

## g&d's customers in the world



Turkey



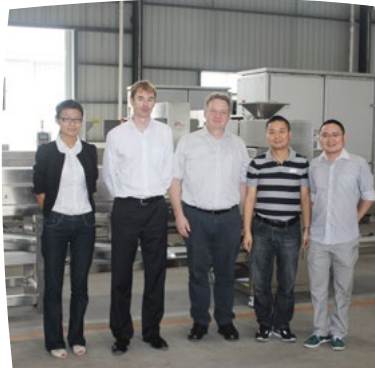
Hershey China



Saudi Arabia



USA



Nestle China



England



Korea



Portugal



Singapore

**g&d innovation,**  
is NOT only for chocolate machines.

**创新 · 不止于技术**

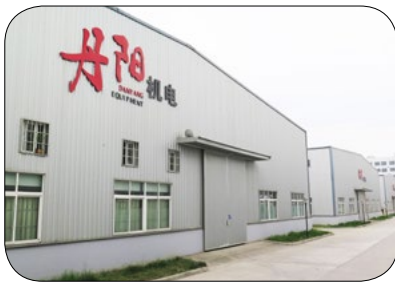
**g&d** is the solution provider for Nestle China, Hershey China, etc.

**g&d** owns the complete chocolate industry chain, including research & development factory, machine manufacturing factory, chocolate mold factory, chocolate IP research center & pilot factory etc.

# What can we offer?

- Advanced chocolate production technologies and reliable machines
- High quality chocolate mold and design
- Chocolate IP innovation and product pilot factory
- Excellent chocolate production solution

g&d has advanced chocolate industry chain factories as follows,



**Technology research and development factory**  
(Mianyang city, near Chengdu)



**Equipment manufacturing factory**  
(Ningbo city, near Shanghai)



**Chocolate mold manufacturing factory**  
(Ningbo city, near Shanghai)



**Chocolate IP innovation & pilot factory**  
(Mianyang city, near Chengdu)



## g&d's customers in the world



## Why us?

### Gain recognition by European users

The machine performance and quality of g&d have been gained recognition by European and American users, like Nestle China, Hershey China, England, Portugal and USA users etc., we make progress constantly by their machine requirements, users can also benefit a lot.

### Advanced technology and more modular machines

The advanced structure design and adaptive modular design of g&d have more value for chocolate lines. Now g&d owns 50 functional modules and nearly 300 production line combinations in one shot, decoration, max-mixture, coldpress and multi-function etc.

### Chocolate IP innovation

g&d has excellent chocolate IP team and chocolate industry chain, it helps users to realize multiple cases of successful products. Every year, it has new product IP and realization capacity.

### Excellent solution provider

g&d has successfully provided chocolate production solutions for Nestle China, it also has complete auto production solution for Kinder Cereals, Kitkat and other similar products etc.

### Complete chocolate industry chain

g&d has complete chocolate industry chains, it can provide users with complete equipment, product IP, mold design, production test and technical training etc.



## Why "HANDINESS" depositing is better?

Good heat preservation  
设备保温性能良好。

Depositing with high precision and long-term stability  
设备浇注精度高且长期保持稳定。

A substantial cost saving by the reduction of depositing machinery wear  
大幅降低浇注机磨损的更换成本。

Movement load  $\leq 5\text{Kg}$ , no need to configure with high-power servo motor  
运动负载不足 5kg，不再需要配置大功率伺服电机。



Energy consumption is substantially reduced, less than half of the European equipment.  
能耗大幅降低，不到欧洲设备的 50%。

Light, reliable and no shaking CNC depositing.  
数控浇注运行轻巧可靠无抖动。

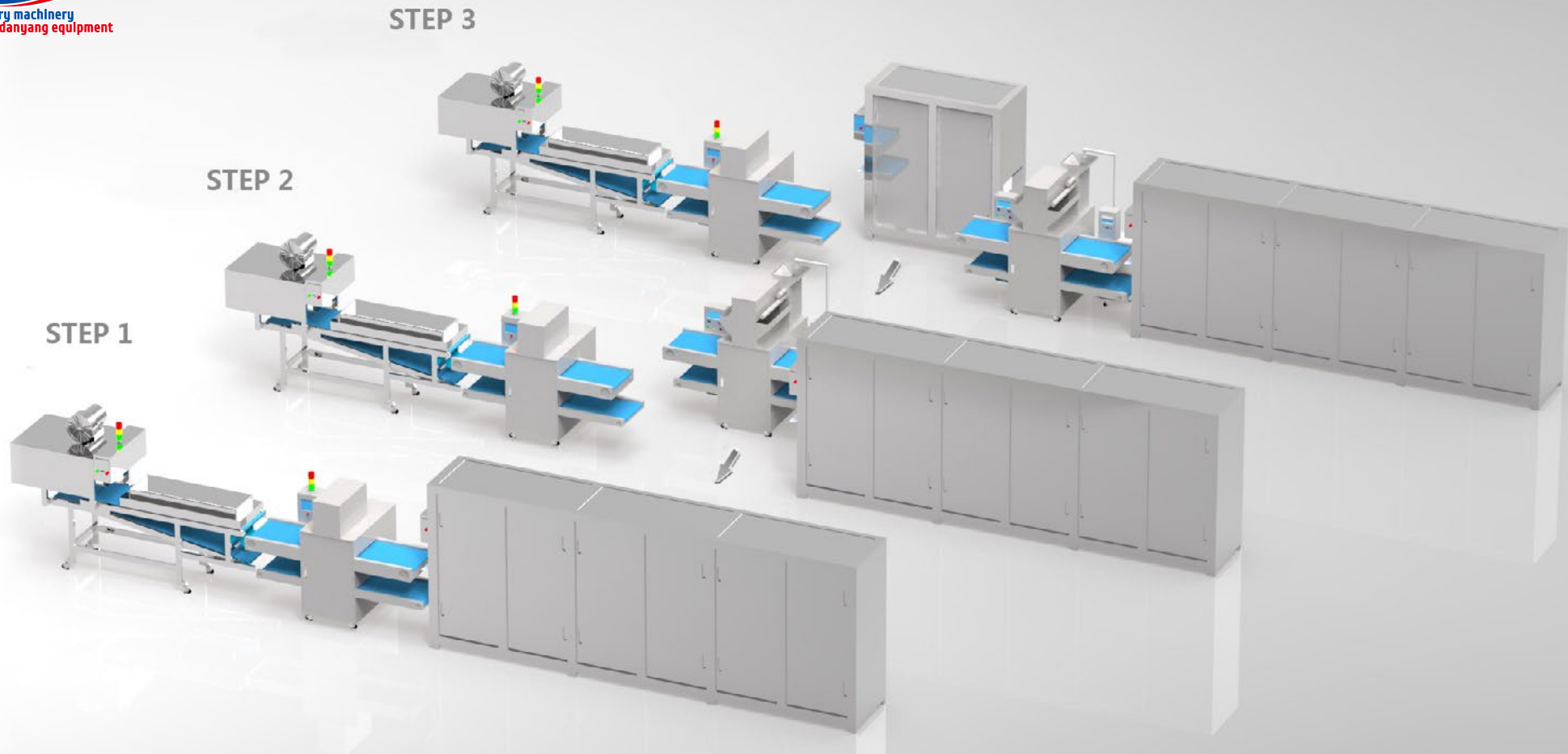


### "HANDINESS" CNC depositing Technology 轻巧型数控浇注技术

g&d is the inventor of the technology and patent owners.  
It can bring customers more value.

g&d 是这项技术的发明者和专利拥有者，  
这项技术给用户带来更多价值。

## Why g&d "FLEXIBLE" Modular Lines can save more?



### IT'S NOT ONLY SAVE A NEW LINE COST BUT ALSO HAVE MUCH MORE COMBINATIONS.

Modular design of g&d has obvious advantages as follows,

- Structure- Advanced structure design, flexible production line combination
- Module- 50 adaptive module machines with advanced functions
- Combination- production line with nearly 300 various combinations
- Energy consumption- 50% of energy consumption compared with similar equipment
- Space- Save more than 50% workshop area compared with similar equipment
- Intelligent-Single machine can be run independently or cooperatively.

### g&d 的模块化技术让生产线优势明显

- 【架构】架构设计先进，生产线功能组合灵活；
- 【模块】50 款功能先进的自适应模块设备；
- 【组合】近 300 条不同功能的生产线组合；
- 【能耗】能耗比同类设备大幅降低 50%；
- 【占地】设备占地仅为同类设备的 1/2；
- 【智能】单机既独立又协作的智能运行。

## How many“SELF-ADAPTION” Function Modules does g&d have?

Now g&d has 50 Function Modules and developing every year.



**Demolding & Pre-heating  
Machine(Vacuum)**  
真空烘模脱模机



**Demolding & Pre-heating  
Machine(Rapping)**  
敲模烘模脱模机



**Multi-function Demolding  
Machine**  
多功能脱模机



**Large Demolding Machine**  
大型脱模机



**Numerical Depositor(Vertical)**  
立式数控浇注机



**Numerical  
Depositor(Horizontal)**  
卧式数控浇注机



**Max-Mixture Depositor**  
混合浇注机



**Mixture System**  
混合系统



**Cold-pressing Machine**  
冷压制壳机



**Aerating Depositor**  
充气浇注机



**Stick-placing  
Machine(horizontal)**  
平放棒机



**Stick-placing Machine(vertical)**  
竖插棒机



**Nuts-feeding Machine**  
整粒投放机



**Biscuit-feeding Machine**  
插饼机



**Vibration Machine**  
振摆机



**Pre-cooling or Pre-heating  
Tunnel**  
40 烘模柜



**Final Cooling Tunnel(SD-252)**  
大冷柜 SD-252



**Final Cooling Tunnel(LSD 2\*132)**  
大冷柜 (LSD 2\*132)



## A Chocolate One Shot Production Line

巧克力数控夹心生产线



One Shot Line(500kg/h)	【Type:OS1】——P.8
One Shot Line(Putting nuts)	【Type:OS2】——P.9
One Shot Line(Closing mold)	【Type:OS3】——P.10
One Shot Line(1000kg/h)	【Type:OS4】——P.11

## B Chocolate Decoration Production Line

巧克力裱花生产线



Decoration Line(3 colors)	【Type:DR1】——P.12
Decoration Line( Lollipop)	【Type:DR2】——P.13
Decoration Line(With Biscuit)	【Type:DR3】——P.14
Decoration Line(5 colors)	【Type:DR4】——P.15

## C Chocolate Max-Mixture Production Line

巧克力大混合生产线



Max-mixture Line(250kg/h)	【Type:MT1】——P.16
Max-mixture Line(500kg/h )	【Type:MT2】——P.17

## D Chocolate Cold-pressing & Mixture Production Line

巧克力冷压生产线



Cold-pressing Line(Sprinkling crushed nuts)	【Type:CP1】——P.18
Cold-pressing Line(Mixing cereals)	【Type:CP2】——P.19
( 费列罗康脆麦 )	

## E Chocolate Multi-function Production Line

巧克力多功能生产线



Multi-function Line(2 functions)	【Type:MF1】——P.20
Multi-function Line(3 functions)	【Type:MF2】——P.21
Multi-function Line(3 functions)	【Type:MF3】——P.22
Multi-function Line(4 functions)	【Type:MF4】——P.23
Multi-function Line(5 functions )	【Type:MF5】——P.24
Multi-function Line(6 functions)	【Type:MF6】——P.25
Multi-function Line(Kitkat)	【Type:MF7】——P.26( 奇巧 )
Multi-function Line(Biscuit Filling)	【Type:MF8】——P.27( 饼干夹芯 )

## F Chocolate Mushroom Production Line

巧克力蘑菇饼干 & 裱花饼干棒生产线



Mushroom Chocolate Line(1 color)	【Type:MR1】——P.28( 单色蘑菇力 )
Mushroom Chocolate Line(2 colors)	【Type:MR2】——P.29( 双色或喷花蘑菇力 )
Decoration & Biscuit Lollipop Line(3 colors)	【Type: DB1】——P.30( 卡通三色 )
Decoration & Biscuit Lollipop Line(5 colors)	【Type: DB2】——P.31( 卡通五色 )

