

# ABLPACK

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## MACHINE & MOLD

Series of automatic aluminum foil containers making machines can be customized

MADE *in* 信仰志造  
FAITH



ABL MACHINE & MOLD (SHANGHAI) CO.,LTD.

# Grade-one hundred thou

ABL intelligent



sand for clean workshop

production line



# Company Profile

## ABL MACHINE & MOLD INTRODUCTION

"Like many people, we are often disappointed with products that don't work. As an aluminum foil production line manufacturer, our task is to solve various problems in aluminum foil container production through continuous improvement and innovation.

In 2002, Mr. Yang Wen, the director of mold research and development of ABL Machine & Mold, worked as an ordinary aluminum foil production line operator, he often encountered equipment failures and unstable molds in the production line, which greatly delayed the production schedule. In order to better production and work, he couldn't help thinking about how to reduce mechanical failures and improve mold stability.

He started his own research and development work. After many years of experiments, he finally successfully developed China's first automatic stacking machine for aluminum foil container production line.

Now, ABL has bloomed into a technology innovation company, which consists of 67 mechanical engineers and marketing team. Its products have had a great success in the markets of Saudi Arabia, India, Kuwait, united Arab emirates, Egypt, Bangladesh, the United States, Italy, Portugal, Chile, Ireland, Colombia, Russia and other countries. But we're still making progress. At the core of all this is our growing team of engineers and marketers and their constant flow of ideas.

The research, design and development of ABL's technology derived from the birthplace of aluminum foil container technology in Europe and Switzerland. Our engineers and sales team are constantly working on technology to simplify the production of aluminum foil containers.



## NUMBERS

**20**  
Years of Experience

Established in 2002, with more than 20 years' experience, ABL Machine&mould has emerged as the leader in supplying equipment for the aluminium container industry. the company specializes in the design and manufacture of complete lines and mould for production of aluminum foil containers.

**5**  
Continents

**40**  
Countries

Customizable molds are sold to more than 40 countries

**1,000**  
Moulds

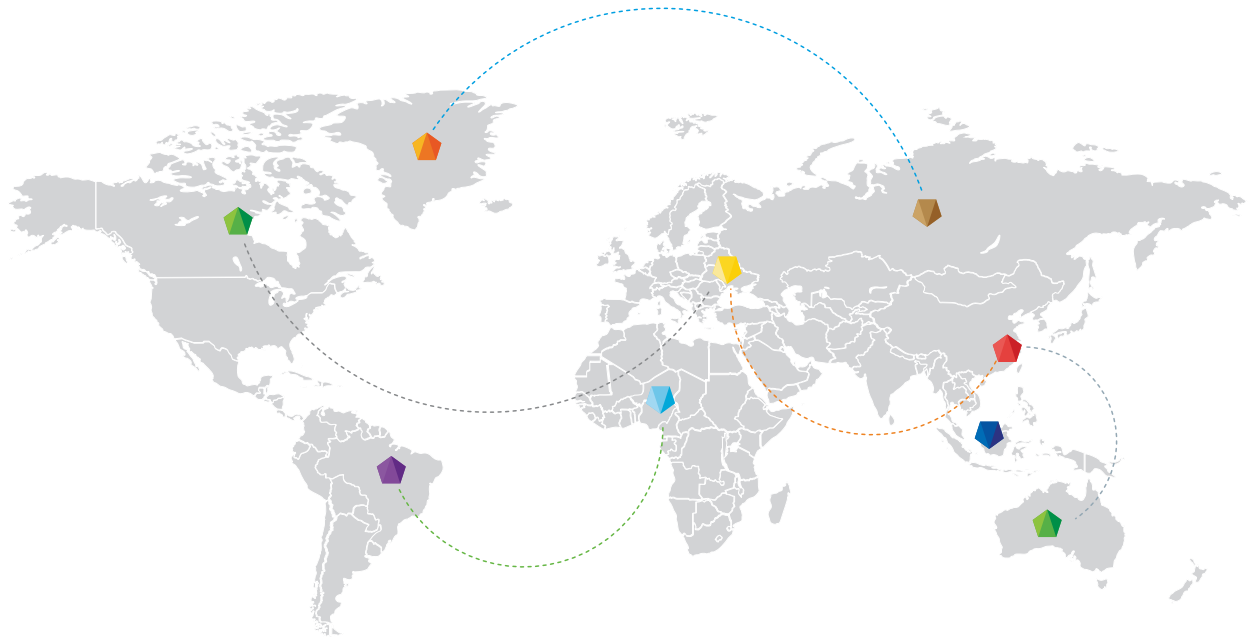
**30**  
Press Lines

Product equipment is successfully working in all five Continents and more than 40 countries.

# Corporate Culture

Do our best to make every product. Details determine success or failure!

Believe the power of the brand and produce top-ranking products.



## Company Mission

To build a service-oriented and development oriented factory and become the benchmark of the mechanical mold production line industry



## Company Values

Honesty, innovation, altruism, gratitude.



## Management Philosophy

Having what others don't have, being better than what others have.  
Treat each customer as the first customer.



# ONE STOP SOLUTION

**THE LEVEL OF SPECIALIZATION LEADS THE INDUSTRY**

Quality inspection of raw materials, semi-finished products, finished products, production lines, packaging and other processes shall be carried out in strict accordance with ISO9001 quality management system. Equipped with complete precision testing equipment, to provide customers with high-quality products and services.



