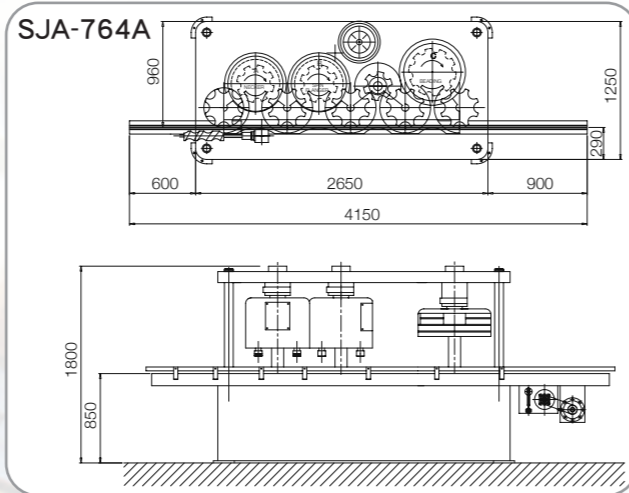
Automatic Necking Spin-flanging Beading Machine



PLC CONTROLLER

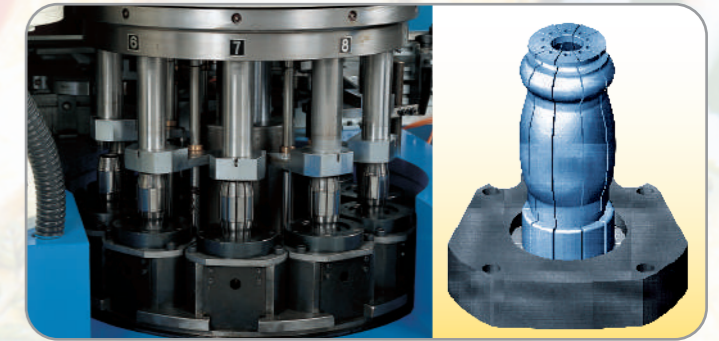
The machine employs an imported Japanese high performance PLC controller providing maximum operation convenience. The PLC controller offers the following functions:

- Machine speed display.
- Can counter
- Warning functions- Damaged Inventor, jammed conveyor, tripped clutch.



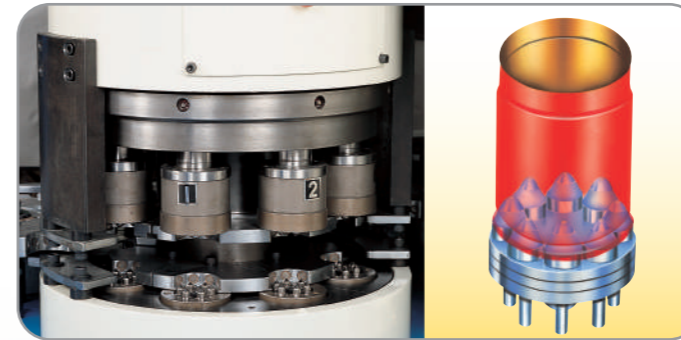
NECKING MECHANISM

The mechanism is provided with a photoelectric sensor for detecting can feeding. If the cans jam, the machine stops automatically.



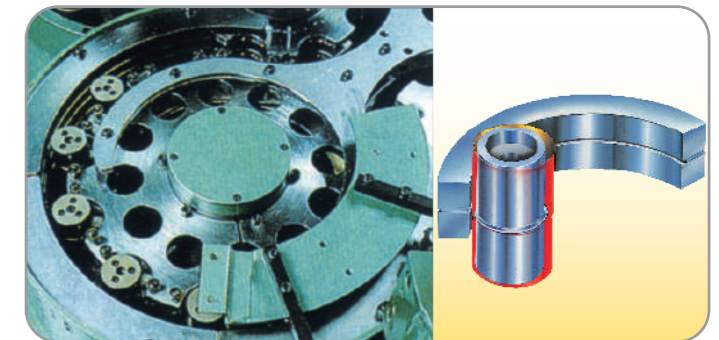
EXPANDING MECHANISM

- Patented expanding mechanism produces accurate can shapes at a high production speed.
- The expanding molds are precision manufactured from high alloy steel, specially heat treated for maximum wear resistance. Mold changing is fast and convenient.
- Suitable for any can types with 15% of expanding percentage.
- Exclusive lubrication system ensures long service life of mold without can contamination from oil leakage.