## G Functional Single Machine

功能单机

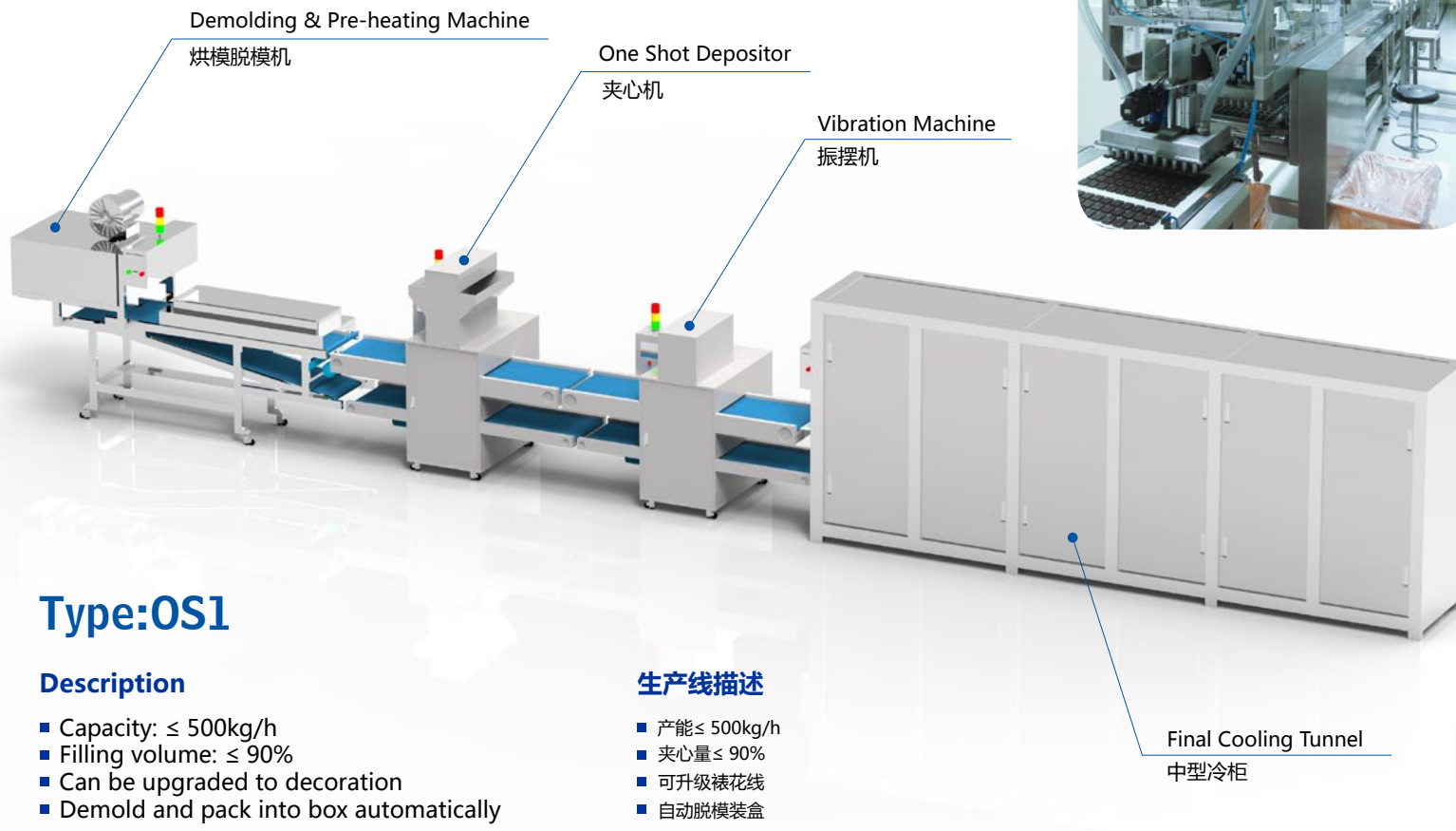
Vacuum Demolding & Pre-heating Machine	【Type:STH-450A】—— P.32
Rapping Demolding & Pre-heating Machine	【Type:STH-450B】—— P.32
Multi-function Demolding Machine	【Type:DTM-450】—— P.33
Large Demolding Machine	【Type:DTM-3*8】—— P.33
One Shot Depositor/Decoration Depositor	【Type:SJ-48QB】—— P.34
One Shot Depositor/Decoration Depositor	【Type:SJ-48QC】—— P.34
Max-Mixture Depositor	【Type:HJ-18QB】—— P.35
Mixture System	【Type:LH-200B】—— P.35
Cold-pressing Machine	【Type:ZK-450B】—— P.36
Aerating Depositor	【Type:CJ-450B】—— P.36
Nuts-feeding Machine	【Type:TZ-450B/TL】—— P.37
Biscuit-feeding Machine	【Type:TZ-450B/TB】—— P.37
Stick-placing Machine(horizontally)	【Type:TZ-450B/PF】—— P.38
Stick-placing Machine(vertically)	【Type:TZ-450B/SC】—— P.38
Pre-cooling or Pre-heating Tunnel	【Type: SD-40A、 LSD-2*18A】——P.39
Final Cooling Tunnel	【Type:SD-252A 、 LSD-2*132A 】——P.39



# One Shot Line (500kg/h)

巧克力数控夹心生产线

ONE SHOT  
LINE  
SERIES



## Type:OS1

### Description

- Capacity:  $\leq 500\text{kg/h}$
- Filling volume:  $\leq 90\%$
- Can be upgraded to decoration
- Demold and pack into box automatically

### 生产线描述

- 产能  $\leq 500\text{kg/h}$
- 夹心量  $\leq 90\%$
- 可升级裱花线
- 自动脱模装盒

Parameter of One Shot line 夹心生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
OS1	6-12 moulds/min(based on mould layout)	350 pcs	32.5 Kw	$\geq 15\text{ T}$	12.9m* 1.3m* 2.4m

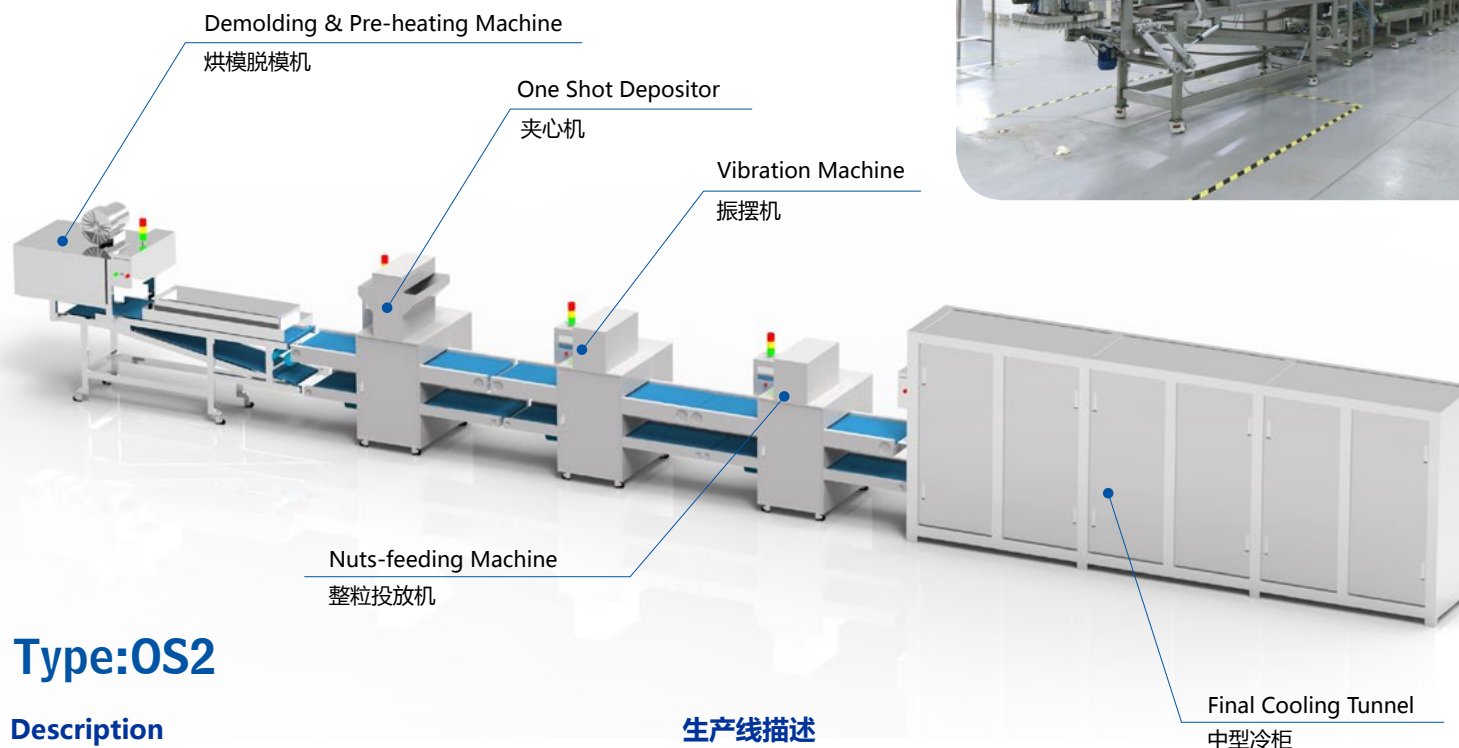


# One Shot Line (Putting nuts)

巧克力数控夹心坚果投放生产线



## ONE SHOT LINE SERIES



## Type:OS2

### Description

- Capacity:  $\leq 500\text{kg/h}$
- Filling volume:  $\leq 90\%$
- Nuts-feeding or other functions
- Can be upgraded to decoration
- Demold and pack into box automatically

### 生产线描述

- 产能  $\leq 500\text{kg/h}$
- 夹心量  $\leq 90\%$
- 杏仁投放功能或其他功能
- 升级裱花
- 自动脱模装盒

Parameter of One Shot line 夹心生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
OS2	6-12 moulds/min(based on mould layout)	350 pcs	34 Kw	$\geq 15\text{ T}$	14.4m* 1.3m* 2.4m

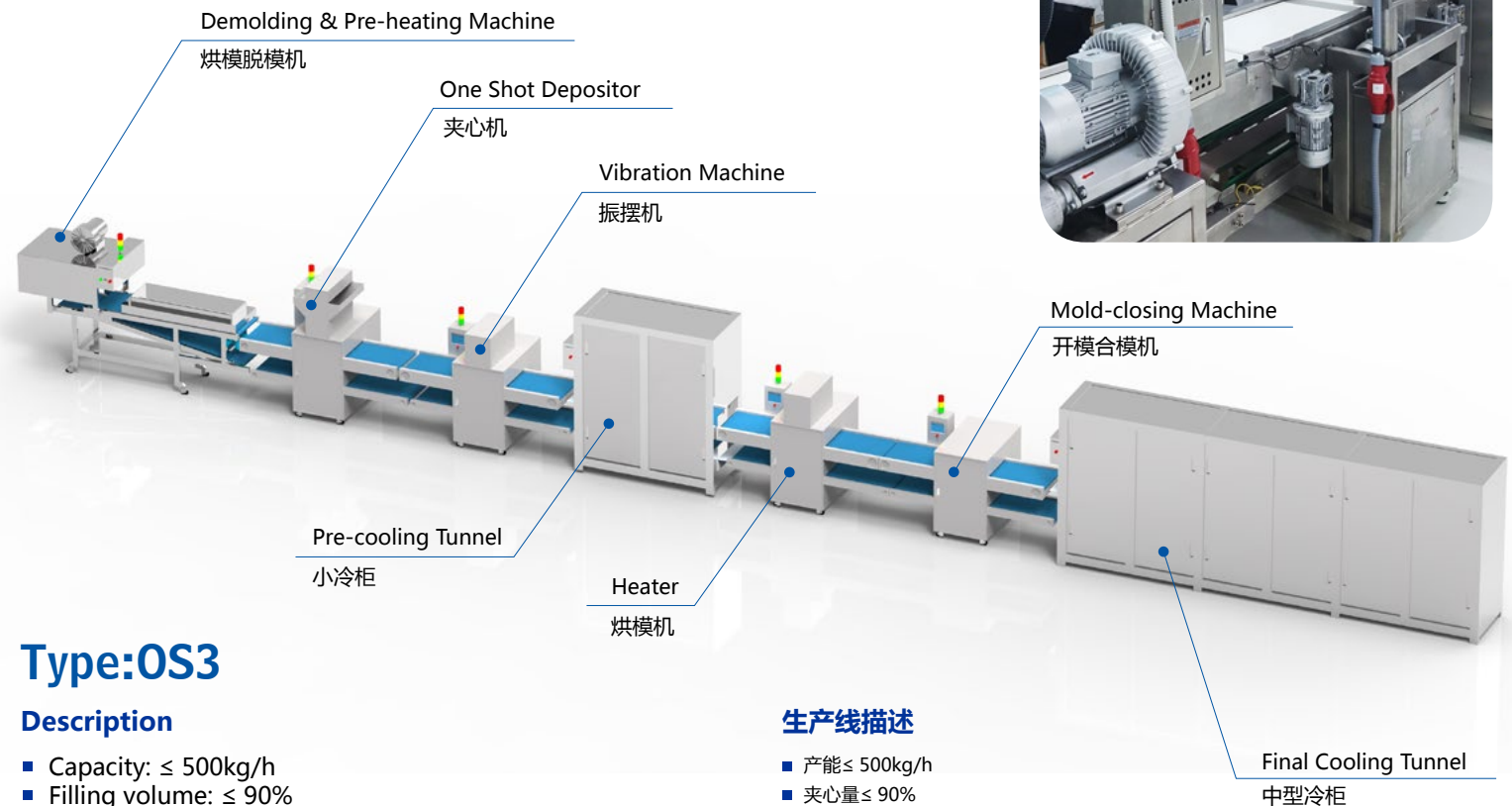


## ONE SHOT LINE SERIES



# One Shot Line (Closing mold)

巧克力夹心合模生产线



## Type:OS3

### Description

- Capacity:  $\leq 500\text{kg/h}$
- Filling volume:  $\leq 90\%$
- Closing mold function(complete 3D one shot chocolate)
- Can be upgraded to decoration
- Demold and pack into box automatically