## OUR SERVICE CONTENTS

Our company has mold R & D, stamping machinery and equipment, and aluminum foil production plant. Relying on our advanced mold technology and engineering manufacturing strength, we will wholeheartedly provide you with "one-stop" service, from mold development and manufacturing to stamping equipment design, and then to production line commissioning and assembly. Our comprehensive supporting services are only for your needs.



### Long term Test

ABL Machine&mould works together with customersto satisfy special requests for long termtests conducted under productionconditions.



### Tele-assistance

ABL Machine&mould supplies modems to allowremote fault diagnosis and support.Thisallows electronic problems



### Assistance & Service

The company is able to provide promptservice and assistance when requested byour clients.

## DEA

### DEA Test

ABL Machine&mould technical department is able tomake a control using the machine DEA (Dimensional Control).

In fact,the dimensional control on all highlycritical pieces through the DEA is a plus ofQuality Tools.

The measuring machine(DEA)is of the CMMtype(coordinate measuring machine)toensure the effectiveness and precision ofthe control.



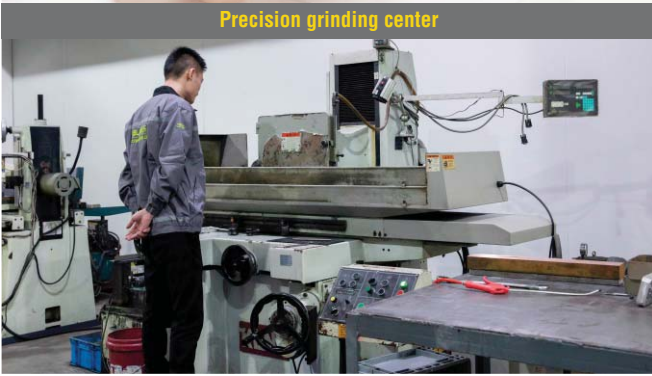
### Research andDevelopment

Ongoing research and development ensures that the state-of-the-art equipment from ABL Machine&mould will remain at the cutting edgeof technology for years to come.



## R&D design

Molds  
Aluminum Container Production Line series  
Scrap Press Decoiler Stacker series