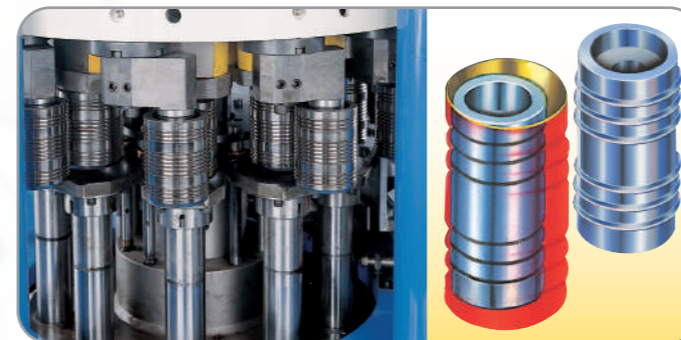
SPIN-FLANGING MECHANISM

Satellite gear system for spin flanging molds provides maximum wear resistance and accurate dimension control. Applicable for any sheet.



CAN BODY SEPARATING MECHANISM

This can body separating mechanism separates the can bodies into two.



BEADING MACHANISM (Patented new construction)

- Double roll design on inner and outer molds.
- Can size can be changed easily.
- Can beading depth is stable and convenient to adjust.
- No scratching or wrinkles on empty cans.
- It is applicable for general sheets, and also ideal for beading thin and hard materials.



STRAIGHT LINE CAN INFEEED AND OUTFEED

It is designed with advanced straight line infeed and outfeed path, which permits for flexible motion control for can expanding or flanging. It greatly upgrades working efficiency and reduces wear on molds.

SPECIFICATIONS:

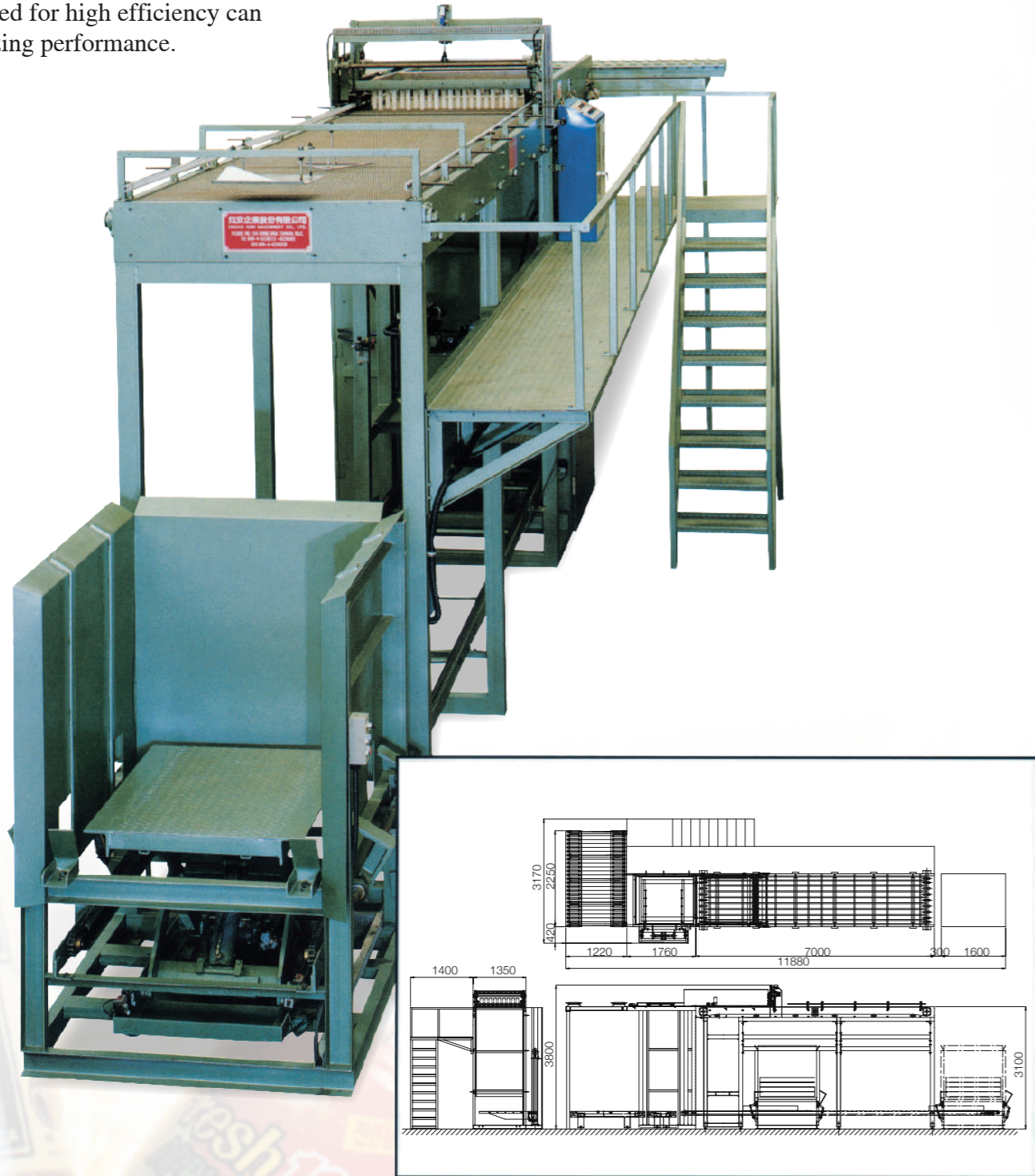
Model	Unit	SJA-764H	SJA-764A	SJA-764SA
Head		12H-12H-15H	8H-8H-10H	4H-4H-5H
Range of can diameter		202D-401D	202D-401D	202D-401D
Range of can height	mm	90-190	90-190	90-190
Entrance capacity per min	cpm	650-900	400-600	200-300
Horsepower required	HP	20	15	15
Floor space	mm	4150x2080x1800	4150x1330x1800	4150x1330x1800
Feed height	mm	850	850	850
Discharge height	mm	850	850	850
Net weight (approx.)	kgs	8500	7200	6500

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Can Palletizer

FEATURES:

Designed for high efficiency can palletizing performance.



SPECIFICATIONS:

Model	Unit	SJA-1006
Range of can diameter		202-603D
Range of can height	mm	50-210
Capacity per min	cpm	100-700 (depends on the can shape)
Horsepower required	HP	4
Floor space (LxWxH)	mm	9980x3170x3800
Feed height	mm	3100
Discharge height	mm	500
Net weight (approx.)	kgs	2600

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Automatic Strapping Machine Automatic Film Stretch Packaging Machine

FEATURES:

Combines film packaging and strapping operations in one system. Fast, Efficient, Convenient Operation.



SPECIFICATIONS:

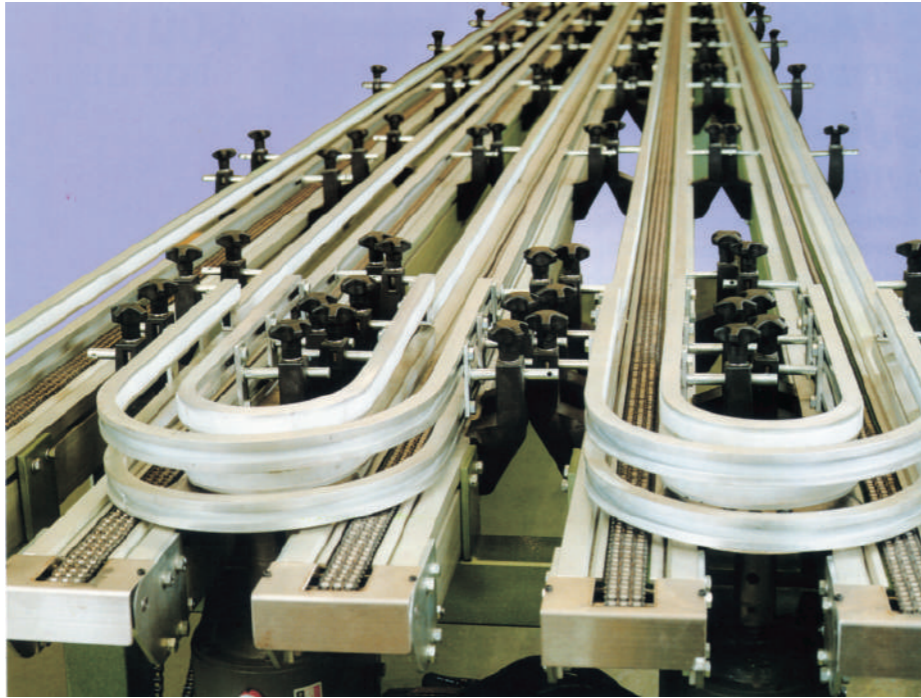
Model	Unit	SJC-6001	SJC-6002
Max. packing height	mm	2450	2300
Min. packing weight	mm	1700	2000 (corner to corner)
Strapping capacity		5 sec/revolution	6 revolutions/min
Entrance height	mm	500	500
Exit height	mm	500	500
Horsepower required	HP	3	1 1/8
Floor space (LxWxH)	mm	3950x635x3100	2200x3300x3660
Net weight (approx.)	kgs	550	750

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Can Conveyor System

FEATURES:

Based on extensive engineering experience, HSUAN ANN plans, designs, and engineers a wide variety of conveyor systems to meet customers' specific requirements. HSUAN ANN's can conveyor systems are constructed of high quality parts to ensure smooth can flow and long service life. The conveyor systems are easy to install and dismantle, and flexible assembly saves valuable space. Every system provides rapid transmission speed and maximum stability.



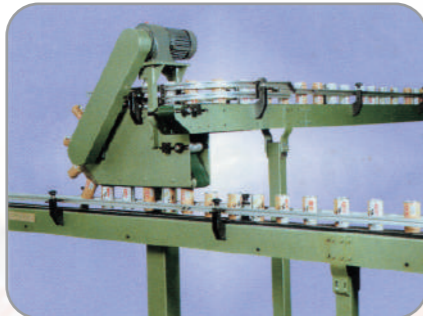
CAN COOLING CONVEYER

- The high temperature of the welded can bodies is cooled on this cooling conveyer.
- Both sides of the can path are coated with teflon for maximum wear resistance, and to prevent scratching during can body transmission.

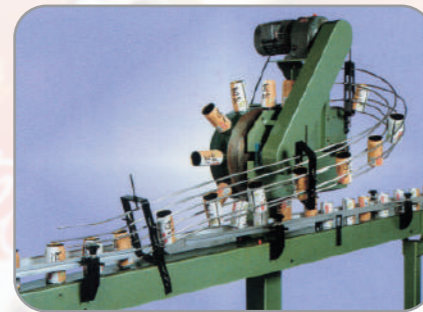


CAN ELEVATOR

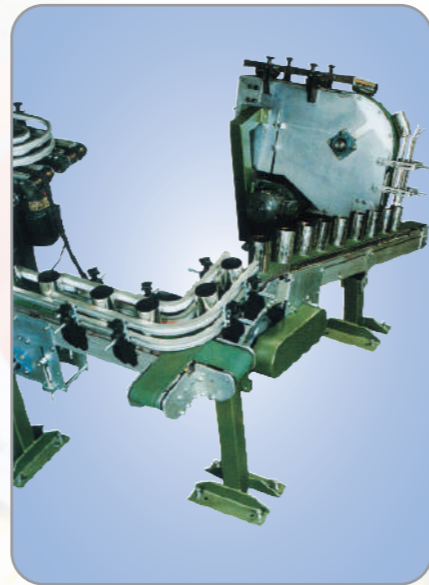
- This can elevator delivers the cans to the palletizing machine.
- Choice of 2 or 3 magnetic wheels to meet working requirements.