### 生产线描述

- 产能 $\leq 500\text{kg/h}$
- 夹心量 $\leq 90\%$
- 合模功能(完整的立体夹心)
- 可升级裱花
- 自动脱模装盒

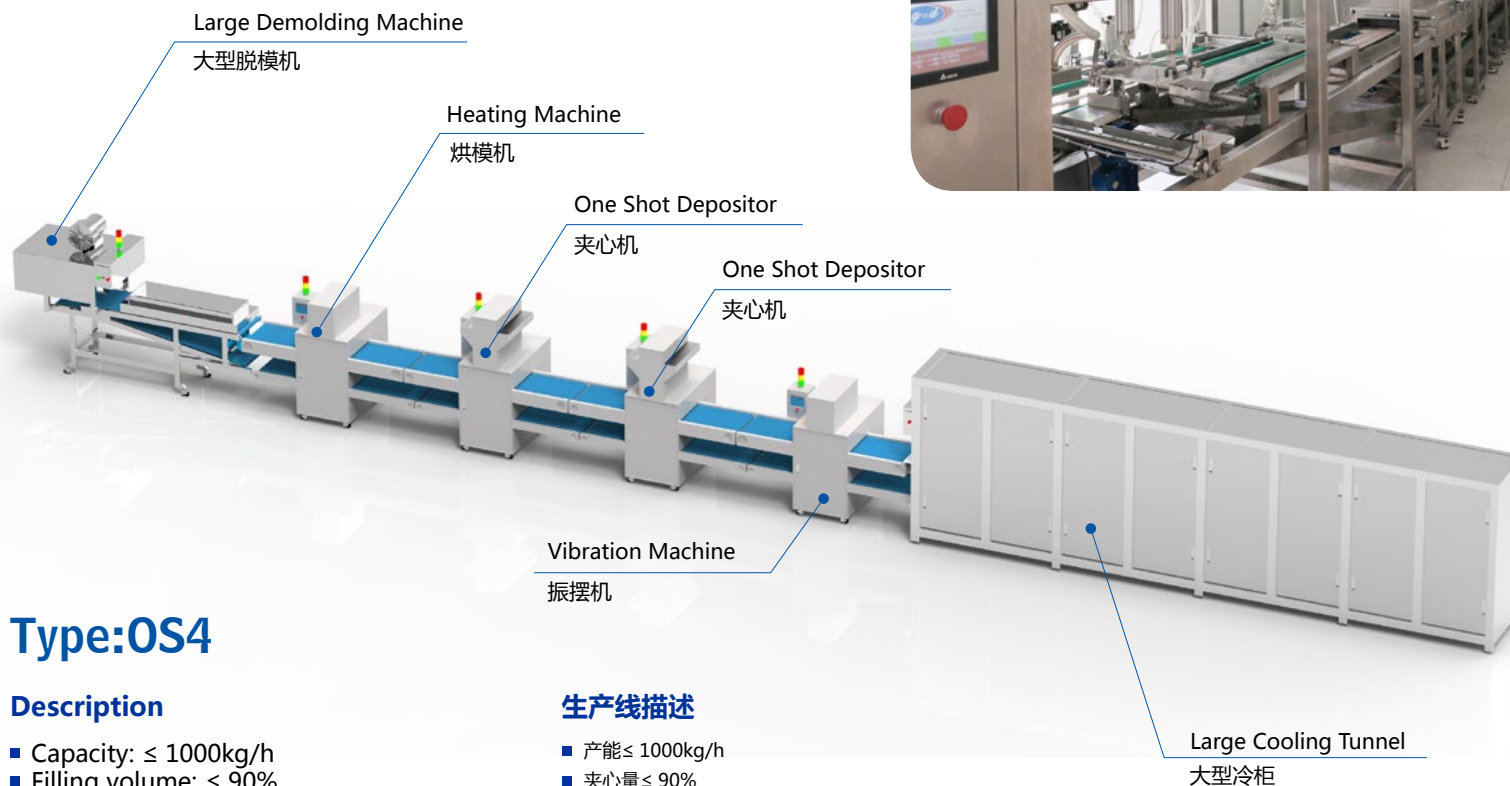
Parameter of One Shot line 夹心生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
OS3	3-6 moulds/min(based on mould layout)	400 pcs	40.0 Kw	$\geq 15\text{ T}$	18.3m* 1.3m* 2.4m

# One Shot Line (1000kg/h)

巧克力大型夹心生产线



## ONE SHOT LINE SERIES



## Type:OS4

### Description

- Capacity:  $\leq 1000\text{kg/h}$
- Filling volume:  $\leq 90\%$
- Can be upgraded to decoration
- Demold and pack into box automatically

### 生产线描述

- 产能  $\leq 1000\text{kg/h}$
- 夹心量  $\leq 90\%$
- 可升级裱花
- 自动脱模装盒

Parameter of One Shot line 夹心生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
OS4	12-20 moulds/min(based on mould layout)	600 pcs	41.0 Kw	$\geq 15\text{ T}$	17.9m* 1.3m* 2.4m



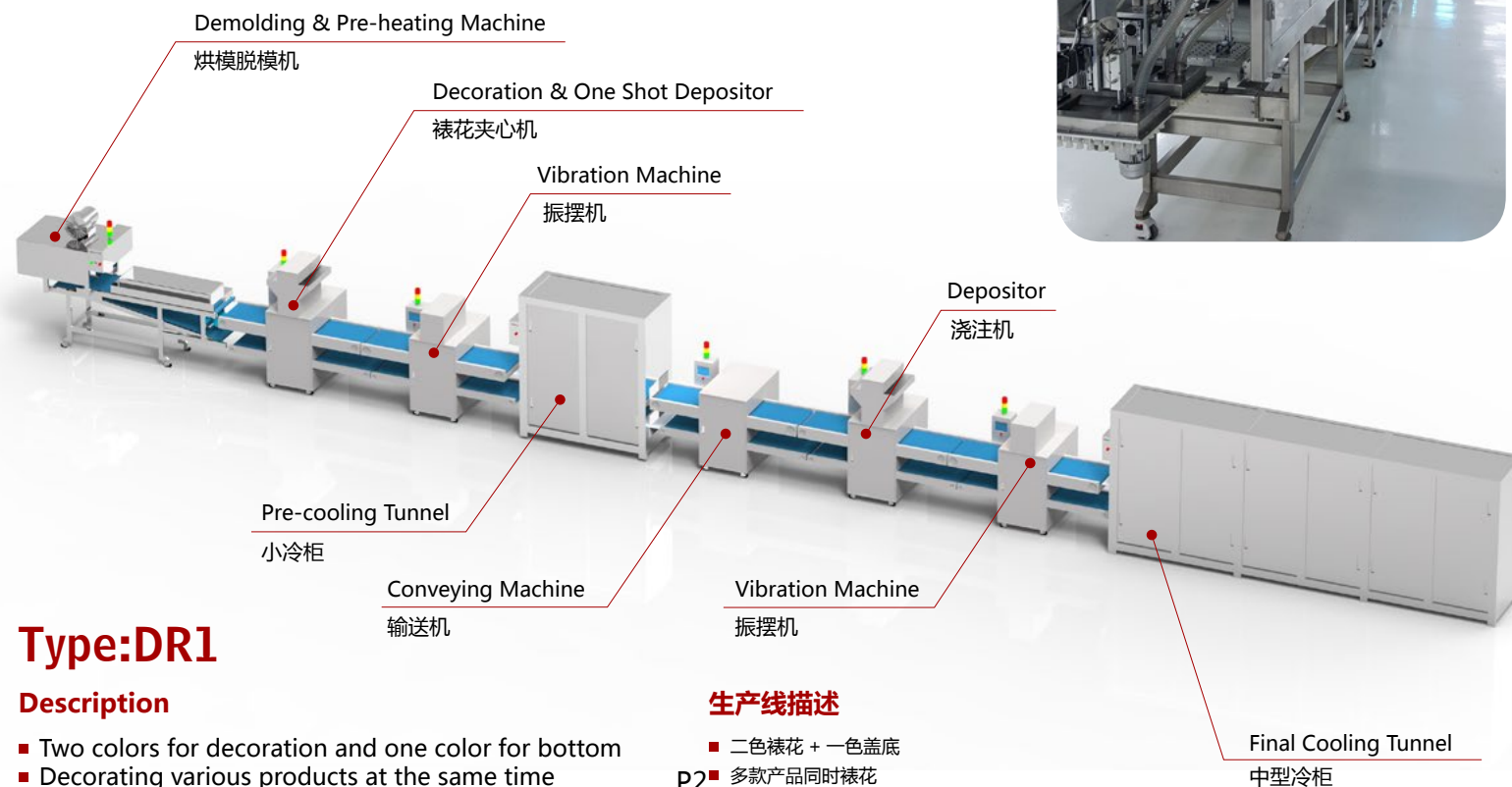


## DECORATION LINE SERIES



## Decoration Line (3 colors)

### 巧克力三色裱花生产线



## Type:DR1

### Description

- Two colors for decoration and one color for bottom
- Decorating various products at the same time
- Decorating precision: 0.05g to 0.1g
- Quick change to one shot
- Demold and pack into box automatically

### 生产线描述

- 二色裱花 + 一色盖底
- 多款产品同时裱花
- 裱花精度 0.05g-0.1g
- 轻松实现夹心切换
- 自动脱模装盒功能

### Parameter of Decoration line 裱花生产线参数

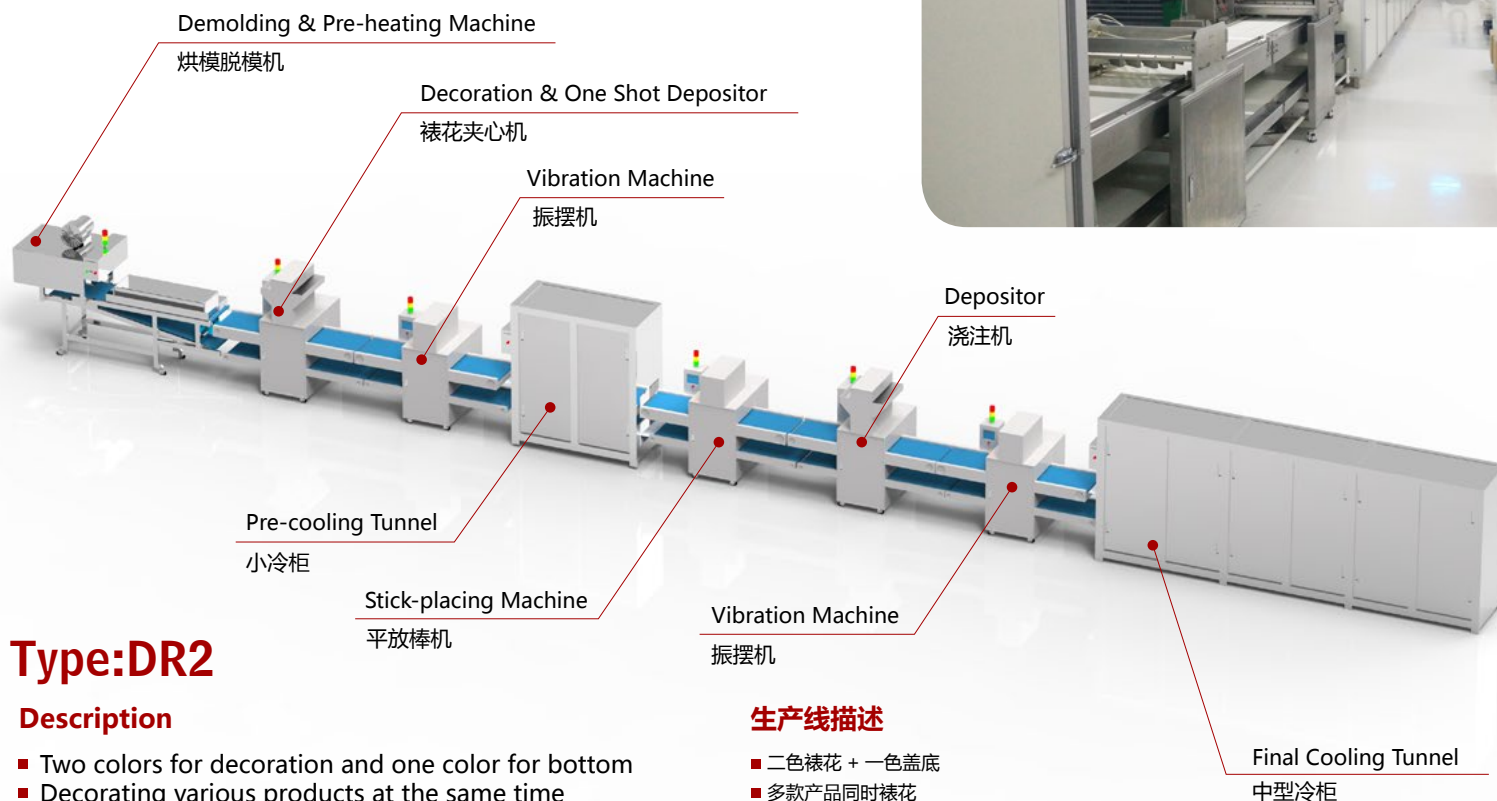
Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
DR1	6-12 moulds/min(based on mould layout)	400 pcs	47.0 Kw	≥ 15 T	19.7m* 1.3m* 2.4m

**DECORATION  
LINE  
SERIES**



# **Decoration Line ( Lollipop)**

## 巧克力三色裱花棒生产线



## **Type:DR2**

### **Description**

- Two colors for decoration and one color for bottom
- Decorating various products at the same time
- Decorating precision: 0.05g to 0.1g
- Quick change to one shot
- Demold and pack into box automatically

### **生产线描述**

- 二色裱花 + 一色盖底
- 多款产品同时裱花
- 裱花精度 0.05g-0.1g
- 轻松实现夹心切换
- 自动脱模装盒功能

### **Parameter of Decoration line 裱花生产线参数**

Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
DR2	6-12 moulds/min(based on mould layout)	400 pcs	47.5 Kw	≥ 15 T	19.7m* 1.3m* 2.4m