Precision grinding center



Automatic lathe machining center



CNC planer machining center



Milling planer machining center





Slow wire processing



Wire cutting workshop



Moulds Semi-Finished Products Area



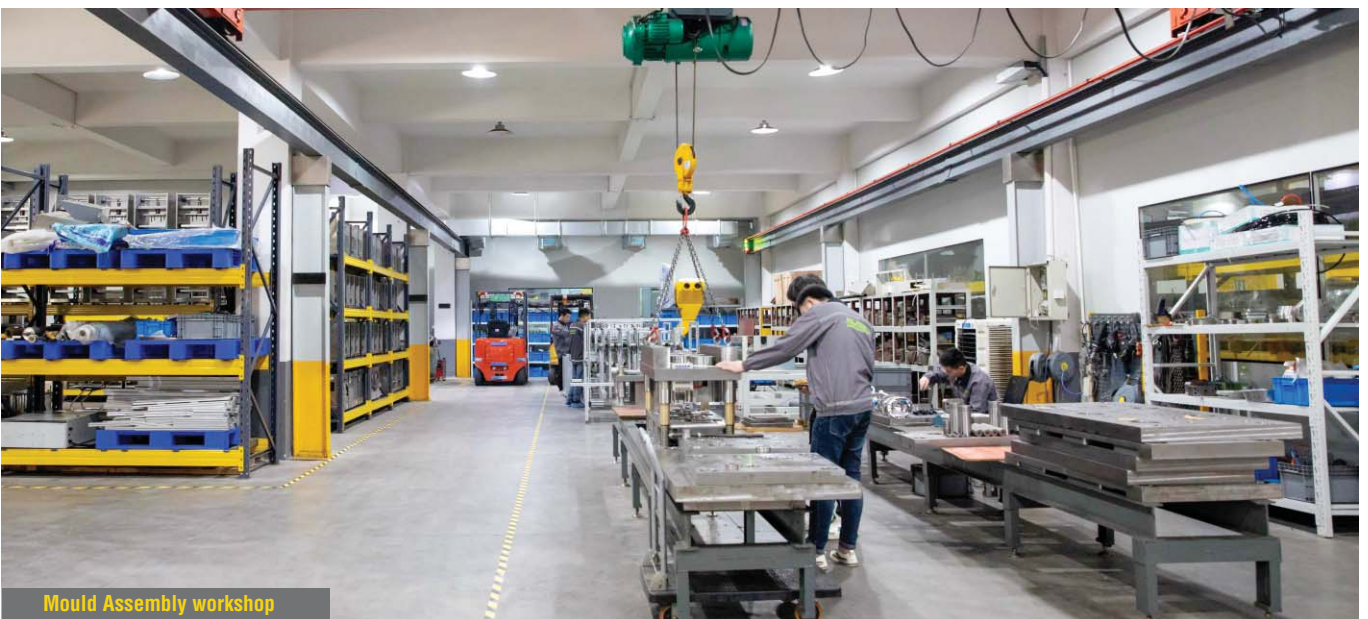
Moulds Semi-Finished Products Area



Moulds finished product area



Stacker assembly center



Mould Assembly workshop

Press Assembly workshop



Waste Recovery System



Production line Commissioning Area



Stacker finished product area



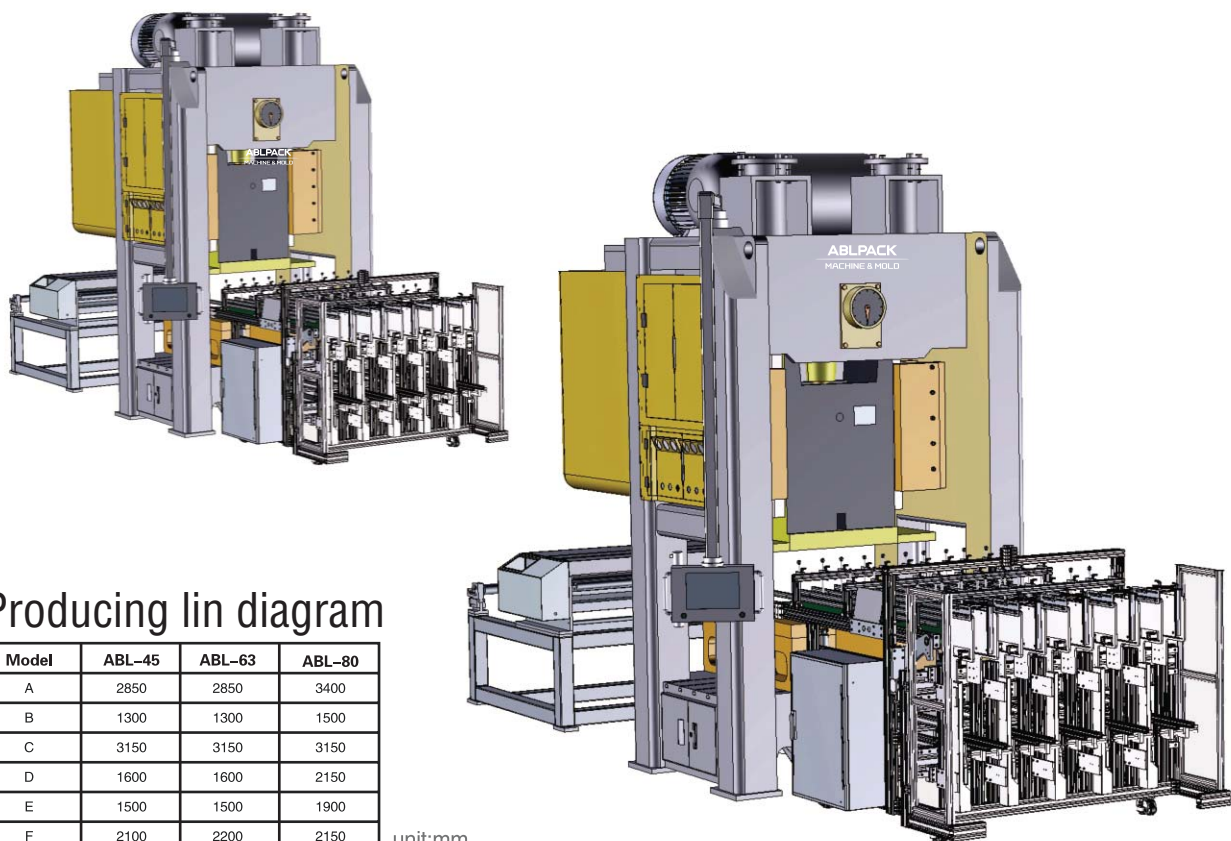
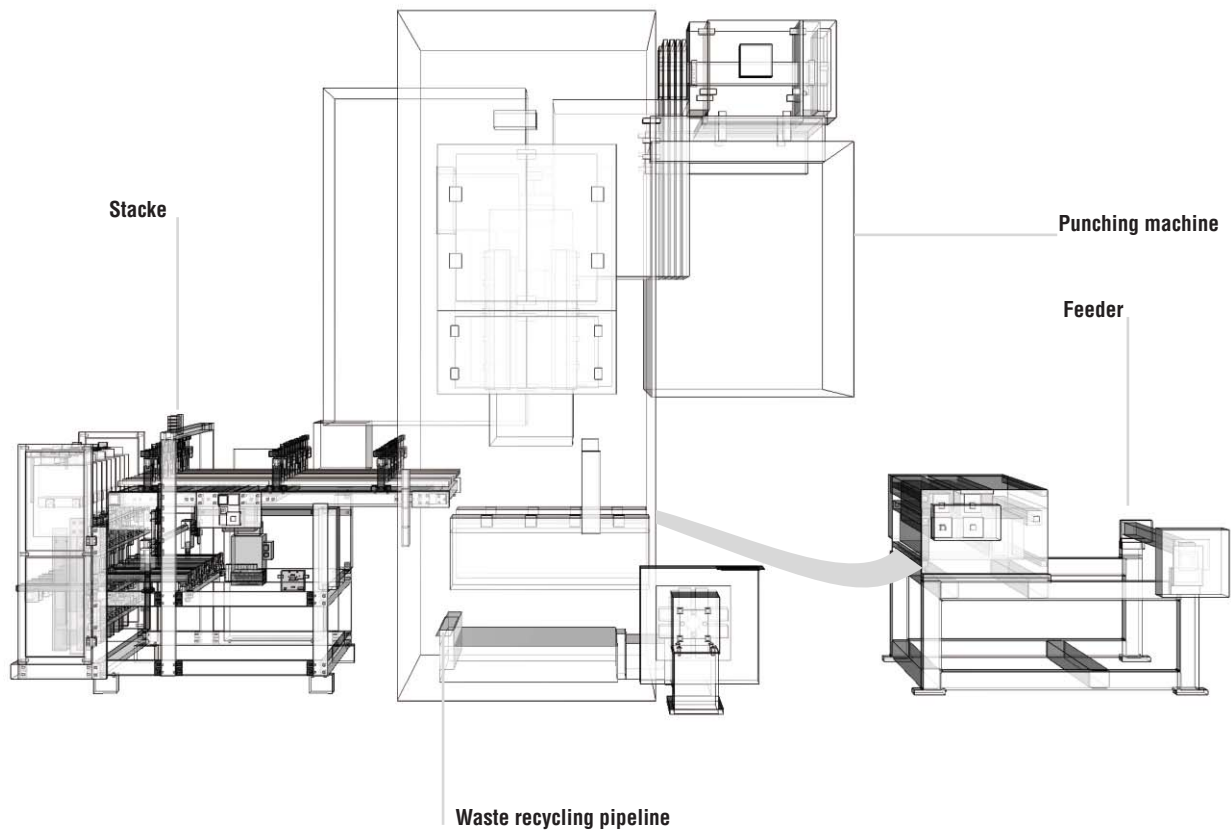
# Global selection



