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2.RODBOL reserves the right to continuously improve the product technology and appearance design,
and the product information is subject to change without prior notice.

让新鲜更长久

LET THE FRESHNESS LAST LONGER.



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ABOUT US

RODBOL was established in Chengdu, China in 2015. RODBOL is the professional fresh-keeping packaging machine supplier, which integrate researching, promoting, developing, improving, innovating, disseminating and providing service into one.

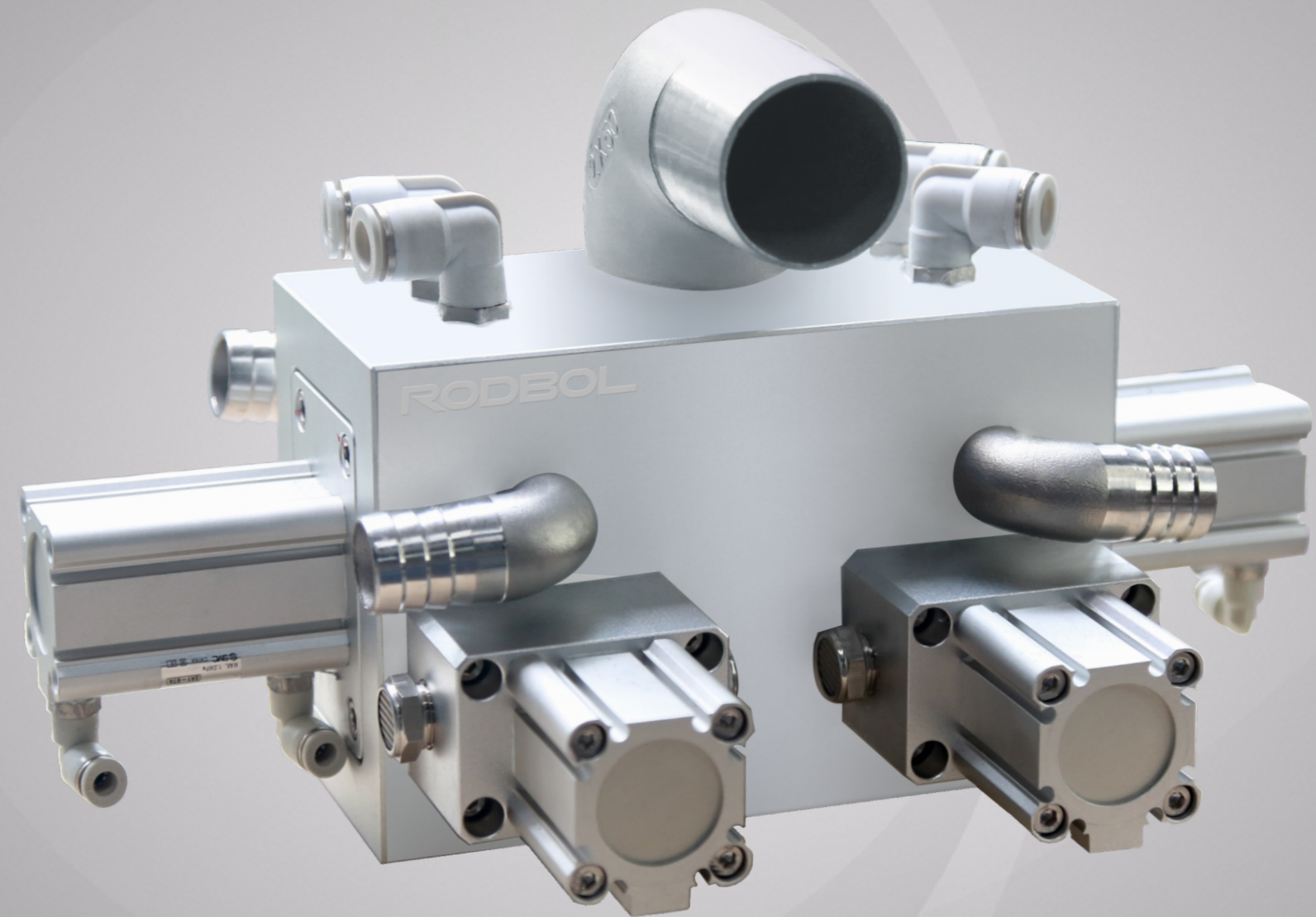
In the process of development, Rodbol continuously improves the technology, service and manufacturing level. We will provide high-quality products for cooperative enterprises, meet the needs of enterprises with cost-effective, stable, efficient and practical equipment, and fully participate in the flexible needs of market competition.

Corporate Culture:

Mission: Technology make fresh longer

Vision: Domestic leading, international first-class

Values: Integrity, Efficient, Innovation, Focus



RS425H Thermoforming Machine (Modified Atmosphere Packaging)

THERMOFORMING PACKAGING MACHINE

Automatic Thermoforming Packaging Machine applied to MAP packaging for large-scale mass-production. Thermoforming Packaging Machine consists of Framework, Automatic mold, Gas-mixer, Fresh keeping gasdisplacement system, Rigid Film delivery mechanism , cover Filim feeding mechanism, Waste Flim recycling mechanism, Sealing system,Auto automatic conveyor, Servo control system.It can be widely used in fresh meat, cooked meat, fruit&ve ge,sea food, center kitchen, dry food,daily chemical , medicine, ice cream and so on.