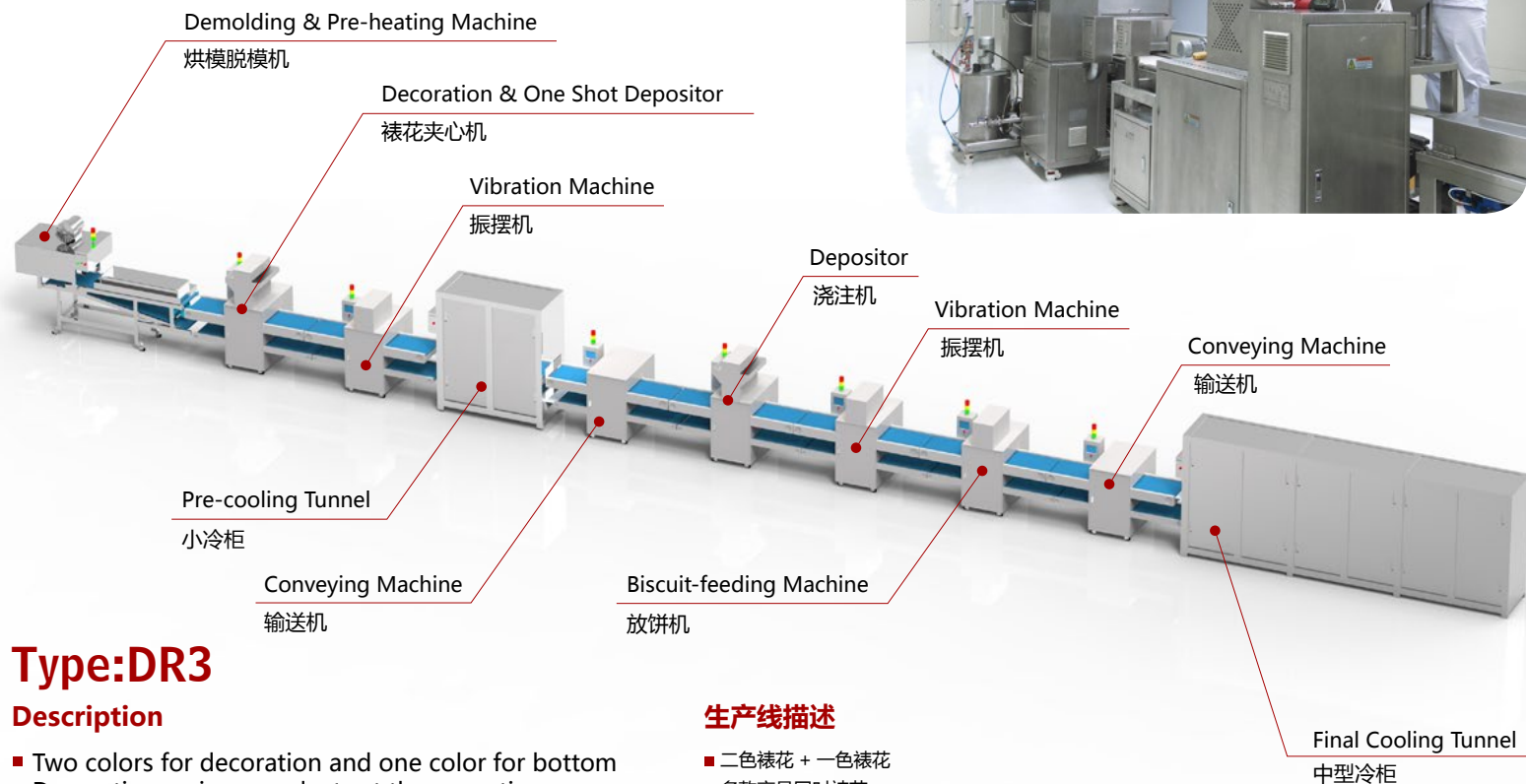


## DECORATION LINE SERIES



# Decoration Line ( With Biscuit )

## 巧克力三色裱花饼干生产线



### Type:DR3

#### Description

- Two colors for decoration and one color for bottom
- Decorating various products at the same time
- Decorating precision: 0.05g to 0.1g
- Quick change to one shot
- Biscuit-feeding or other functions
- Demold and pack into box automatically

#### 生产线描述

- 二色裱花 + 一色裱花
- 多款产品同时裱花
- 裱花精度 0.05g-0.1g
- 轻松实现夹心切换
- 饼干投放功能或其他功能
- 自动脱模装盒功能

#### Parameter of Decoration line 裱花生产线参数

Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
DR3	6-12 moulds/min(based on mould layout)	400 pcs	48.5 Kw	≥ 15 T	22.7m* 1.3m* 2.4m

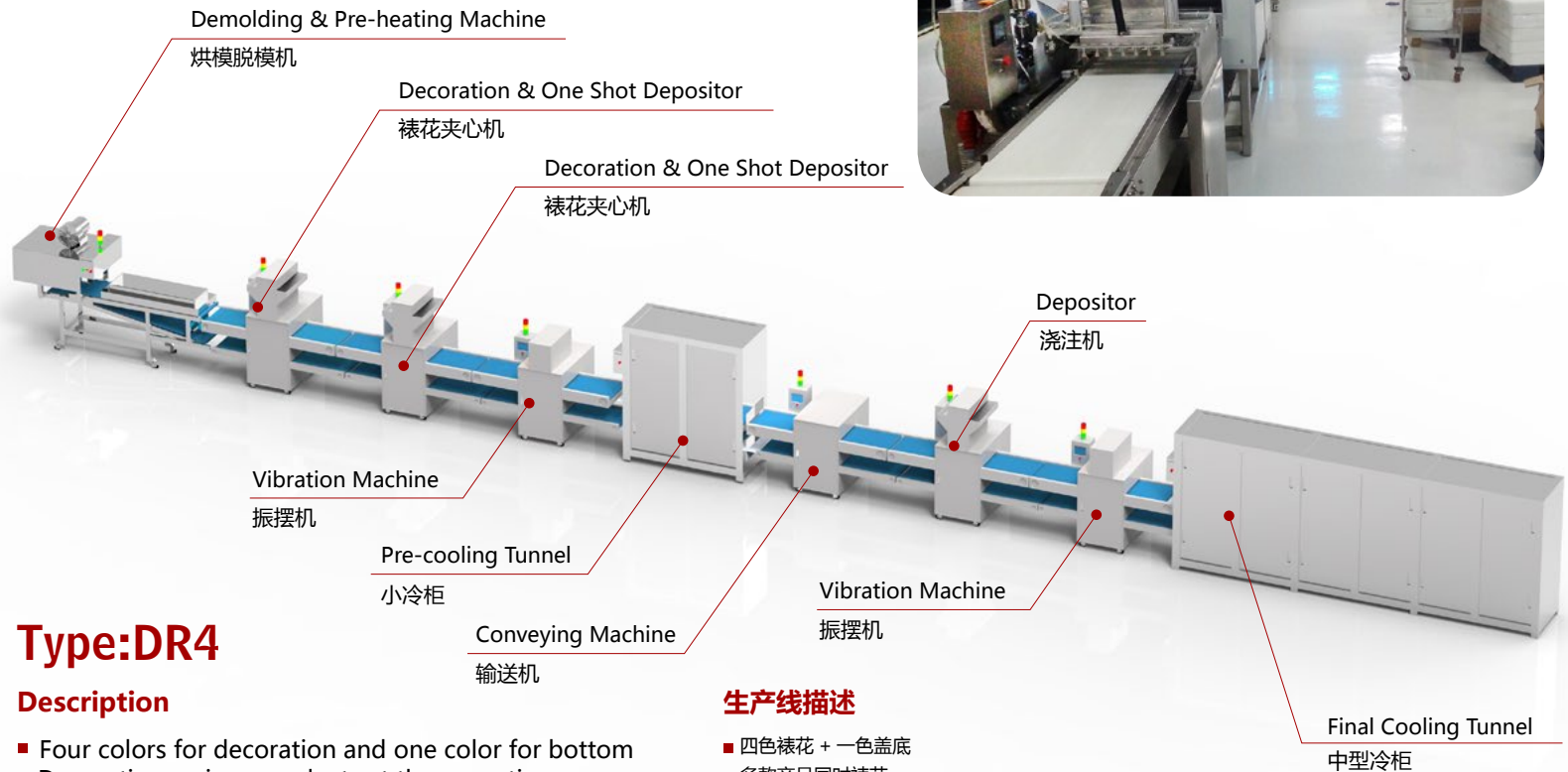


**DECORATION  
LINE  
SERIES**



## Decoration Line (5 colors)

### 巧克力五色裱花生产线



## Type:DR4

### Description

- Four colors for decoration and one color for bottom
- Decorating various products at the same time
- Decorating precision: 0.05g to 0.1g
- Quick change to one shot
- Demold and pack into box automatically

### 生产线描述

- 四色裱花 + 一色盖底
- 多款产品同时裱花
- 裱花精度 0.05g-0.1g
- 轻松实现夹心切换
- 自动脱模装盒

### Parameter of Decoration line 裱花生产线参数

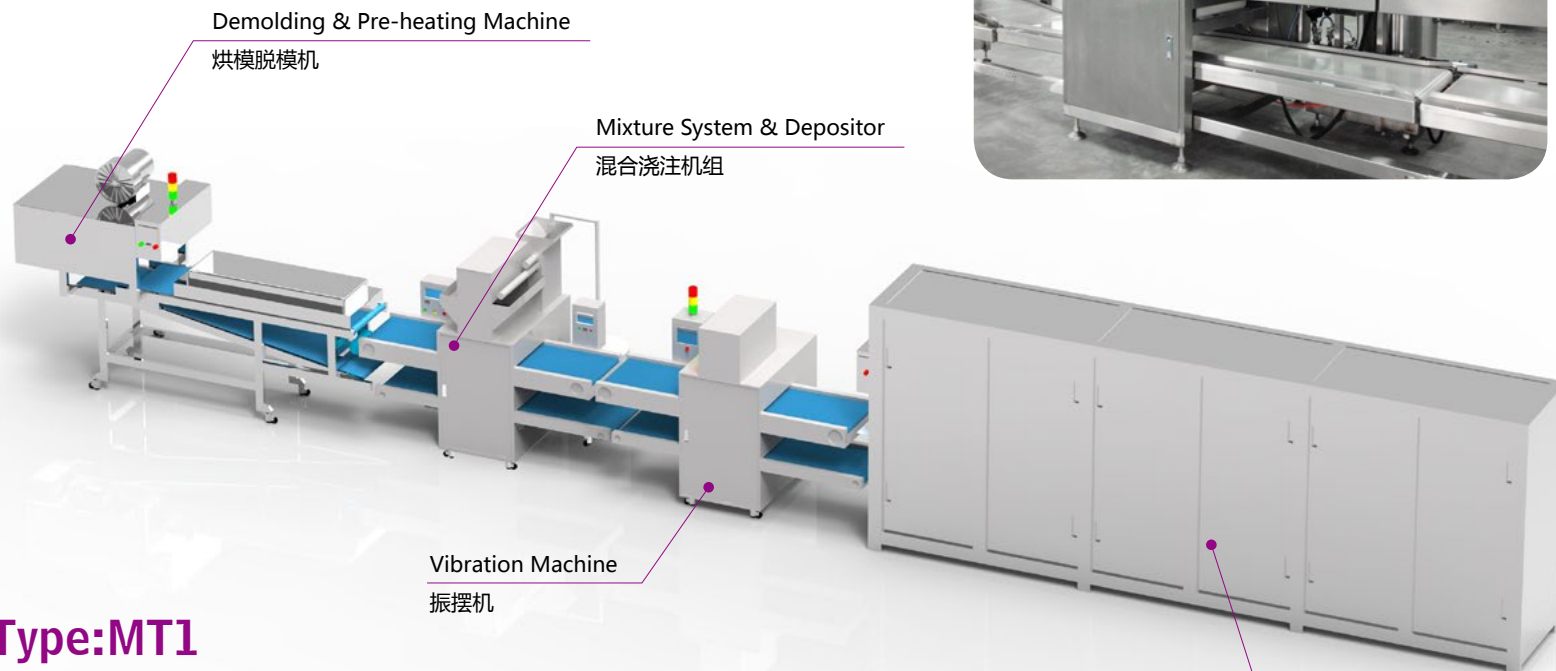
Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
DR4	6-12 moulds/min(based on mould layout)	400 pcs	48.5 Kw	≥ 15 T	21.2m* 1.3m* 2.4m

# Max-mixture Line (250kg/h)

巧克力颗粒大混合浇注生产线



## MAX-MIXTURE LINE SERIES



## Type:MT1

### Description

- Capacity:  $\leq 250\text{kg/h}$
- Mixture materials include: crushed nuts, crispy rice, dried fruit etc.
- Mixture proportion and add materials automatically
- Depositing precision:  $\leq \pm 0.5\text{g}$  (under 10g for crushed nuts)
- Rice chocolate can float in water
- Demold and pack into box automatically

### 生产线描述

- 产能  $\leq 250\text{kg/h}$
- 适应多种坚果颗粒或脆米
- 混合自动配比、添加
- 混合浇注精度  $\leq \pm 0.5\text{g}$  (10g 以下, 坚果颗粒)
- 脆米混合巧克力能浮于水
- 自动脱模装盒功能