# Advantages of ABL intelligent production line

1. The oil coating on the surface of aluminum foil is optimized, which is more economical and hygienic, and the oil coating is more uniform;
2. The ultrasonic probe realizes automatic tension control, automatic adjustment and no wrinkling;
3. The servo feeding system realizes high feeding accuracy and wider stable feeding range;
4. Aibaole press is thick and powerful, with a net weight of 63 tons, 8.5 tons of press, and 13 tons of 80 tons of press. It is more durable and stable.
5. 80t H-type press, rare lubrication system with automatic circulation; Electric mold adjustment, automatic mold height adjustment;
6. The latest Mitsubishi PLC + 13 Inch Touch screen can intelligently store and call production data, and quickly complete the debugging time after replacing the mold.
7. One person can change the mold without worry. The latest customized design can change the mold for 10 minutes, which is faster and easier!.
8. With the continuous upgrading of machine and mold technology, the production noise is greatly reduced.
9. Provide safety door shield to protect operators.





### Producing lin diagram

Model	ABL-45	ABL-63	ABL-80
A	2850	2850	3400
B	1300	1300	1500
C	3150	3150	3150
D	1600	1600	2150
E	1500	1500	1900
F	2100	2200	2150

unit:mm

# Aluminum Container Production Line series

## 80T PARAMETER

### H-TYPE FIX STROKE PRESS



#### Introduction

The Press which offers a large tool area is optimized for fast mould change and easy setup. The shut height is adjustable according to the mould requirement. The Press has 12PLC controlled solenoid valves with independent pressure regulators for optimal tool setup and adjustment. The press is also equipped with 6 additional pressure tanks for optimal air distribution.

The operator of the machine only has to set up the packaging requirement (pcs to count) at the touch screen and collect the finished counted and stacked products on the end of the line.

MODEL	Data
Model	ABL-80
Nominal Force	800KN
Nominal Force distance	4mm
Slide Block Stroke(optional)	240/280mm
Stroke Time	35-70times/min
Max. Die Height	500mm
RAM Adjustment Height	80mm
Magnetic Valve	12Group SMC Magnetic Value
Work Block Dimension (front &back* left & right * thickness) (increase cope hole)	900*200*300 Moving platen
Work Plate Dimension (front & back*left & right)	520x750mm
Install Hole Dimension of Work Plate	470x470mm
Shank Hole Size (dimension*depth)	Φ60*deep 80mm
Stand column distance	1480mm
Air Pressure	0.6/Mpa
Gasholder	6
Shock Pad ( Type: S78-10-05 )	4
Voltage & Frequency (Optional)	380V-50HZ-3PHASE
Total Power	20KW
Total Dimension (L x W x H)	7000 x 2000 x 3700mm
Machine Weight (N.G.)	8000kg

# 45/55/63T PARAMETER

## Advantages

- 1. Welded body with steel plate and high intensity.
- 2. Main motor is made by Siemens.
- 3. Adopts combined pneumatic friction clutch and brake.
- 4. Cluster gear adopts the flooding oil lubrication.
- 5. Six-face rectangle lengthen guide;
- 6. Equipped with hydraulic overload protecting device.
- 7. Equipped with lifting balance cylinder.