Overall Dimensions(mm) 7120×1080×2150	Height of operation(mm) 950	Touch screen height(mm) 1500	Length of Packing Area(mm) 2000
One Cycle Time(s) 6~8	Speed(Trays/h) 2700-3600 (6 Trays)	Size of Molding(mm) 105×175×120	Container Size(mm) 121×191×120
Air displacement mode High precision vacuum type	Residual oxygen rate (%) ≤1%	Mixing gas error(%) ±2%	Power(V/Hz) 380/50
			Air source pressure(MPa) 0.6~0.8

RS425T Thermoforming Machine (Vacuum Skin Packaging)



RS425S Thermoforming Machine (Flexible Film Vacuum Packaging)



Overall dimensions(mm)	Height of Operation(mm)	Touch screen height(mm)	Length of Packing Area(mm)
7120×1080×2150	950	1500	2000

Maximum cover film(Wide * diameter mm)	Container Size(mm)	Single Cycle Time(s)
422×260	<368×387	10~12

Speed(Trays/h)	Power(V/Hz)	Air source pressure(MPa)
1200-1440 (4 Trays)	380/50	0.6~0.8

Overall dimensions(mm)	Height of Operation(mm)	Touch screen height(mm)	Length of Packing Area(mm)
7120×1080×2150	950	1500	2000

Maximum cover film(Wide * diameter mm)	Container Size(mm)	Single Cycle Time(s)
422×260	368x387x80	6~8

Speed(Trays/h)	Power(V/Hz)	Air source pressure(MPa)
2700-3600 (6 Trays)	380/50	0.6~0.8

Why choose us ?

Vacuum Pump Replacement System

Using negative pressure replacement, to ensure that the residual oxygen rate in the package is more than 99% of the high precision. The replacement precision is the most important index of MAP.

Dedicated Replacement System

- ▶ High-precision mixing ratio is the most basic prerequisite for food maintain freshness.
- ▶ Not affected by source pressure changing.
- ▶ Not affected by packaging speed or packaging size.
- ▶ The gas supply is monitored by a pressure switch. Alarm triggered,if the inlet pressure is too low.

Low Pressure Filling System

- ▶ RODBOL adopt a low-pressure filling system, and the inflation pressure is only 0.06MPa, which .
- ▶ saves 1/3 gas.Making sure the same appearance of every single container.

Servo Shaped/Sealing System

- ▶ Servo drive Precise positioning.
- ▶ Smooth operation, No noise.
- ▶ Stable film feeding, No wrinkle.

Servo Driven Conveying System& Servo Control System

- ▶ Servo drive& chain conveying system , conveying more accurate and more stable.
- ▶ Beckhoff Servo control system, productive process more stable,more reliable.

Advanced Fieldbus Technique

- ▶ The most advanced EtherCAT bus technology, making the system Modular designed and assembled, the Peripheral function could be Unlimited expansion.

Whole Machine SS304

- ▶ Whole Machine SS304, High strength and good stability;
- ▶ The open structure design is not easy to hide dirt, and it is more convenient to clean up.

Multi-section Body Machine design

- ▶ Filling space can be extended indefinitely;Function space can be increased freely.
- ▶ Machine could be separated parts, making the cost of transport lower & the intensity of labor lower.

Bottom Flim system

- ▶ Active Flim-feed structure+Swing arm Tensioner Ensureing stable operation of bottom film.

Integrated equipment

Metal Detector+ Elimination System

Brand: Bizerba
Type: MD Eco 350/120
Opening Size:W350mm*H120mm
Conveyor Length: 1500mm
Conveyor Width: 280mm

Product Height (Maximum) : 100mm
Height (Maximum) : 800±50mm
Detection Head: Stainless steel, IP54
Elimination System: Cylinder type



Brand:Bizerba
Type: GLM-Emaxx 40
Conveyor's Height: 800-970mm
Infeed Conveyor: 300*400mm
Labeling Conveyor Belt: 300*400mm
Top label:30*30mm-100*100mmBlowing Type Header
Print Width/Resolution/Speed:104mm/8dot/mm/150mm/s
The Inside Diameter of Label-roll :76mm
Ethernet/RS232 Interface
Editable Label Software

Weighing & Labeling System

Disc Receiving Finishing Machine

Type:YP-1400
Delta AC Drive Power: 0.4kw
Delta AC Drive Speed Ratio: 1:100
Motor Power:0.37kw

Dimensions:Φ1400*H770mm
Supply:220/50(V/Hz)
Weight:90KG
Main Material: SUS304



MODIFIED ATMOSPHERE PACKAGING MACHINE

Modified Atmosphere Packaging:

Modified Atmosphere Packaging uses the packaging materials with gas barrier performance to package food, and fills a certain proportion of $O_2+CO_2+N_2$, N_2+CO_2 , O_2+CO_2 into the packaging according to the actual demand of customers. Prevent or slow down the quality decline of food in physical, chemical and biological aspects, so as to extend the shelf life of food and improve the value of food.

Common Protective Gas:

CO_2 , O_2 , N_2

Their respective functions are:

CO_2 : A bacteriostatic gas agent that inhibits bacterial growth and reproduction.

Its features:

- (1) The bacteriostasis was in the late stage of the bacterial reproduction curve (the bacteriostasis index was about 100 /100G);
- (2) Easily dissolved in water and fat at low temperature;
- (3) It has inhibitory effect on most aerobic bacteria, but not on anaerobic bacteria and yeast;
- (4) Usually the minimum concentration of inhibitory bacteria is 30%.