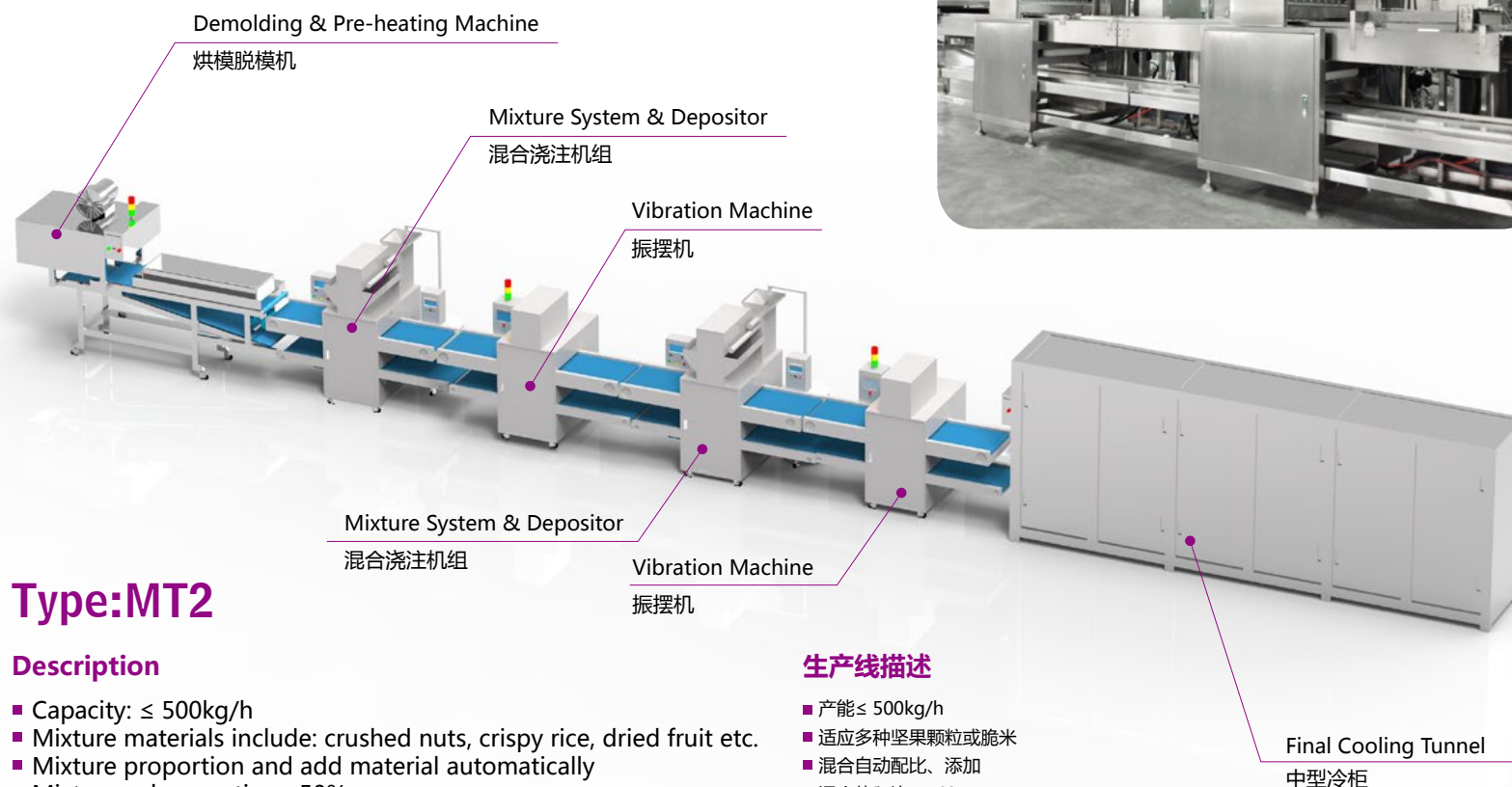
Parameter of Max-mixture line 巧克力大混合生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
MT1	3-6 moulds/min(based on mould layout)	350 pcs	34.0 Kw	$\geq 15\text{ T}$	12.9m* 1.3m* 2.4m

**MAX-MIXTURE  
LINE  
SERIES**



# Max-mixture Line (500kg/h)

## 巧克力颗粒大混合浇注生产线



## Type:MT2

### Description

- Capacity:  $\leq 500\text{kg/h}$
- Mixture materials include: crushed nuts, crispy rice, dried fruit etc.
- Mixture proportion and add material automatically
- Mixture volume ratio:  $\leq 50\%$
- Depositing precision:  $\leq \pm 0.5\text{g}$  (under 10g for crushed nuts)
- Rice chocolate can float in water
- Demold and pack into box automatically

### 生产线描述

- 产能  $\leq 500\text{kg/h}$
- 适应多种坚果颗粒或脆米
- 混合自动配比、添加
- 混合体积比  $\leq 50\%$
- 混合浇注精度  $\leq \pm 0.5\text{g}$  (10g 以下, 坚果颗粒)
- 脆米混合巧克力能浮于水
- 自动脱模装盒功能

### Parameter of Max-mixture line 巧克力大混合生产线参数

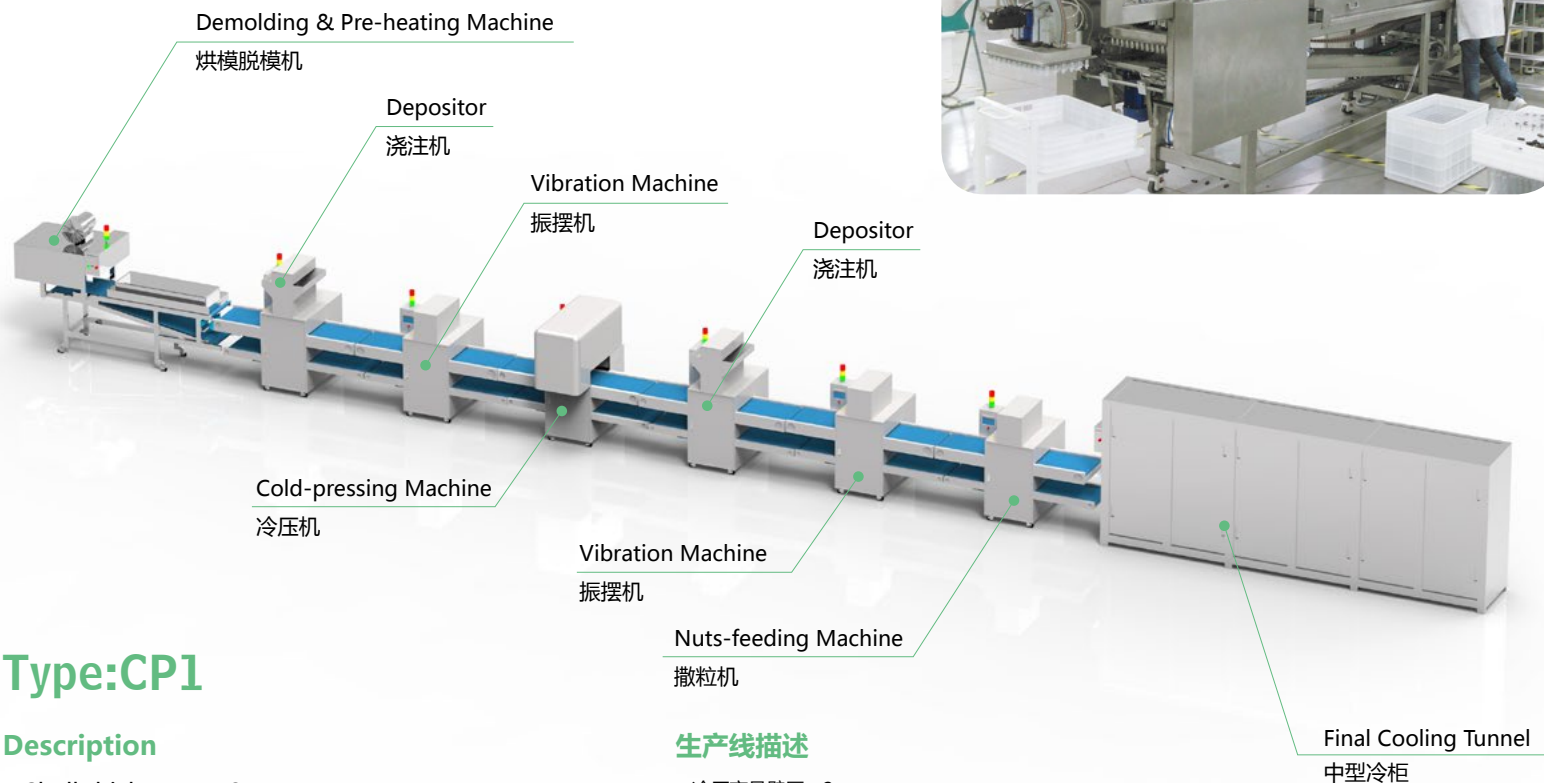
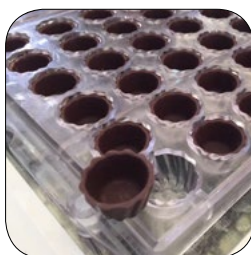
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MT2	6-12 moulds/min(based on mould layout)	350 pcs	44.0 Kw	$\geq 15\text{ T}$	15.9m* 1.3m* 2.4m



# Cold-pressing Line (Sprinkling crushed nuts)

巧克力冷压制壳生产线

**COLD  
-PRESSING  
LINE SERIES**



## Type:CP1

### Description

- Shell thickness:  $\leq 2\text{mm}$
- Integration design of refrigerating and shell-making
- Sprinkling or other functions
- Demold and pack into box automatically

### 生产线描述

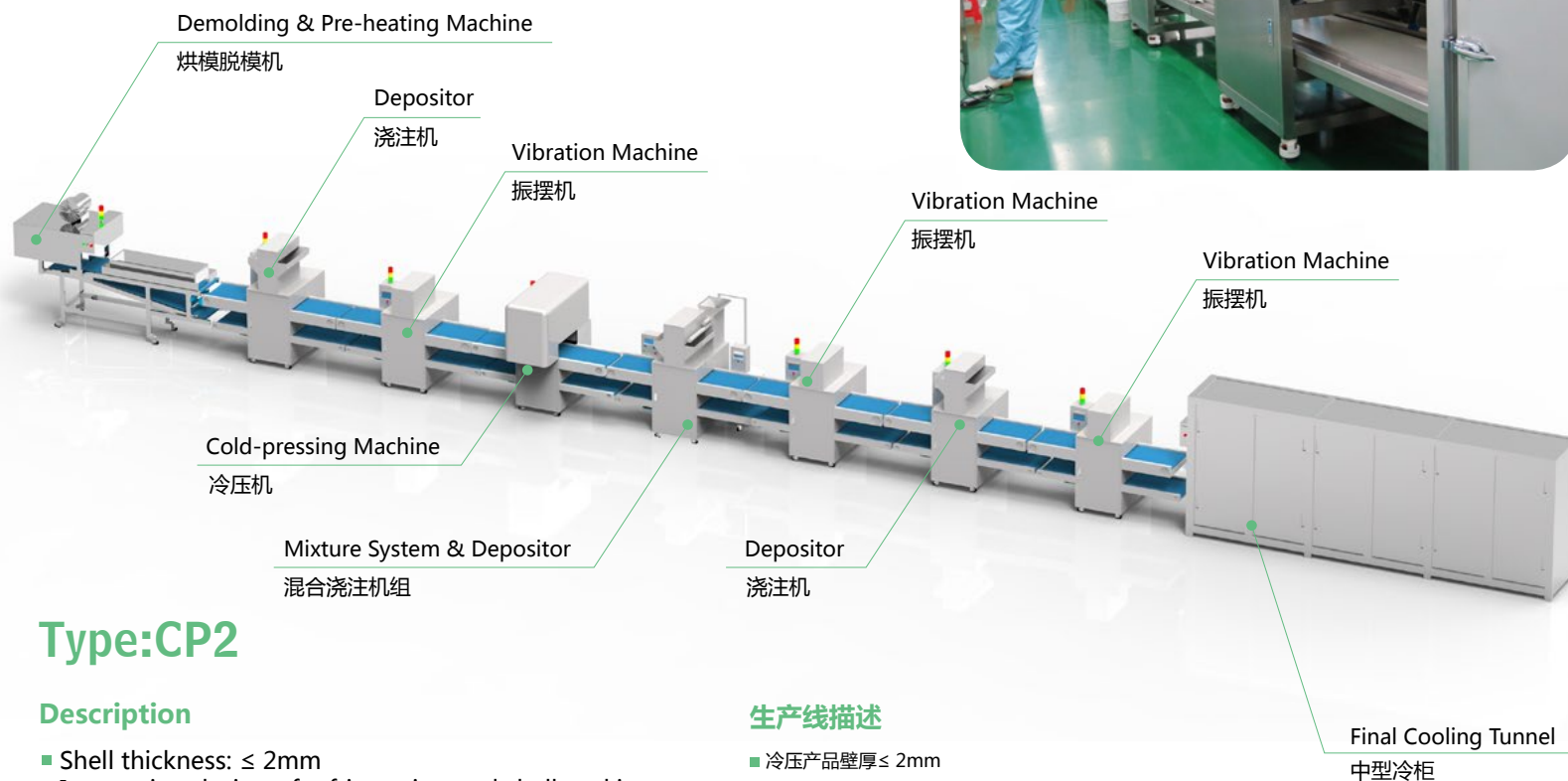
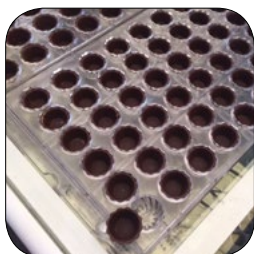
- 冷压产品壁厚  $\leq 2\text{mm}$
- 制冷压壳一体化设计
- 撒粒功能或其他功能
- 自动脱模装盒功能

Parameter of Cold-pressing line 巧克力大混合生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
CP1	6-12 moulds/min(based on mould layout)	350 pcs	48.5 Kw	$\geq 15\text{ T}$	18.9m* 1.3m* 2.4m

# Cold-pressing Line (Mixing cereals)

## 巧克力谷物混合冷压生产线

### COLD -PRESSING LINE SERIES



### Type:CP2

#### Description

- Shell thickness:  $\leq 2\text{mm}$
- Integration design of refrigerating and shell-making
- Mixture proportion and add material automatically
- Mixture volume ratio:  $\leq 50\%$
- Demold and pack into box automatically

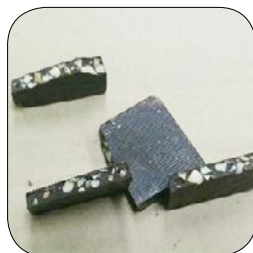
#### 生产线描述

- 冷压产品壁厚  $\leq 2\text{mm}$
- 制冷压壳一体化设计
- 自动混合配比、添加
- 混合体积比  $\leq 50\%$
- 自动脱模装盒功能

Parameter of Cold-pressing line 巧克力大混合生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
CP2	3-12 moulds/min(based on mould layout)	350 pcs	57.5 Kw	$\geq 15\text{ T}$	20.4m* 1.3m* 2.4m