CAN TURN-OVER CONVEYER



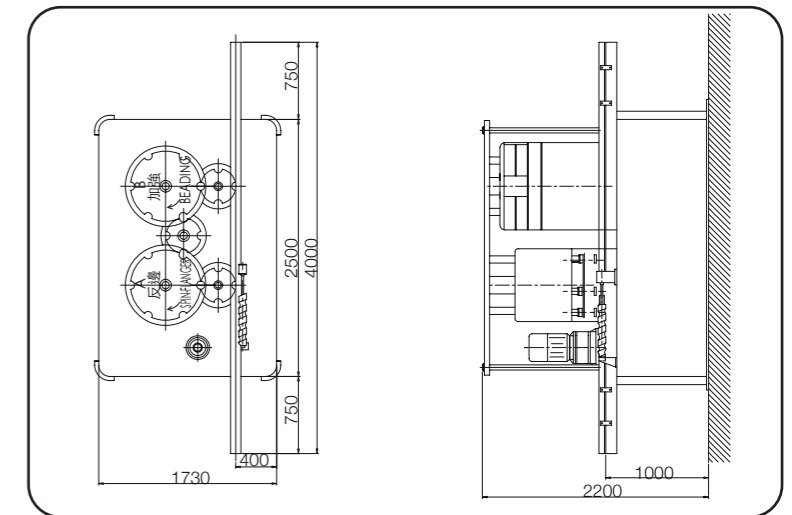
Special design of many kinds of turn-over conveyers. These conveyers turn the can bodies upside down for various operations.



CAN UPRIGHTING CONVEYER

After the can bodies have been welded, they are turned upright and delivered by this conveyor. The conveyor is designed with a tilt.

Automatic Spin Flanging Beading Machine



SPECIFICATIONS:

Model	Unit	SJA-763F	SJA-763K	SJA-763H
Head		4H~4H	6H~6H	8H~8H
Range of can diameter		401D~715D	401D~715D	401D~603D
Range of can height	mm	120~270	120~270	120~270
Capacity per min	cpm	(H)Below 160mm/150; (H)Over 160mm/130	(H)Below 160mm/225; (H)Over 160mm/190	(H)Below 160mm/300; (H)Over 160mm/260
Horsepower required	HP	15HP	15HP	15HP
Floor space	mm	4000x1730x2200	4000x1730x2200	4000x1730x2200
Feed height	mm	1000	1000	1000
Discharge height	mm	1000	1000	1000
Net weight	kgs	12000	12500	13000

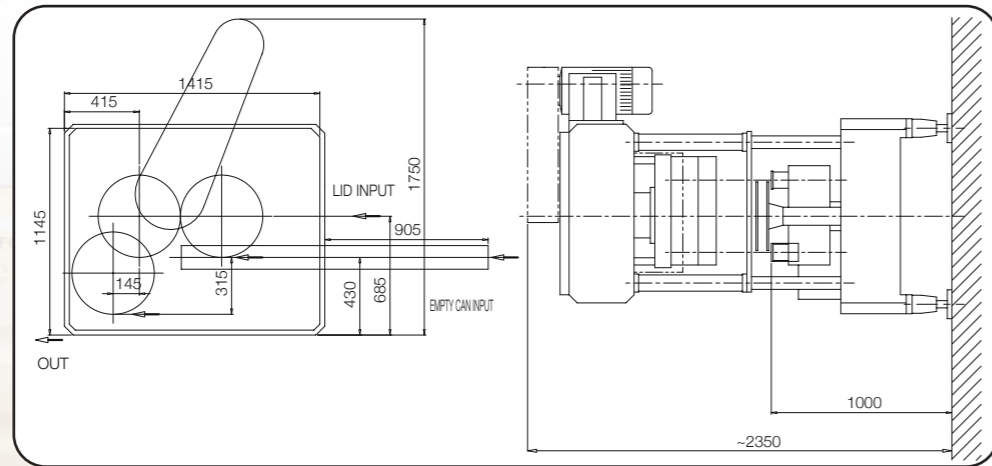
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SJA-801

Automatic Double Seamer

FEATURES:

The Automatic Double Seamer is designed to seam can bodies and caps. The can body infeed and separation, and can cap infeed, is automatically performed. The seaming operations are quickly and securely accomplished by the consecutive roll seaming operations. This series of seamer is especially ideal for big cans.