O_2 :

- (1) Inhibit the growth and reproduction of anaerobic bacteria;
- (2) Keep the red color of fresh pigs, cattle and mutton;
- (3) Maintain fresh fruit and vegetable metabolism aerobic respiration.

N_2 : inert gas, does not react with food, only as a filling gas mixed with gas.

Application:

MAP can be widely used in raw meat, cooked food, aquatic products, fruits and vegetables, central kitchens, pastries, Chinese medicinal materials and other industries. Because it well maintains the original taste, color and shape of food, the most important is the nutrition of food, while maintaining its long freshness period, it is increasingly favored by food processing enterprises and consumers.

Food	Shelf life in the air	Shelf life of MAP
Raw meat	4-7d	9-12d
Raw poultry	3-5d	10-15d
Fish and seafood	2-3d	4-6d
Cheese	1-4w	2-12w
Spaghetti	1-2w	3-4w
Baked Goods	4-14d	4-12w
Cooked meat	1-3d	10-20d
Cooked poultry	5-10d	7-21d
Salad	3-14d	7-21d
Dry goods	4-8m	1-2m
Cooked fish	1-3d	7-12d
Fruits and vegetables	2-7d	5-35d



Desktop/semi-automatic	Flim Width Max.(mm) 270	Flim Diameter Max.(mm) 240	Residual oxygen rate(%) ≤0.5%
Precision of mixing ≥99%	Overall dimensions(mm) 860×820×705	Working pressure(Mpa) 0.6~0.8	Supply(Kw) 1-1.5
Power(V/Hz) 220/50	Flim Diameter Max.(mm) 285×180×85	Single Cycle Time(s) 10-12	Speed(Trays/h) 200~300 (1 Tray)

RDL380P Floor Type MAP Machine



RDT320P Table Type Machine

Vertical/Semi-automatic	Flim Width Max.(mm) 360	Flim Diameter Max.(mm) 260	Residual oxygen rate(%) ≤0.5%
Precision of mixing ≥99%	Overall Dimensions(mm) 980×1160×1400	Working pressure(Mpa) 0.6~0.8	Supply(kW) 3.5-4.5
Power(V/Hz) 220/50	Flim Diameter Max.(mm) 390×280×85	Single Cycle Time(s) 10-12	Speed(Trays/h) 1200~1400 (4 Trays)

RDL480P Floor Type MAP Machine



Vertical/Semi-automatic	Flim Width Max.(mm) 450	Flim Diameter Max.(mm) 260	Residual oxygen rate ≤0.5%
Precision of Mixing ≥99%	Overall Dimensions(mm) 1225×1350×1495	Working pressure(Mpa) 0.6~0.8	Supply(Kw) 3.5-4.5
Power(V/Hz) 220/50	Maximum tray size(mm) 550×390	Single Cycle Time(s) 10-12	Speed(Trays/h) 1200~1400 (4 Trays)

RDW500P AUTO MAP Machine

Horizontal/fully automatic	Flim Width Max.(mm) 540	Flim Diameter Max.(mm) 260	Residual oxygen rate ≤0.5%
Precision of Mixing ≥99%	Overall Dimensions(mm) 3230×940×1850	Working Pressure(Mpa) 0.6~0.8	Supply(Kw) 3.2-3.7
Power(V/Hz) 220/50	Maximum tray size(mm) 450×300×85	Single Cycle Time(s) 10-12	Speed(Trays/h) 900~1000 (3 Trays)