## C-TYPE FIX STROKE PRESS



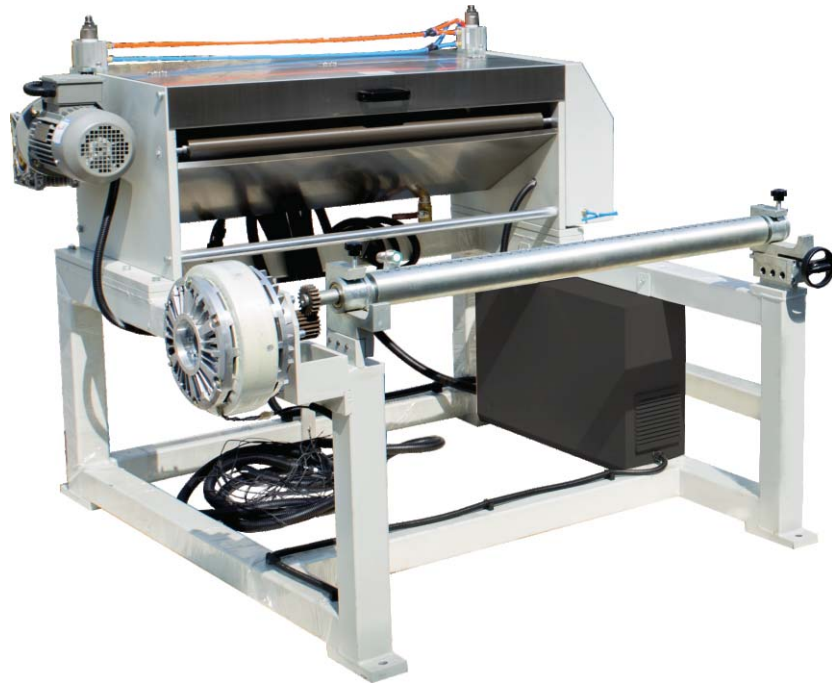
MODEL	Data
Model	ABL-45/ABL-55/ABL-63
Nominal Force	450/550/630KN
Nominal Force distance	4mm
Slide Block Stroke(optional)	180/220/240mm
Stroke Time	35-70times/min
Max. Die Height	380/400/400mm
RAM Adjustment Height	80mm
Magnetic Valve	6 Group SMC Magnetic Value
Work Block Dimension (front &back* left & right * thickness) (increase cope hole)	900*200*300 Moving platen
Work Plate Dimension (front & back*left & right)	225x400/225x400/360x480mm
Install Hole Dimension of Work Plate	145x360/145x360/320x380mm
Shank Hole Size (dimension*depth)	Φ 60*deep 80mm
Stand column distance	630mm
Air Pressure	0.6/Mpa
Gasholder	4
Shock Pad ( Type: S78-10-05 )	4
Voltage & Frequency (Optional)	415V/380V-50HZ-3PHASE
Total Power	9.7/9.7/13KW
Total Dimension (L x W x H)	7000 x 2800 x 3600mm
Machine Weight (N.G.)	6500kg/6500kg/7000kg