SPECIFICATIONS:

Model	Unit	SJA-801S	SJA-801A
Head		3H	6H
Range of can diameter		401~715D	401~715D
Range of can height	mm	100~225	100~225
Capacity per min	cpm	80~100	15~200
Horsepower required	HP	7 1/2	7 1/2
Floor space (LxWxH)	mm	2320x1750x2350	2320x1750x2350
Feed height	mm	1000	1000
Discharge height	mm	1000	1000
Net weight (approx)	kgs	3150	3400

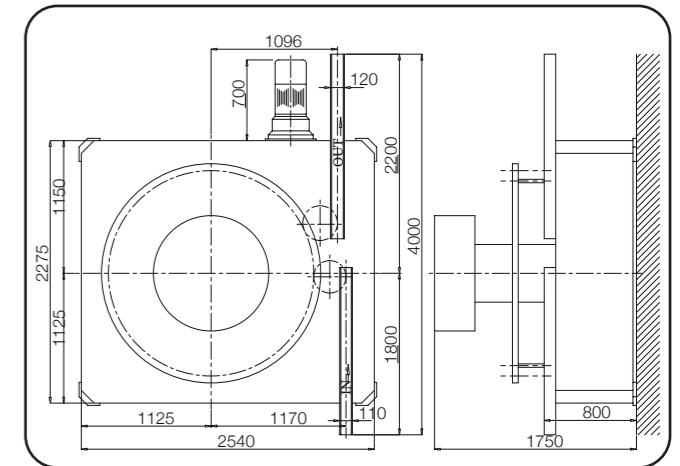
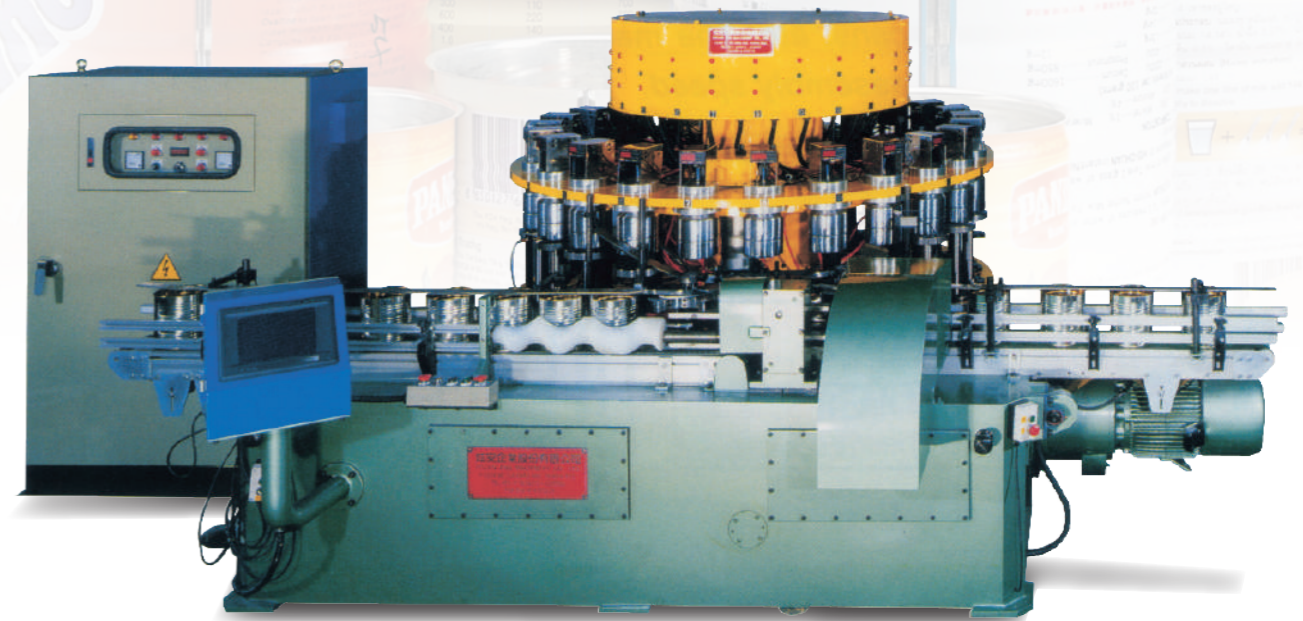
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SJA-440L