RDW500P

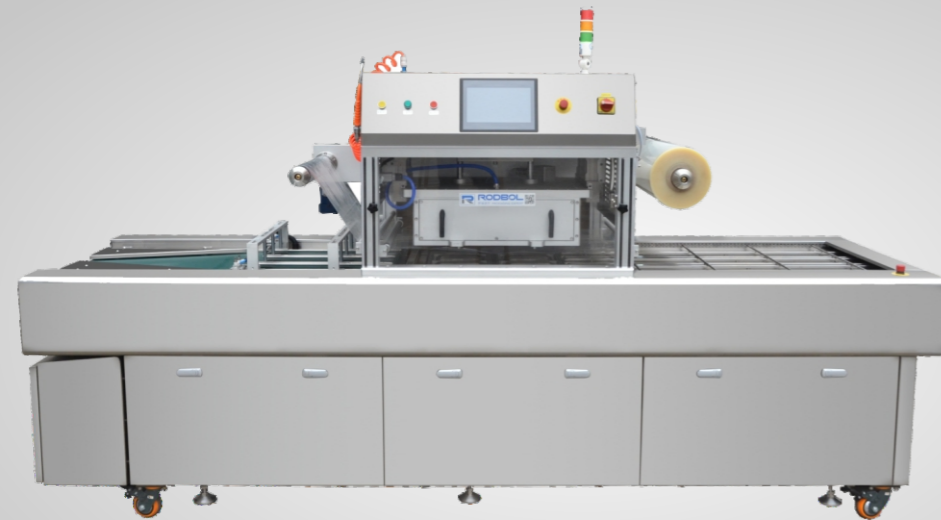
RDW570P
AUTO MAP Machine



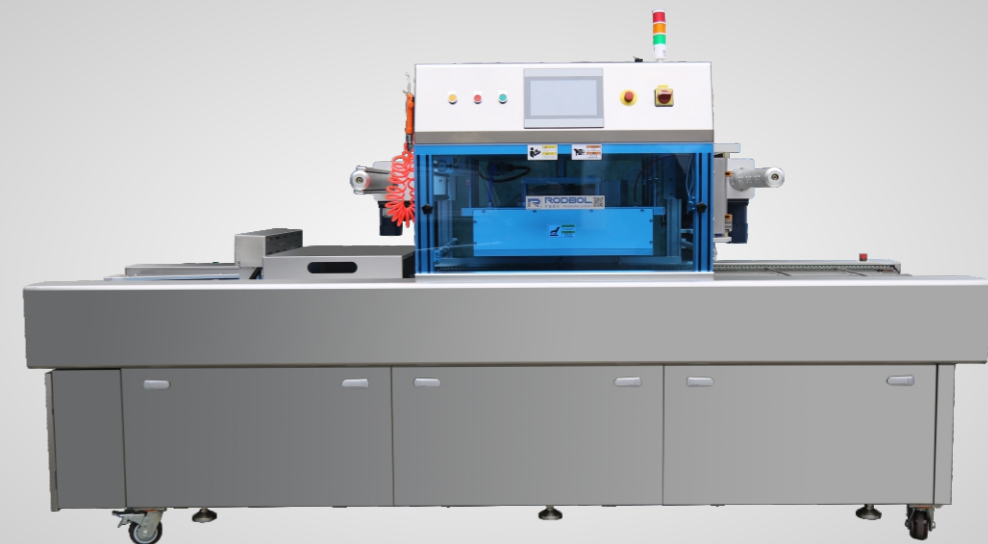
RDW570P

Horizontal/fully automatic	Flim Width Max.(mm) 540	Flim Diameter Max.(mm) 260	Residual Oxygen rate ≤0.5%	Precision of Mixing ≥99%	Overall dimensions(mm) 3190x980x1950
Working pressure(Mpa) 0.6~0.8	supply(kW) 5~5.5	Power(V/Hz) 220/50	Maximum tray size(mm) 435x450	Single Cycle Time(s) 7.5~8.5	Speed(Trays/h) 2500-2800 (6 Trays)

RDW600V AUTO MAP Machine



RDW620V AUTO MAP Machine



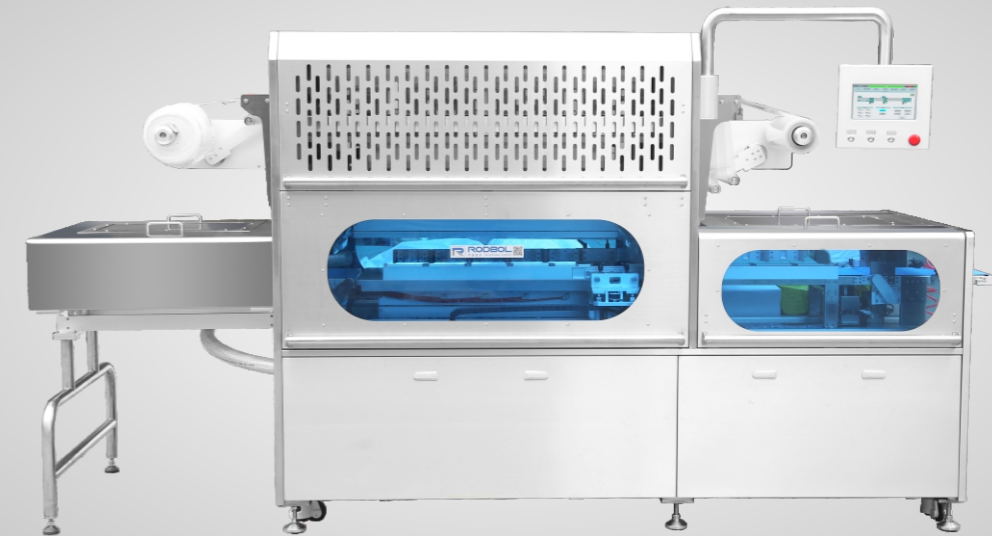
Horizontal/fully automatic	Flim Width Max.(mm) 540	Flim Diameter Max.(mm) 260	Residual oxygen rate(%) ≤0.5%
Precision of mixing ≥99%	Overall Dimensions(mm) 3230×940×1950	Working pressure(Mpa) 0.6~0.8	Supply(kW) 7.5-7
Power(V/Hz) 380/50	Maximum tray size(mm) 425×260×110	Single Cycle Time(s) 14-18	Speed(Trays/h) 1100~1400 (6 Trays)

Horizontal/fully automatic	Flim Width Max.(mm) 540	Flim Diameter Max. (mm) 260	Residual oxygen rate(%) ≤1%
Precision of mixing ≥99%	Overall dimensions(mm) 3230×1036×1700	Working pressure(Mpa) 0.6~0.8	Supply(kW) 10-10.5
Power(V/Hz) 380/50	Maximum tray size(mm) 260×425×110	Single Cycle Time(s) 8.5-10	Speed(Trays/h) 2100~2500 (6 Trays)