# FEEDING(DECOILER)





# FEEDING(DECOILER)



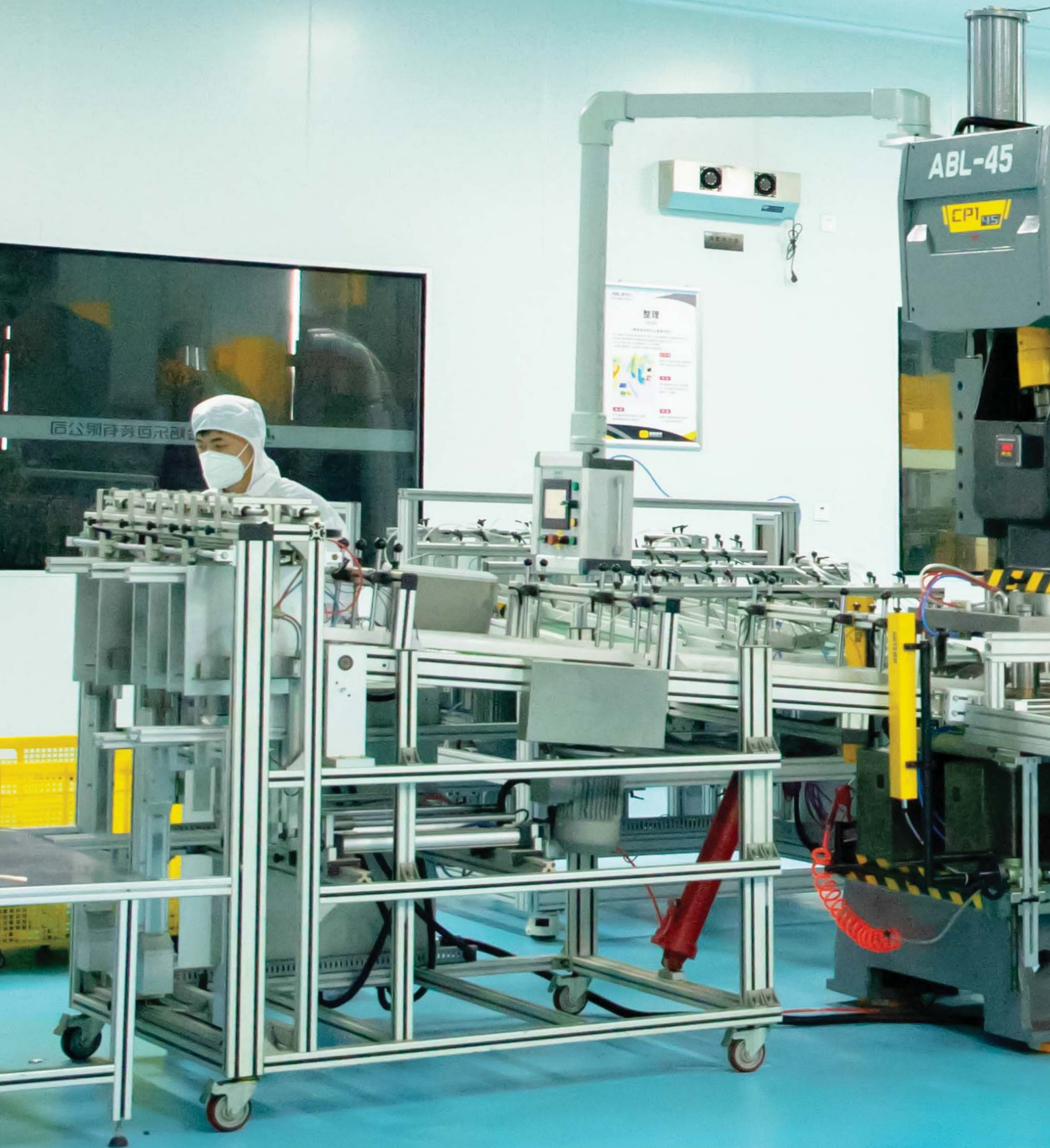
## Advantages

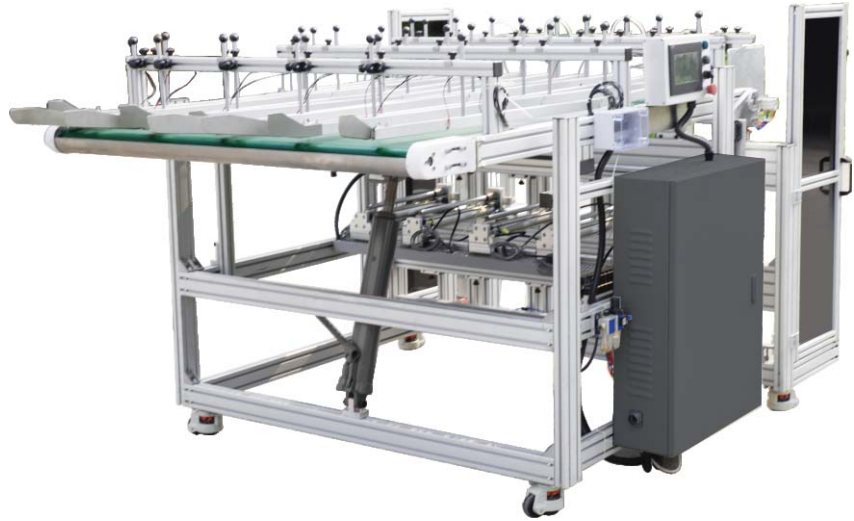
- 1. Designing for labor saving and production efficiency.
- 2. Stack trays and containers of different dimensions.
- 3. Easy to operate and adjust based on customize requirements

## SPECIFICATIONS

Item	ABL-DE063	ABL-DE080	ABL-DE110
Max.Diameter of material coil	1100mm	800mm	800mm
Max.Width of foil material	800mm	1000mm	1250mm
Feeding speed	0-60m	0-60m	0-60m
Feeding length	20-1000mm	20-1000mm	20-1000mm
Feeding precision	+/-0.5mm	+/-0.5mm	+/-0.5mm
Work Voltage(Optional)	380V-50/60Hz-3Phase	380V-50/60Hz-3Phase	380V-50/60Hz-3Phase
Work power	2kW	3kW	3kW
Feeder Dimension(L×W×H)	1400×1700×1250mm	1400×1950×1250mm	1400×2200×1250mm

# AUTOMATIC STACKER





## Advantages

- 1. Precise foil supply.
- 2. Stainless steel lubrication tank.
- 3. Reel shaft system for quick and easy exchange of coil.

## SPECIFICATIONS

Item		ABL-ST063	
Collector Belt Width	600mm	900mm	
Collector Belt Height	1100(±100)mm(The height is adjustable)		
Max.Container Dimensions	250×400mm (4 Channels)	200×400mm(5 Channels)	
Min.Container Dimensions	80×120mm(Small also available)		
Max.Height of Container Stack	300mm		
Lifting System	By step motor and linear guide		
Photocell Electronic Counting Device	Container counter automatically stops press at top of stroke in emergency situations.		
Control Panel	Touch screen panel		
Stacking System	Photo electric sensor controls the height of the stack with electric brake system		
Installed Power	1kW	1.2kW	
Air Consumption	0.05m <sup>3</sup> /Min/Channel		
Net.Weight	300kg	400kg	
Stacker Dimensions(L×W×H)	3200×1050×1400(±100)mm	3200×1300×1400(±100)mm	

Item		ABL-ST080	
Collector Belt Width	1100mm	1300mm	
Collector Belt Height	1100(±100)mm(The height is adjustable)		
Max.Container Dimensions	200×400mm (4 Channels)	190×400mm(5 Channels)	
Min.Container Dimensions	80×120mm(Small also available)		
Max.Height of Container Stack	300mm		
Lifting System	By step motor and linear guide		
Photocell Electronic Counting Device	Container counter automatically stops press at top of stroke in emergency situations.		
Control Panel	Touch screen panel		
Stacking System	Photo electric sensor controls the height of the stack with electric brake system		
Installed Power	1.5kW	1.7kW	
Air Consumption	0.05m <sup>3</sup> /Min/Channel		
Net.Weight	500kg	600kg	
Stacker Dimensions(L×W×H)	3200×1530×1400(±100)mm	3200×1790×1400(±100)mm	

# Mold Series

## MOLD OF ALUMINUM FOIL CONTAINER

### MOULDS FOR SMOOTH-WALL CONTAINERS

We design and manufacture moulds for smooth-wall containers in aluminum for the food industry.

Smooth wall aluminium containers are both attractive and strong.

They may be lacquered or unlacquered. Since lidding films and foils may be applied, they are ideal for ready-to-cook meals due to their ability to be hermetically sealed. We build all of our tools with high quality steel. Flow areas are heat treated for proper hardness. These quality controls ensure reliable tools with long life. The moulds are completely designed using a Solid works 3D CAD system.