Automatic Vertical Type Can Tester

FEATURES:

The machine tests cans for leaks by filling them with air. Leaking cans are ejected from the machine automatically. The machine is suited for testing tin cans.



SPECIFICATIONS:

Model	Unit	SJA-440L
Head		24H
Range of can diameter		401~603D
Range of can height	mm	100~250
Capacity per min	cpm	180~200
Horsepower required	HP	15
Floor space (LxWxH)	mm	400x2700x1900
Feed height	mm	800
Discharge height	mm	800
Net weight (approx)	kgs	7500

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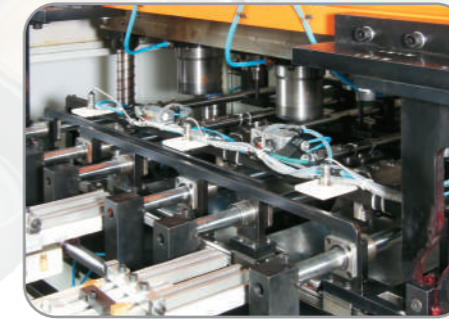
DRD Two Pieces Can Production Line

Multi-die CNC Sheet Feed Press
Multi-die Transfer Press



CONNECTION BETWEEN DRAW AND REDRAW

Air conveyor connected between draw and redraw press. Prevent products from being scratched.



TRANSFER ROBOT

Driven by servomotor along with mechanism cam. Position fix accurately. Employ with proximity sensor to detect can position.

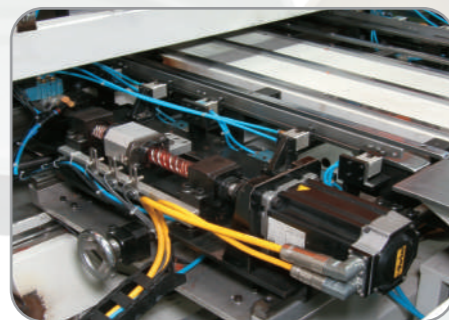


SEPARATED OUTPUT FOR FINISHED PRODUCT AND SCRAP.



SHEET POSITIONING SYSTEM

Driven by cylinder, vacuum suckers and proximity sensor, sheet fixed accurately and efficiently.



SHEET MOVEMENT MECHANISM

Driven by servomotor, sheet position assures high accuracy and stability.



DRAW PRESS WITH MULTI-DIE

SPECIFICATIONS:

Model	Unit	SJA-6021 / SJA-6121
Force	ton	150
Stroke Depth	mm	180
Mold open	mm	750
Capacity	S.P.M	100~120
Max. sizes of sheet	mm	1000x1000
Min. sizes of sheet	mm	800x800

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CNC Single Die Sheet Feed Press

FEATURES:

This series of press is designed for aluminum and tin plate materials in rectangular or zig-zag shapes. They are used for making can caps, for twist off caps and DRD cans. The control system employs a high-speed computer to achieve high positioning accuracy and reduce material cost.