## Multi-function Line (2 functions)

巧克力多功能生产线



Mixture



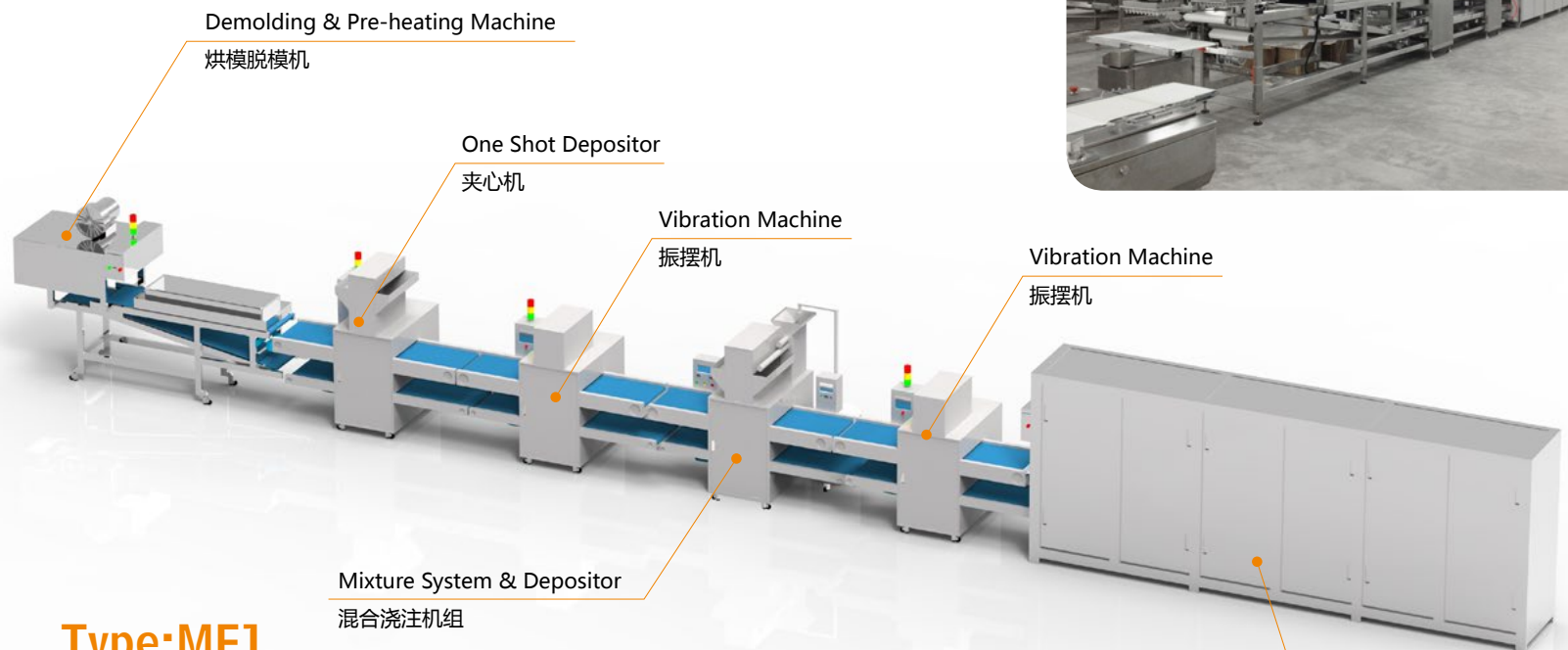
Mixture



One shot



One shot



### Type:MF1

#### Description

- One shot and Max-Mixture function
  - a. One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
  - b. Max-Mixture  
Capacity:  $\leq 250\text{kg/h}$ , mixture volume ratio:  $\leq 50\%$
- Demold and pack into box automatically

#### 生产线描述

- 具备夹心和混合功能
  - a. 夹心 One Shot  
产能  $\leq 500\text{kg/h}$ , 夹心量  $\leq 90\%$
  - b. 混合 Max-Mixture  
产能  $\leq 250\text{kg/h}$ , 混合体积比  $\leq 50\%$
- 自动脱模装盒功能

Parameter of Multi-function line 巧克力多功能生产线参数

Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MF1	3-12 moulds/min(based on mould layout)	350 pcs	42.5 Kw	$\geq 15\text{ T}$	15.9m* 1.3m* 2.4m



## Multi-function Line (3 functions)

### 巧克力多功能生产线



Mixture



One shot



One shot  
& mixture



Mixture  
& one shot



## Type:MF2

### Description

- One shot and Max-Mixture function
  - a. One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
  - b. Max-Mixture  
Capacity:  $\leq 250\text{kg/h}$ , mixture volume ratio:  $\leq 50\%$
  - c. One shot & Max-Mixture:  
Two molding technology combination
- Demold and pack into box automatically

### 生产线描述

- 具备三项功能的生产线
  - a. 夹心: One Shot  
产能  $\leq 500\text{kg/h}$ , 夹心量  $\leq 90\%$
  - b. 混合: Max-Mixture  
产能  $\leq 250\text{kg/h}$ , 混合体积比  $\leq 50\%$
  - c. 夹心 + 混合:  
结合二种成型技术的巧克力产品
- 自动脱模装盒功能

Parameter of Multi-function line 巧克力多功能生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MF2	3-12 moulds/min(based on mould layout)	400 pcs	49.0 Kw	$\geq 15\text{ T}$	19.7m* 1.3m* 2.4m

## Multi-function Line (3 functions)

### 巧克力多功能生产线



One-shot



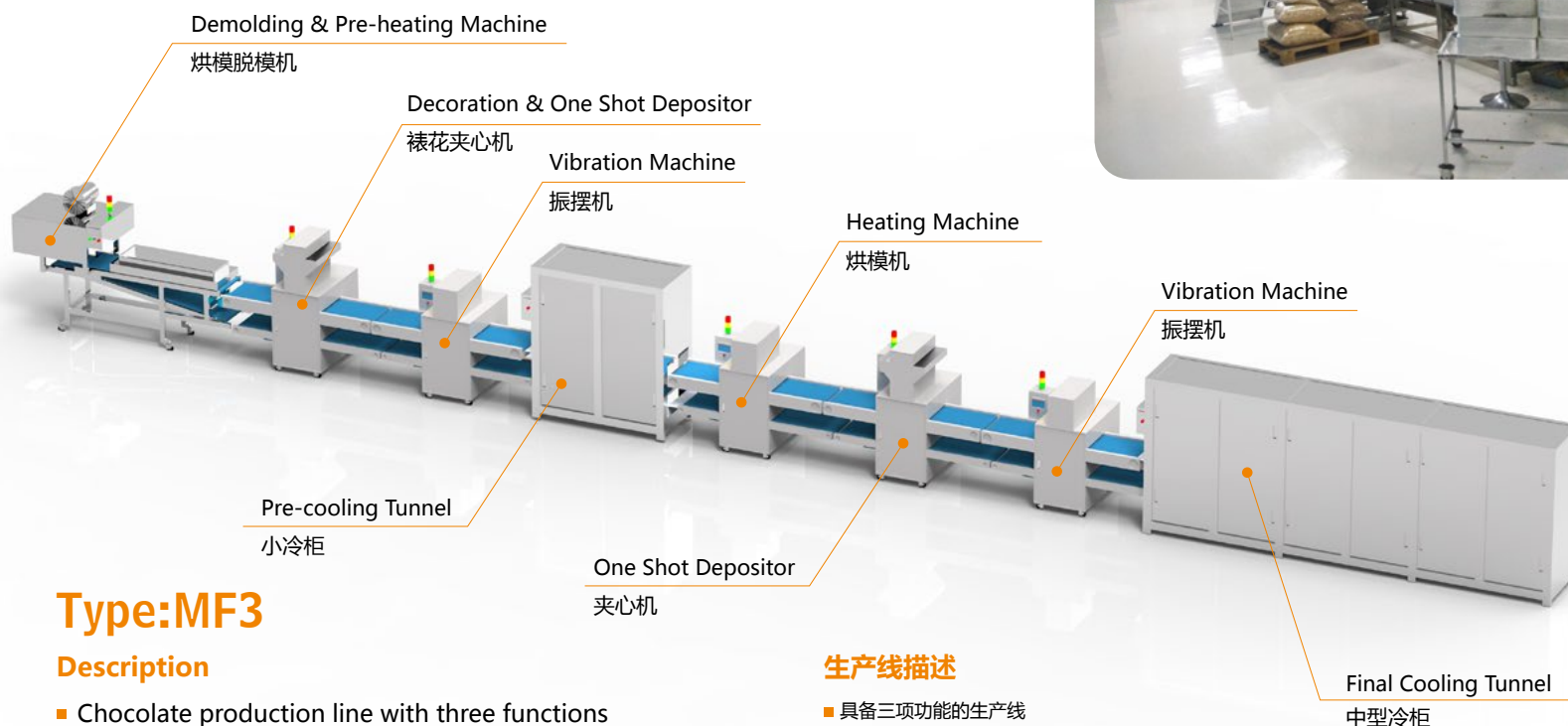
Decortion



Decortion  
& One shot



Decortion  
& One shot



## Type:MF3

### Description

- Chocolate production line with three functions
  - a.Decoration  
Decorating two colors, decorating precision: 0.05g to 0.1g
  - b.One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
  - c.Decoration & One shot  
Two molding technology combination
- Demold and pack into box automatically

### 生产线描述

- 具备三项功能的生产线
  - a. 裱花 : Decoration  
裱花二种颜色的巧克力, 裱花精度 0.05g-0.1g
  - b. 夹心 : One Shot  
产能  $\leq 500\text{kg/h}$ , 夹心量  $\leq 90\%$
  - c. 裱花 + 夹心 :  
结合二种成型技术的巧克力产品
- 自动脱模装盒功能

### Parameter of Multi-function line 巧克力多功能生产线参数

Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
MF3	6-12 moulds/min(based on mould layout)	400 pcs	47.5 Kw	$\geq 15\text{ T}$	19.7m* 1.3m* 2.4m

## Multi-function Line (4 functions)

### 巧克力多功能生产线



One-shot



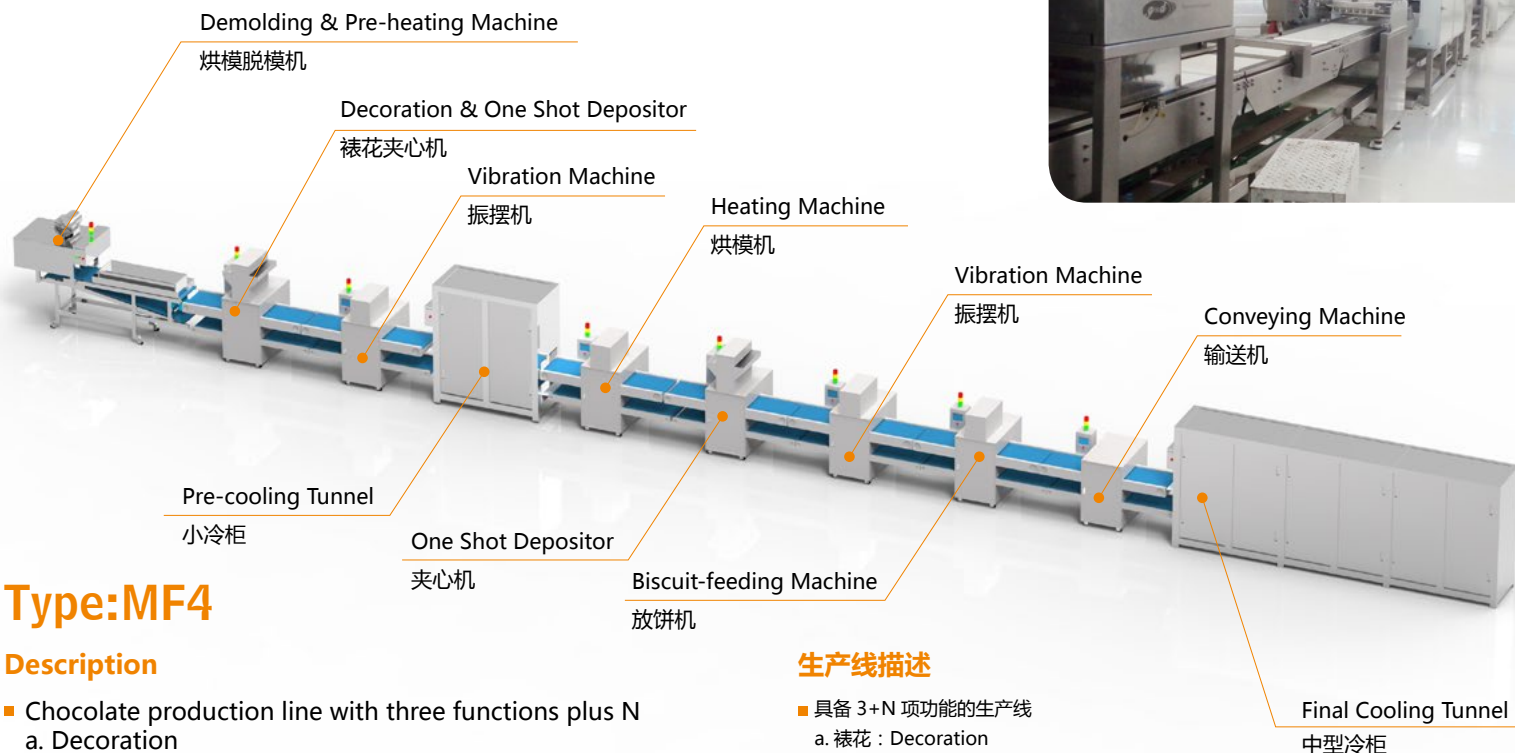
Decorion



Decorion  
& One shot



Decorion  
& biscuit



## Type:MF4

### Description

- Chocolate production line with three functions plus N
  - Decorion  
Decorating two colors, decorating precision: 0.05g to 0.1g
  - One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
  - Decorion & One shot  
Two molding technology combination
  - Biscuit-feeding or other functions
- Demold and pack into box automatically