RDW700P AUTO MAP Machine



RDW730P AUTO MAP Machine



Horizontal/fully automatic	Film Width Max.(mm) 380	Film Diameter Max.(mm) 260	Residual Oxygen rate(%) ≤0.5%
Precision of Mixing ≥99%	Overall Dimensions(mm) 3525×1000×1950	Working pressure(Mpa) 0.6~0.8	Supply(Kw) 4.5-5.5
Power(V/Hz) 220/50	Maximum Tray size(mm) 350×240×90	Single Cycle Time(s) 7-8	Speed(Trays/h) 2100~2500 (5 Trays)

Horizontal/fully automatic	Film Width Max.(mm) 350	Film Diameter Max.(mm) 260	Residual Oxygen rate(%) ≤1%
Precision of Mixing ≥99%	Overall Dimensions(mm) 4000×1100×2250	Working pressure(Mpa) 0.6~0.8	Supply(Kw) 8-9
Power(V/Hz) 380/50	Maximum Tray size(mm) 420×240×80	Single Cycle Time(s) 6-8	Speed(Trays/h) 2700~3600 (6 Trays)

RLH200 HIGH SPEED TRAY DENESTER



HIGH SPEED TRAY DENESTER MACHINE

RLH200 high-speed tray denester machine

RLH200 high-speed automatic tray denester machine is our company according to the requirements of China Quality Certification Center, combined with the process conditions of domestic food production enterprises, independent research and development of high-tech equipment, and obtained the utility model patent certificate.

The product is ergonomic and humanized. It has the features of high speed unpacking, intelligent tray feeding, simple operation, stable operation, high efficiency and energy saving.

Application:

Mainly used in prefabricated tray automatic packaging production line.

Overall dimensions(mm)	Power(V/Hz)	Maximum tray size(mm)	supply(kW)
1710×565×1550	220/50	<260×180	0.3~0.5
One Cycle Time(s)	Air source pressure(Mpa)	Speed(Trays/h)	Residual oxygen rate(%)
≥0.5	0.4~0.8	≤7200	<1%