SPECIFICATIONS:

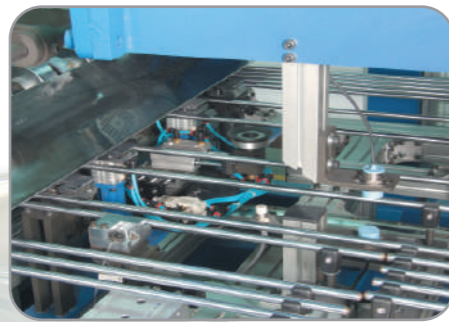
Model	Unit	SJA-5017
Force	ton	30
Stroke	mm	160
Stroke per min	epm	100~120
Mold open height	mm	660
Max. sizes of sheet	mm	1000x1000
Min. sizes of sheet	mm	750x750

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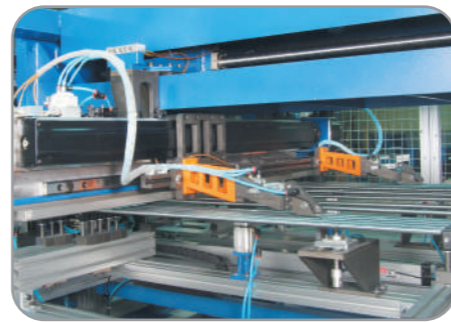
STEEL SHEET SUCTION DEVICE

The sheet infeeding device employs a vacuum suction system for picking up the steel sheets. The vacuum suction system is driven by an imported Japanese high performance vacuum motor, providing an extremely powerful suction force.



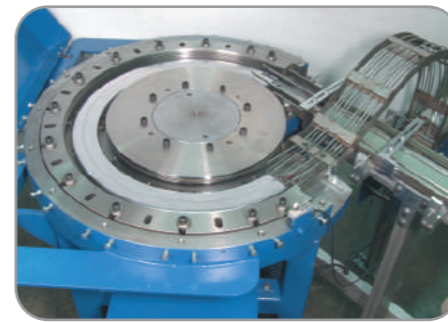
SHEET POSITIONING SYSTEM

The sheet positioning is detected by the precision sensor combined with system motion to quickly complete positioning once the piece is fed to the table. If the sheet is out of position, the warning lamp flashes to alert the operator.



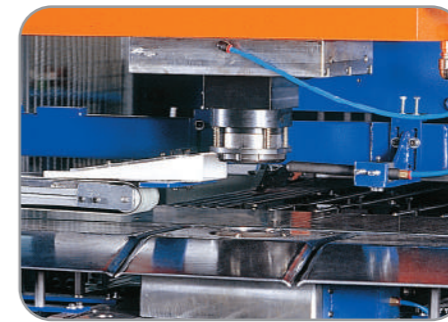
SHEET FEEDING SYSTEM

Driven by servomotor combined with the use of precision ball screws, the sheet feeding system assures high positioning accuracy and stability. This also makes the machine ideal for printed caps. If a printing positioning error occurs, simply adjust the position to suit the cap position from the computer. There is no need for adjustment of mechanical parts.



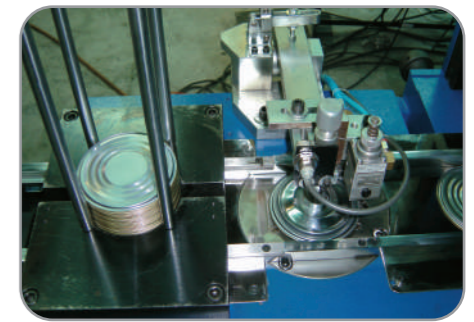
CURLER

The mold on the curler is heat-treated and precision ground. Dynamically balanced turret assures the best possible product accuracy. Two sensors provided at the curler infeed and outfeed ends to detect the cap feeding condition. If cap stacking occurs, the machine stops automatically. The curler running speed is variable to meet the punching speed, controlled by frequency inverter.



DURABLE DIES

The tungsten carbide tipped dies are manufactured from SKD-II material for maximum durability and long service life. Dies are precision machined by CNC lathe, milling machine and grinding machine, and heat treated to ensure superior quality and wear resistance. When caps become stuck in the dies, the machine stops automatically for safety protection.



AUTOMATIC LINING-DRYING MACHINE

1. Employed automatic feeding system.
2. Circulated hot air for fast drying performance.
3. The new generation conveyor mechanism avoids ends to be scratched.