### 生产线描述

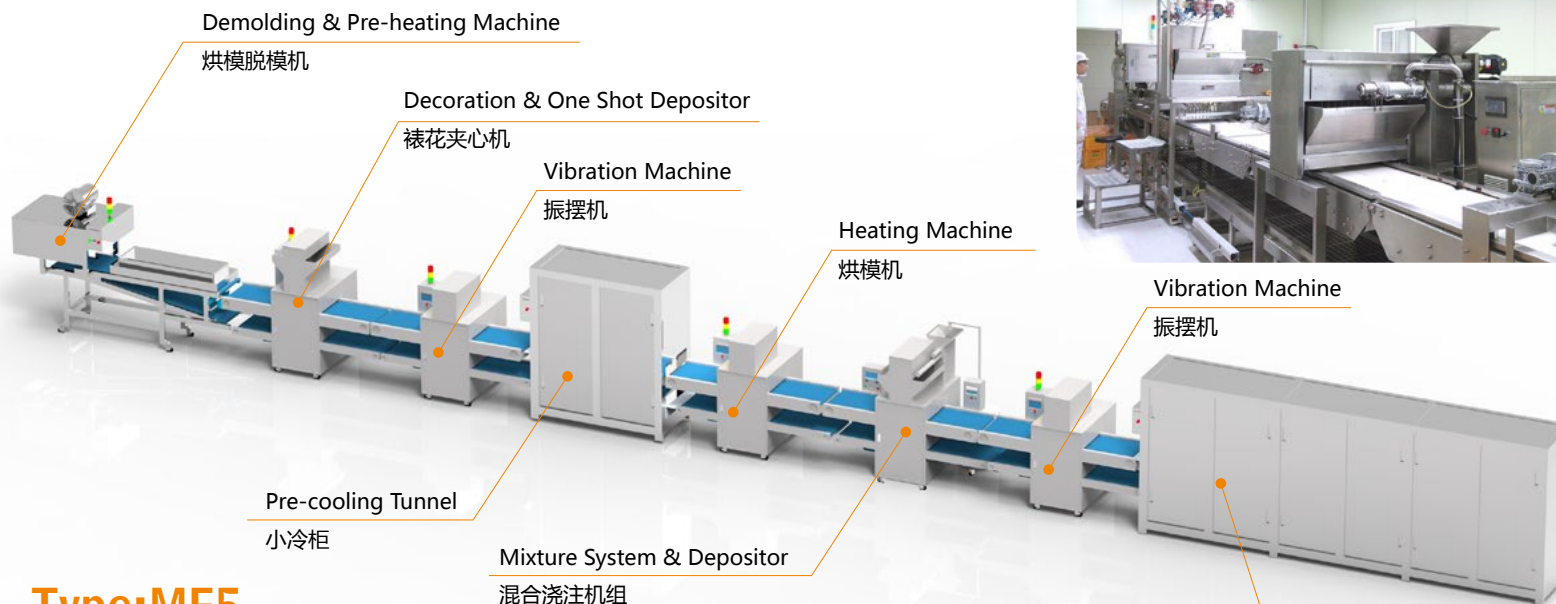
- 具备 3+N 项功能的生产线
  - 裱花 : Decorion  
裱花二种颜色的巧克力, 裱花精度 0.05g-0.1g
  - 夹心 : One Shot  
产能  $\leq 500\text{kg/h}$ , 夹心量  $\leq 90\%$
  - 裱花 + 夹心 : Decorion & One Shot  
结合二种成型技术的巧克力产品
  - 放饼或其他功能
- 自动脱模装盒功能

Parameter of Multi-function line 巧克力多功能生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MF4	6-12 moulds/min(based on mould layout)	400 pcs	50.0 Kw	$\geq 15\text{ T}$	22.7m* 1.3m* 2.4m



## Multi-function Line (5 functions)

### 巧克力多功能生产线



Max-mixture



Decortion



One shot  
& mixture



Decortion  
& mixture

## Type:MF5

### Description

- Chocolate production line with five functions
  - a. Decoration  
Decorating two colors, decorating precision: 0.05g to 0.1g
  - b. One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
  - c. Max-Mixture  
Capacity:  $\leq 250\text{kg/h}$ , mixture volume ratio:  $\leq 50\%$
  - d. Decoration & One shot  
Two molding technology combination
  - e. One shot & Max-Mixture  
Two molding technology combination
- Demold and pack into box automatically

### 生产线描述

- 具备 5 项功能的生产线
  - a. 裱花 : Decoration  
裱花二种颜色的巧克力, 裱花精度 0.05g-0.1g
  - b. 夹心 :  
产能  $\leq 500\text{kg/h}$ , 夹心量  $\leq 90\%$
  - c. 混合 :  
产能  $\leq 250\text{kg/h}$ , 混合体积比  $\leq 50\%$
  - d. 裱花 + 混合 :  
结合二种成型技术的巧克力产品
  - e. 夹心 + 混合 :  
结合二种成型技术的巧克力产品
- 自动脱模装盒功能

### Parameter of Multi-function line 巧克力多功能生产线参数

Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
MF5	3-12 moulds/min(based on mould layout)	400 pcs	49.0 Kw	$\geq 15\text{ T}$	19.7m* 1.3m* 2.4m

## Multi-function Line (6 functions)

### 巧克力多功能生产线



One-shot



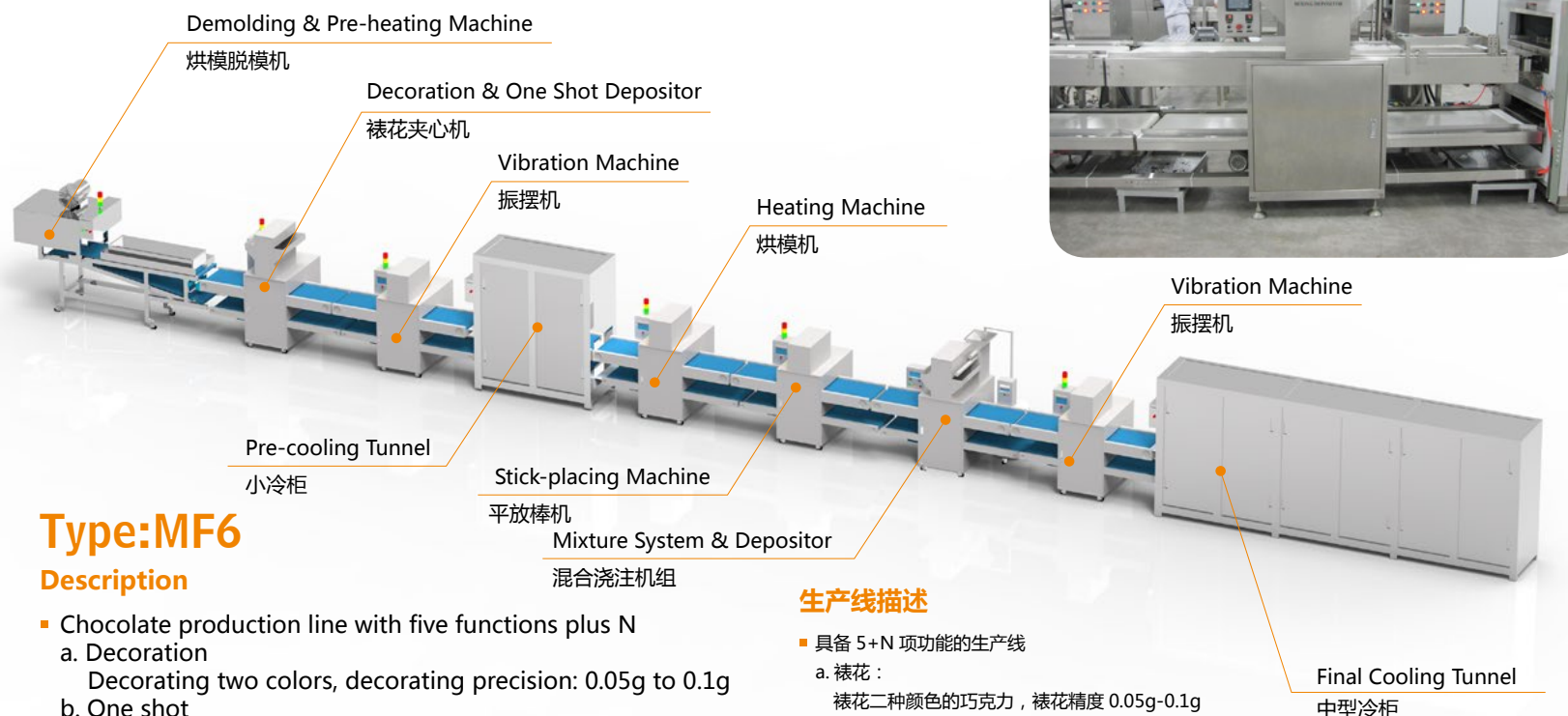
Mixture



Decorion  
& lollipop



Decorion  
& mixture  
& lollipop



## Type:MF6

### Description

- Chocolate production line with five functions plus N
  - Decorion  
Decorating two colors, decorating precision: 0.05g to 0.1g
  - One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
  - Max-Mixture  
Capacity:  $\leq 250\text{kg/h}$ , mixture volume ratio:  $\leq 50\%$
  - Decorion & Max-mixture  
Two molding technology combination
  - One shot & Max-Mixture  
Two molding technology combination
  - Plus N function  
Stick-placing or other functions
- Demold and pack into box automatically

### 生产线描述

- 具备 5+N 项功能的生产线
  - 裱花：  
裱花二种颜色的巧克力，裱花精度 0.05g-0.1g
  - 夹心：  
产能  $\leq 500\text{kg/h}$ ，夹心量  $\leq 90\%$
  - 混合：  
产能  $\leq 250\text{kg/h}$ ，混合体积比  $\leq 50\%$
  - 裱花 + 混合：  
结合二种成型技术的巧克力产品
  - 夹心 + 混合：  
结合二种成型技术的巧克力产品
  - +N 功能：插棒功能或其他功能
- 自动脱模装盒功能

Parameter of Multi-function line 巧克力多功能生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MF6	3-12 moulds/min(based on mould layout)	400 pcs	50.5Kw	$\geq 15\text{ T}$	21.2m* 1.3m* 2.4m

## Multi-function Line (Kitkat)

### Kitkat 多功能生产线



Sample



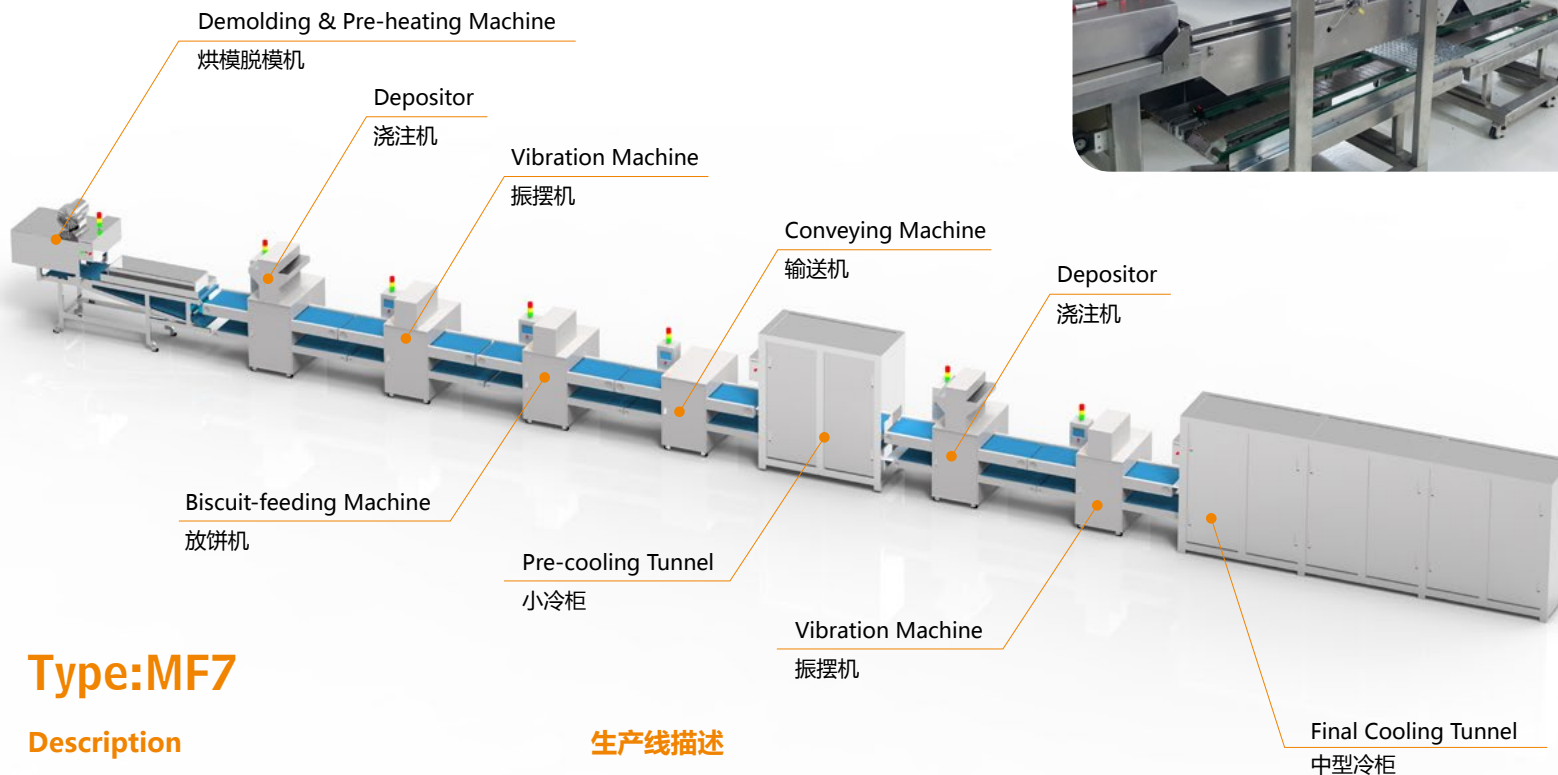
Sample



Sample



Sample



## Type:MF7

### Description

- Available for producing Kitkat chocolate
- One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
- Biscuit feeding or other functions
- Demold and pack into box automatically

### 生产线描述

- 包含 Kitkat 功能的生产线
- 夹心：  
产能  $\leq 500\text{kg/h}$ ，夹心量  $\leq 90\%$
- 放饼或其他功能
- 自动脱模装盒功能