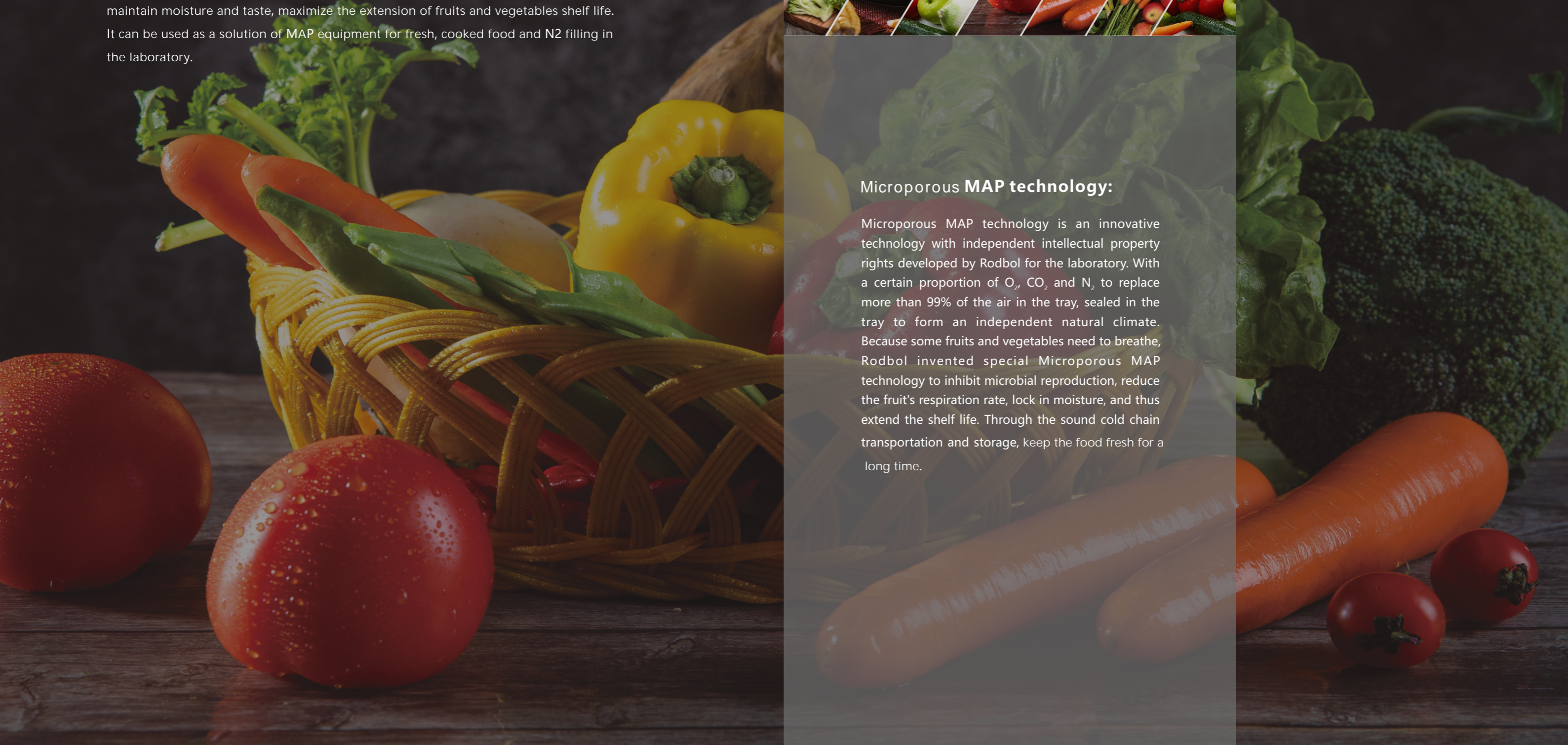
MODIFIED ATMOSPHERE PACKAGING MACHIINE FOR FRUITS AND VEGETABLES

The shelf life of general packaged fruits and vegetables is short, the water is easy to lose, the taste is easy to change, and the loss rate is high, which seriously affects the sales. Fruit and vegetable tiny breathing adjustment packaging technology, can minimize the fruit and vegetable respiration rate, reduce aerobic consumption, control aerobic respiration, maintain moisture and taste, maximize the extension of fruits and vegetables shelf life. It can be used as a solution of MAP equipment for fresh, cooked food and N₂ filling in the laboratory.



Microporous MAP technology:

Microporous MAP technology is an innovative technology with independent intellectual property rights developed by Rodbol for the laboratory. With a certain proportion of O₂, CO₂ and N₂ to replace more than 99% of the air in the tray, sealed in the tray to form an independent natural climate. Because some fruits and vegetables need to breathe, Rodbol invented special Microporous MAP technology to inhibit microbial reproduction, reduce the fruit's respiration rate, lock in moisture, and thus extend the shelf life. Through the sound cold chain transportation and storage, keep the food fresh for a long time.



RDT320P-G Vege&Fruit MAP Machine

Vertical/Semi-automatic	Film Width Max.(mm) 360	Film Diameter Max.(mm) 260	Residual oxygen rate(%) ≤0.5%
Precision of Mixing ≥99%	Overall Dimensions(mm) 1732×1030×1320	Working Pressure(Mpa) 0.6~0.8	Supply(Kw) 3.5-4.5
Machine Weight(kg) 500	Maximum Tray size(mm) 390×280×85	Speed(Trays/h) 1200-1400 (2 Trays/4 Trays)	



Desktop/Semi-automatic	Film Width Max.(mm) 250	Film Diameter Max.(mm) 240	Residual Oxygen rate(%) ≤0.5%
Precision of Mixing ≥99%	Overall Dimensions(mm) 740×970×680	Working Pressure(Mpa) —	Supply(Kw) 1-1.5
Machine Weight(kg) 150	Maximum Tray size(mm) 285×180×80	Speed(Trays/h) 300 (1 Tray)	

RDL380P-G Vege&Fruit MAP Machine

RDW500P-G Vege&Fruit MAP Machine

AUTOMATIC	Film Width Max.(mm)	Film Diameter Max.(mm)	Residual Oxygen rate(%)	Working Pressure(Mpa)	Supply(kW)	Machine Weight(kg)
	540	260	≤0.5%	0.6~0.8	3.2-3.7	600
	Precision of Mixing	Overall dimensions(mm)		Maximum Tray size(mm)	Speed(Trays/h)	
	≥99%	3230×940×1850		480×300×80	1200 (3 Tray)	



VACUUM SKIN PACKAGING MACHINE



Vacuum Skin Packaging:

Under the action of heating and vacuum negative pressure, the cover material is softened and extended, closely attached to the outer surface of the packaging contents, and combined with the heat seal of the base material to form a complete packaging form.

Application:

Widely used in frozen meat, poultry and seafood products, such as ribeye steak, loin ribs, bones, fish, sushi, oysters, lobster tails, salmon, shrimp, etc.

RDL300T**Vacuum Skin Machine****RDL400T****Vacuum Skin Machine****Vertical/Semi-automatic**

Film Width Max.(mm)	Film Diameter Max.(mm)	Maximum Tray size(mm)
440~480	260	370×260
Single Cycle Time(s)	Overall Dimension(mm)	Power(V/Hz)
15~20	1360×1240×1490	220/50
Speed(Trays/h)	Supply(kW)	Working pressure(Mpa)
2100~2500 (2 Trays)	4.5-5.5	0.6~0.8

Vertical/Semi-automatic

Film Width Max.(mm)	Film Diameter Max.(mm)	Maximum Tray size(mm)
480	260	540×370
Single Cycle Time(s)	Overall Dimensions(mm)	Power(V/Hz)
15~20	1360×1500×1490	380/50
Speed(Trays/h)	Supply(kW)	Working Pressure(Mpa)
600~800 (4 Tray)	5~6	0.6~0.8

RDW700T**Vacuum Skin Packing Machine****Horizontal/fully automatic**

Film Width Max.(mm)

390

Film Diameter Max.(mm)

260

Maximum Tray size(mm)

260×178×40

Single Cycle Time(s)

15~20

Overall dimensions(mm)

3525×1000×1950

Power(V/Hz)

380/50

Speed(Trays/h)

720~960
(4 Trays)

Supply(kW)