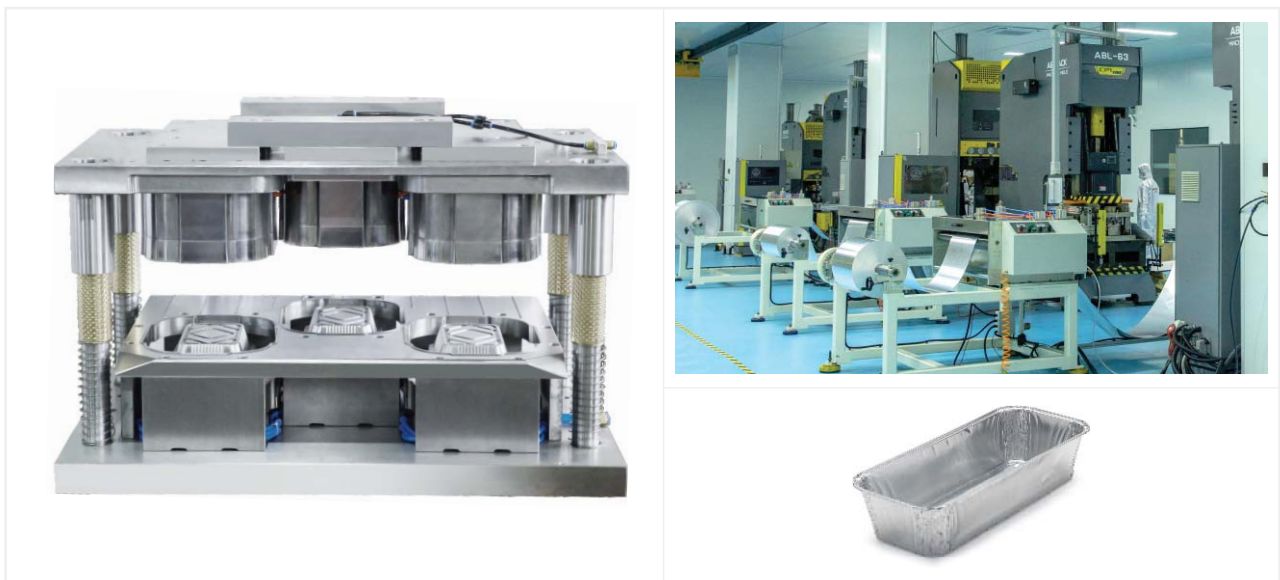
### MOULDS FOR CONTAINERS WITH FOLDED ANGLES

Production of moulds for containers with folded angles specific for the realization of aluminium and paper containers for the confectionery and bakery industry.

This type of tool can produce very deep containers with very tight corner radii. These containers are ideal for baking producers.

When the bakery industry needs deep containers, these folded pans are preferred due to their great depth and easy-opening systems.

The folded containers are smooth along the walls and have a G rim.



## WRINKLE WALL CONTAINER MOULDS

Wrinkle wall container moulds: we take care of the realization of moulds according to the customer's need studied specifically for the realization of aluminium containers, working for the food industry market.

Wrinkle wall aluminium containers are the most common in the market and ABL Machine&mould is able to construct all type of moulds following the clients request in term of shape, dimensions and rims (G rim, L rim, IVC). We build all of our tools with high quality steel. Flow areas are heat treated for proper hardness. These quality controls ensure reliable tools with long life. The moulds are completely designed using a Solid works 3D CAD system.



## MOULDS FOR SPECIAL CONTAINERS

Design and construction of moulds for special containers, we are able to satisfy all customer needs thanks to our experience and high quality of manufacturing.

Special containers can be wrinkle wall or smooth wall and for both ABL Machine&mould can project and construct the relative moulds following the clients request in term of shape, dimensions and rims. For example:

Fish tray is a special wrinkle wall mould for fresh food presentation.

Special lid is a special smooth wall for air lines containers.

Grill Plate are wrinkle wall trays for barbecue use.

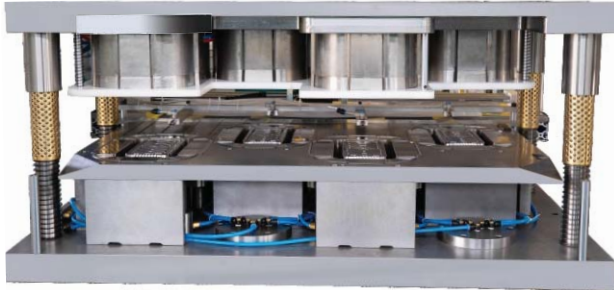
Creme Caramel are small round wrinkle wall container very common in bakery field.

Coffee Cup are typical for the coffee industry.



# Mold Series

## MOLD OF ALUMINUM FOIL CONTAINER



### Advantages

- 1. As the standard of European mold, meets the sanitary rule of food-grade no-wash container production, solid structure (1100kg mold), the mold steel adopted is more wear-resistant, higher processing accuracy, 1-year after-sales warranty
- 2. Superior structure design can realize high speed automatic stacking production
- 3. The design of meal boxes and containers is optimized with better strength
- 4. Production waste rate is lower
- 5. Good applicability for different alloy aluminum foil, like 8011/3003/8006 can be applied