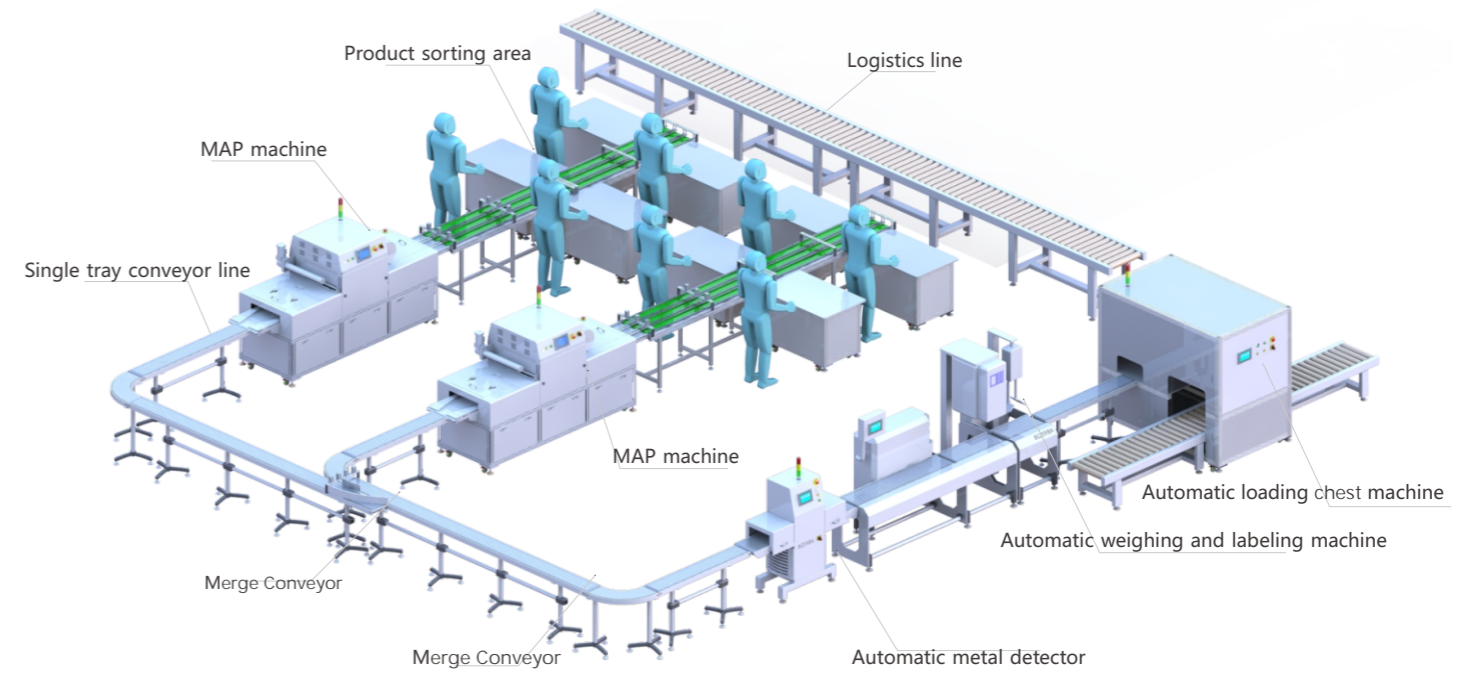
8~9

Working pressure(Mpa)

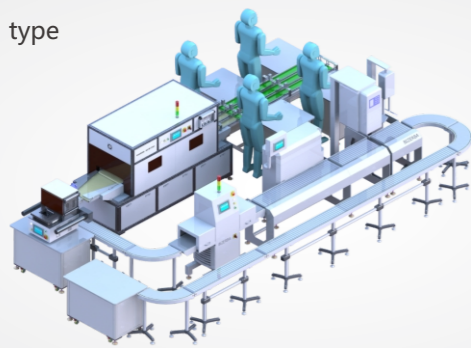
0.6~0.8

AUTOMATIC PACKAGING LINE

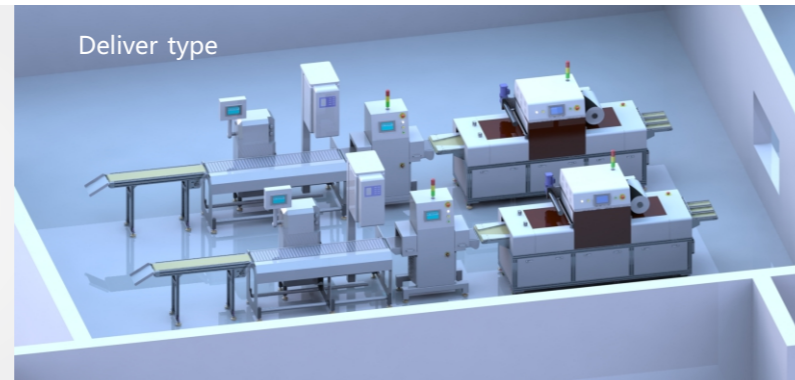
With the increasing production automation and intelligence of food enterprises, Rodbol can provide customers with system integration solutions from product packing, conveying, sealing, metal detection, weighing and labeling, packing and palletizing automatic packaging production lines.



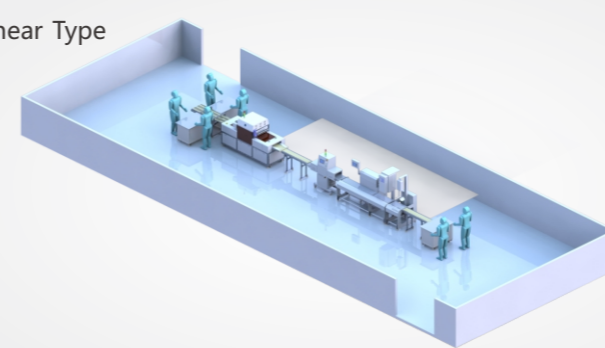
Compact type



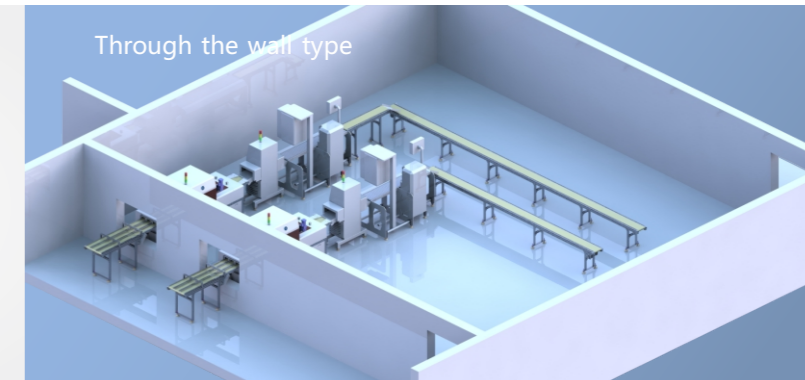
Deliver type



Linear Type



Through the wall type



ASSEMBLY LINE

PRODBOL

Empty tray conveyor



Manual loading



MAP machine



Tray out conveyor



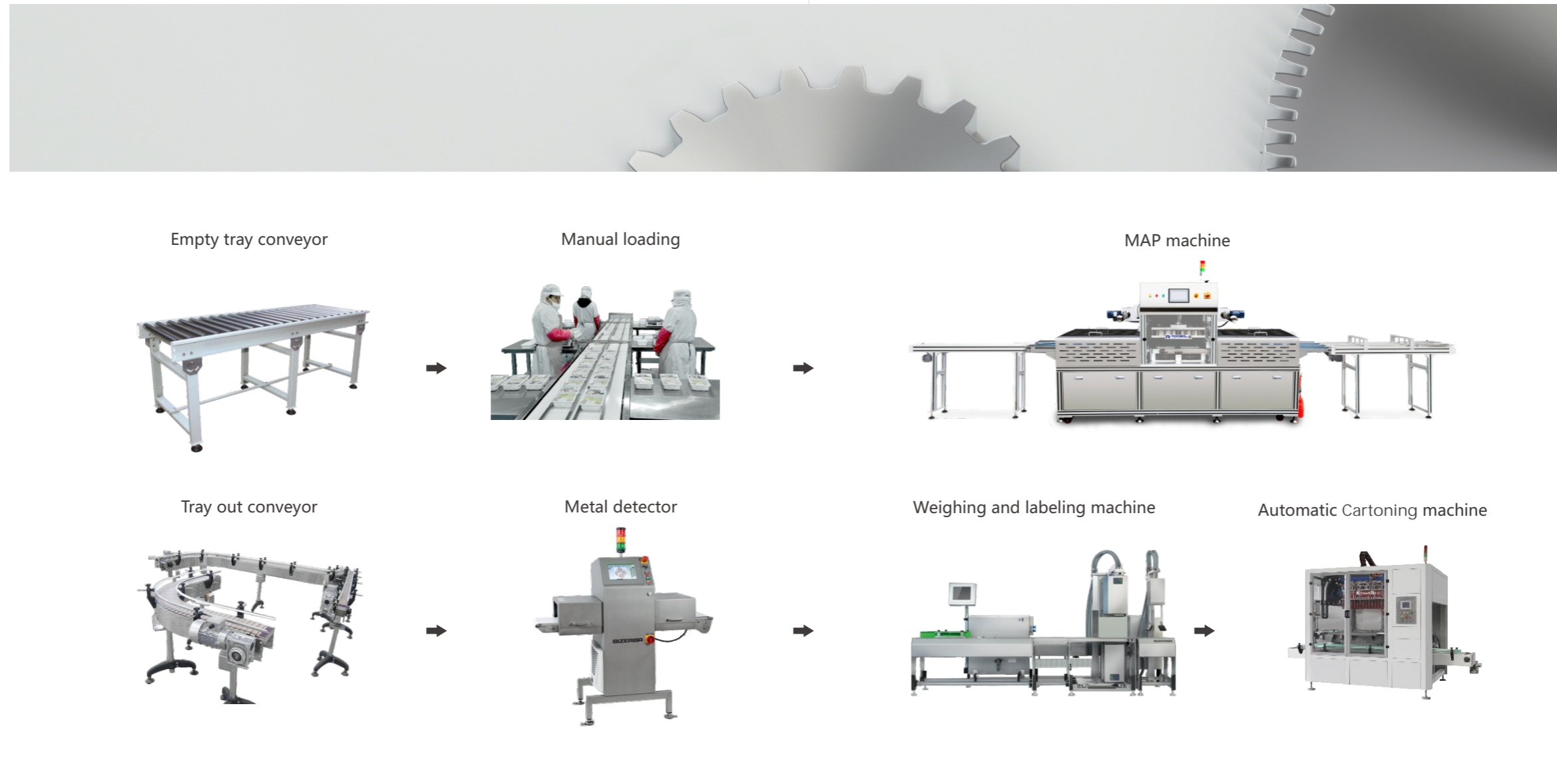
Metal detector



Weighing and labeling machine



Automatic Cartoning machine



RODBOL

罗迪波尔 PACKAGING EXPERT

Intelligent Packaging Equipment Manufacturer

Intelligent Packaging Solutions Integrator