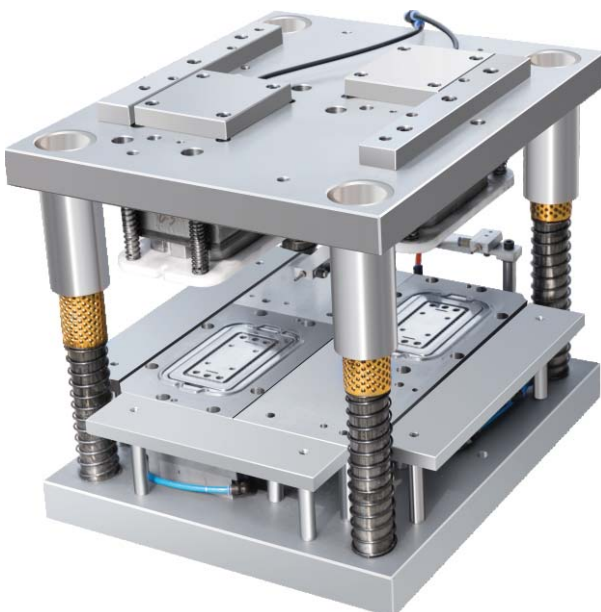
## MOLD OF ALUMINUM FOIL LID

### Introduction

We have long experience to work with Aluminum container mould for our own production, and customers' requirements to manufacture. Our high technology moulds are easy to operate and maintain.

All of our tools are made by high quality steel. Flow areas heat treated for proper hardness. Our moulds ensure reliable tools with long life. We can build the mould basic on our Customers' requests, with different trim configurations including Full Curl(G rim), Hemmed Vertical Edge (L rim), Interrupted Vertical Curl(IVC) and so on.

We can produce the mould according our Customers' requests with different shapes and sizes of containers, as well as the number of cavities in the mould.



# Scrap Press

## introduction

- The scrap collector & press automatically convey the aluminum foil scrap of your production into a collecting bin where it will be compressed into small blocks for convenient handling.

## Advantages

- 1. Automatic conveying.
- 2. Compresses the scrap to compact cubes.
- 3. Can handle up to 2 machines.
- 4. Low noise.
- 5. One step recycle.
- 6. Reduced labor and transportation.



## SPECIFICATIONS

Serial Number	Name	Unit	Numerical value
1	Nominal force of oil cylinder	Ton	30
2	Rated pressure	Mpa	20
3	Motor total power	Kw	5.5
4	Pump discharge	ml/r	20
5	Oil Cylinder Maximum Trip	mm	1000
6	Pressing time	s	30
7	Return time	s	18
8	Packing size(widthxdepth)	mm	400x400
9	Maximum packing height	mm	300
10	Minimum packing height	mm	100
11	Feed inlet size	mm	300x300
12	The pressure plate back to the top	mm	1100
13	Under pressure to the pressure plate	mm	110
14	Total weight of machine	Ton	1.2
15	Machine volume(widthxdepthxhigh)	mm	1320x1400x2720

# International Quality Safe and healthy

Manual, semi-automatic, fully automated machine matched with series of high-end sealed aluminum foil boxes.

It helps bakery food industry, Electronic Industry, Cosmetic Industry and other industries to upgrade innovation of E-commerce and cold chain.

The sealing machine is small size, good quantity, easily operated, economical and practical.

Just a small sealing machine, do sealing so easily!





# Aluminum foil container sealing machine

## Electric sealing machine

Length	58cm
Width	32cm
Height	64cm
Applicable models	All sealing container models
Voltage	220V
Sealing temperature	220-250°C
Sealing time	0.5~2.0S



## Pneumatic sealing machine

Length	58cm
Width	32cm
Height	64cm
Applicable models	All sealing container models
Voltage	220V
Sealing temperature	220-250°C
Sealing time	0.5~2.0S

NOTE: There are 7 types of pneumatic sealing machines

## Manual automatic sealing machine

Length	31.5cm
Width	31.5cm
Height	43.4cm
Applicable models	AP520/AP620/AP1035
Voltage	220V
Sealing temperature	220-400°C
Sealing time	0.5~2.0S



## Button automatic sealing machine

Length	45cm
Width	45cm
Height	50cm
Applicable models	AP1050/AP1450
Voltage	220V
Sealing temperature	220-250°C
Sealing time	0.5~2.0S

# Aluminum foil container sealing machine

## Pneumatic sealing machine(4 cavity)

brand	ABLPACK
Length	92cm
Width	75cm
Height	156cm
Applicable models	AP320\AP450
Voltage	220V
Sealing time	1~3.0S



## Manual aluminum foil sealing machine

Length	33cm
Width	33cm
Height	46cm
Applicable models	All sealing container models
Voltage	220V
Sealing temperature	220-250°C
Sealing time	0.5~2.0S

## Manual plastic sealing machine

Length	50cm
Width	52cm
Height	72cm
Applicable models	All sealing container models
Voltage	220V
Sealing temperature	220-250°C
Sealing time	0.5~2.0S



## Manual aluminum foil sealing machine

Length	35cm
Width	35cm
Height	85cm
Applicable models	AP590/AP750/AP890
Voltage	220V
Sealing temperature	220-400°C
Sealing time	0.5~2.0S



## The application of high end aluminum foil container sealing machine and sealable container

Food and beverage industry: Airline catering, fast food delivery, frozen cooked food, etc.

Baking industry: fresh bread, frozen dough, frozen cakes, moon cakes, western desert, Cheese type, flaky pastry.

Food industry: top grade tonic, normal temperature food, coffee capsule, solid drink, milk power capsule, meat, fish, seafood, flavors, hot pot sauce, tea, jam and honey, pet food.

Other products require strict sealing.

# ABLPACK

## MACHINE & MOLD

Made in Faith · Global Sharing



Brand ▼

## ABLPACK

MACHINE & MOLD

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