### Parameter of Multi-function line 巧克力多功能生产线参数

Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MF7	6-12 moulds/min(based on mould layout)	400 pcs	48.5Kw	$\geq 15\text{ T}$	21.2m* 1.3m* 2.4m



## Multi-function Line (Biscuit Filling)

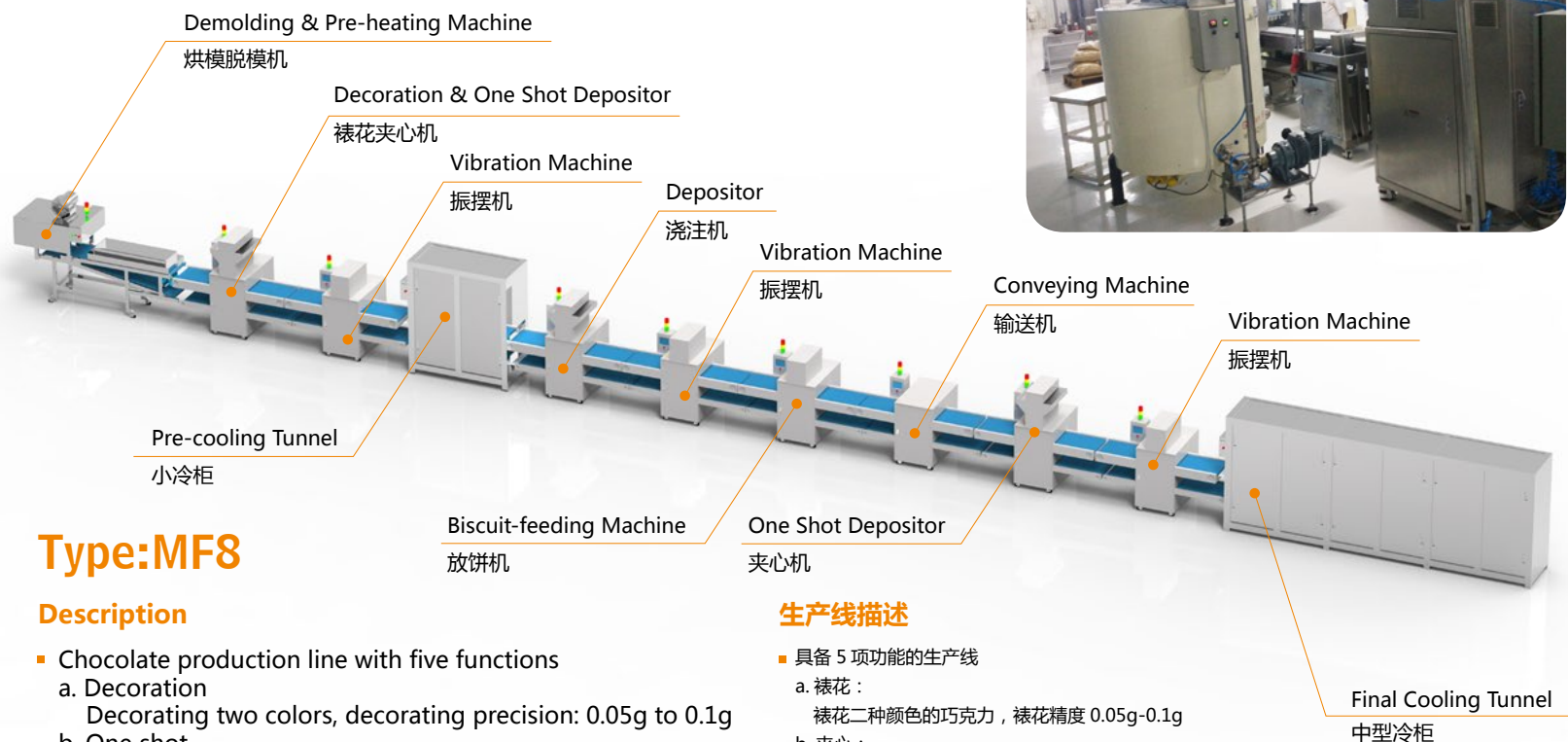
### 巧克力裱花饼干夹芯生产线



Sample



Sample



## Type:MF8

### Description

- Chocolate production line with five functions
  - Decoration  
Decorating two colors, decorating precision: 0.05g to 0.1g
  - One shot  
Capacity:  $\leq 500\text{kg/h}$ , filling volume:  $\leq 90\%$
  - Decoration & One shot  
Two molding technology combination
  - Kitkat  
Wafer or biscuit inside
  - Decoration & Kitkat  
Decorating on Kitkat chocolate
- Demold and pack into box automatically

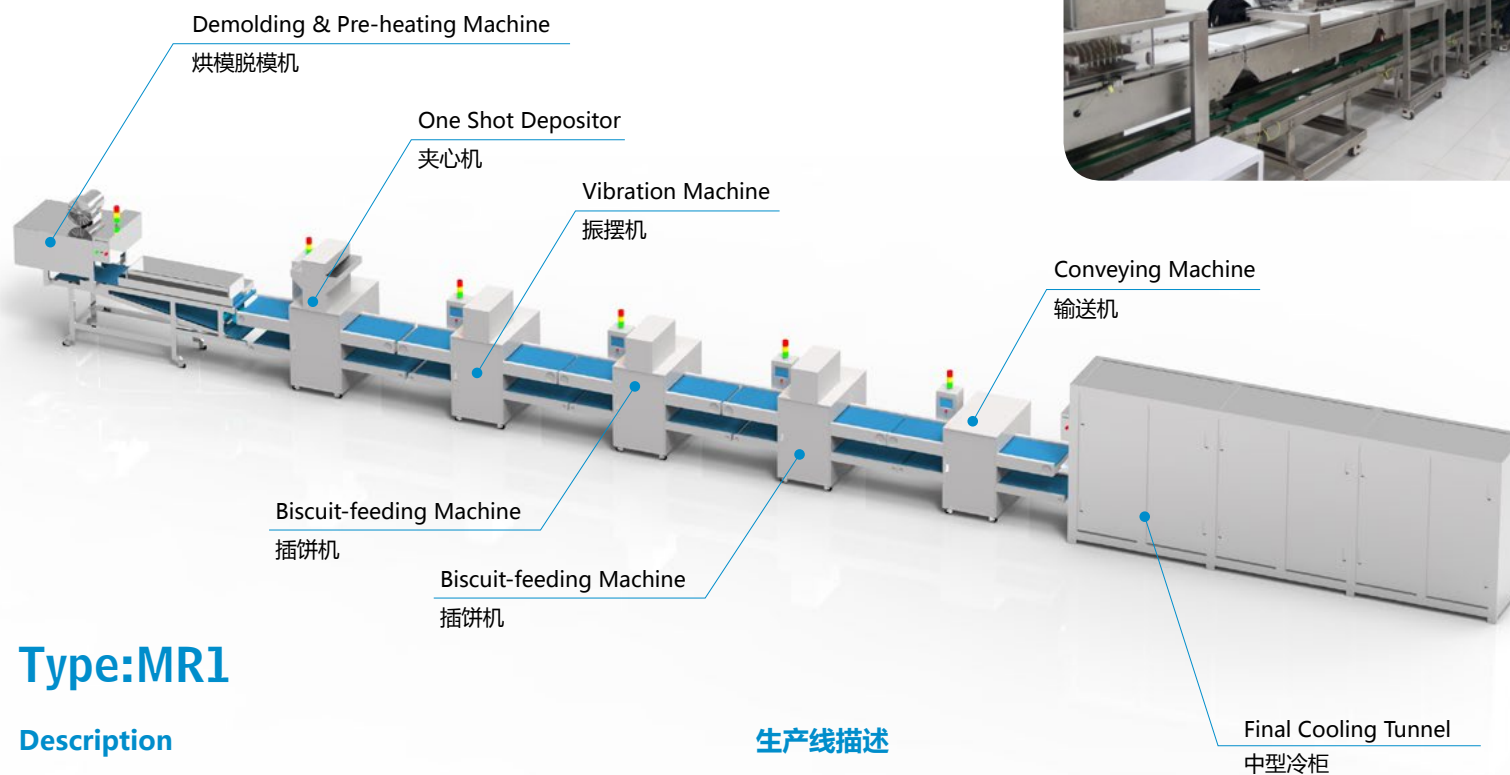
### 生产线描述

- 具备 5 项功能的生产线
  - 裱花:  
裱花二种颜色的巧克力, 裱花精度 0.05g-0.1g
  - 夹心:  
产能  $\leq 500\text{kg/h}$ , 夹心量  $\leq 90\%$
  - 裱花 + 夹心:  
结合二种成型技术的巧克力产品
  - Kitkat  
把威化或饼干填充在巧克力里面
  - Decoration & Kitkat  
在 Kitkat 产品上结合裱花元素
- 自动脱模装盒功能

Parameter of Multi-function line 巧克力多功能生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MF8	6-12 moulds/min(based on mould layout)	450 pcs	57.0Kw	$\geq 15\text{ T}$	24.2m* 1.3m* 2.4m

# Mushroom Chocolate Line (1 color)

## 单色蘑菇饼干生产线



### Type:MR1

#### Description

- Available for producing one color mushroom chocolate
- Feeding biscuit vertically
- Biscuit-feeding success rate:  $\geq 90\%$
- Rapping demolding automatically
- Capacity: 800 to 1000pcs/min.
- One shot function

#### 生产线描述

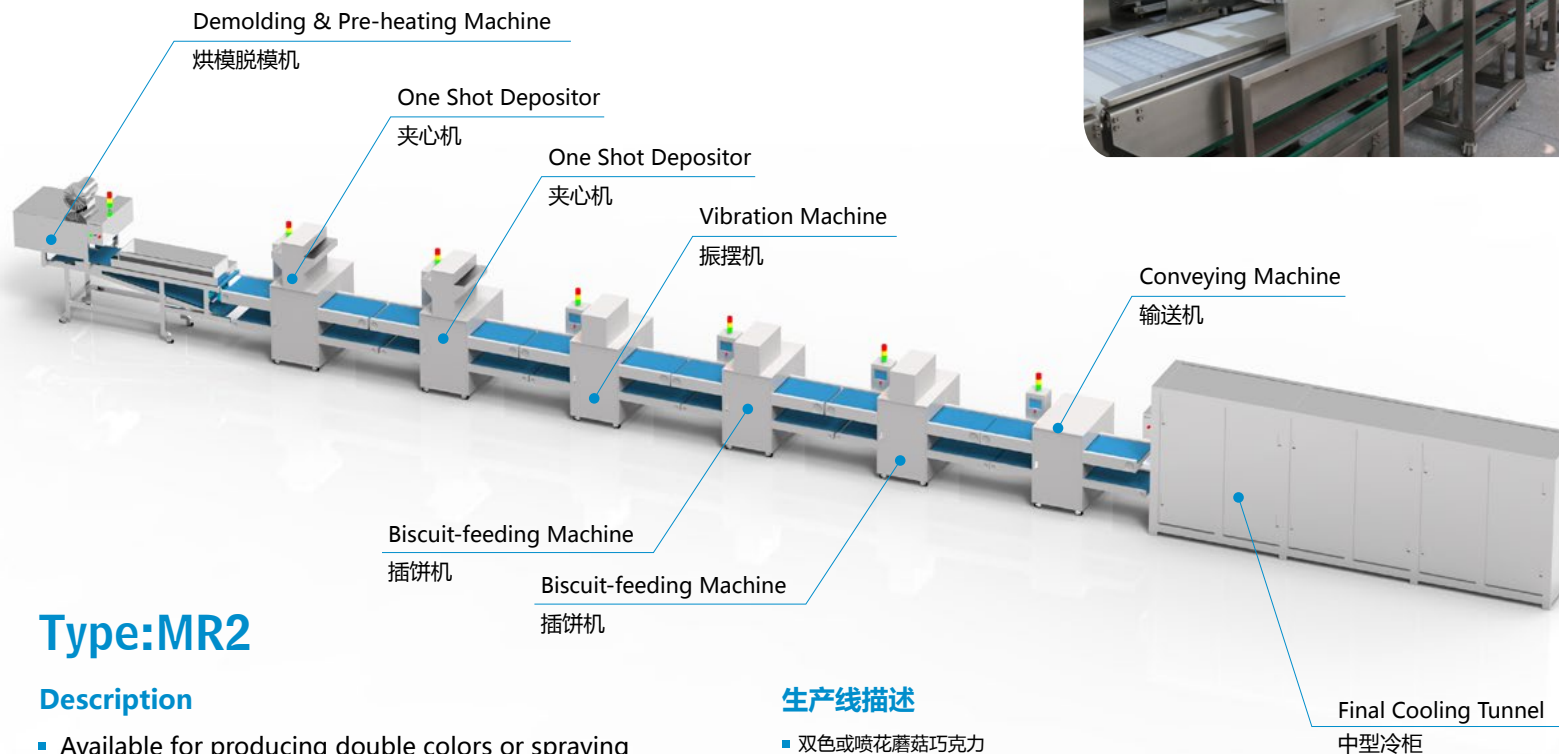
- 自动竖直插饼
- 插饼率  $\geq 90\%$
- 自动立体脱模与敲模
- 每分钟 800-1000 粒
- One Shot 夹心功能

#### Parameter of Mushroom chocolate line 巧克力饼干生产线参数

Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
MR1	6-10 moulds/min(based on mould layout)	350 pcs	36.5Kw	$\geq 15\text{ T}$	17.4m* 1.3m* 2.4m

# Mushroom Chocolate Line (2 colors)

## 双色蘑菇饼干生产线



### Type:MR2

#### Description

- Available for producing double colors or spraying mushroom chocolate
- Feeding biscuit vertically
- Biscuit-feeding success rate:  $\geq 90\%$
- Rapping demolding automatically
- Capacity: 800 to 1000pcs/min.
- One shot function

#### 生产线描述

- 双色或喷花蘑菇巧克力
- 自动竖直接插饼
- 插饼率  $\geq 90\%$
- 自动立体脱模与敲模
- 每分钟 800-1000 粒
- One Shot 夹心功能

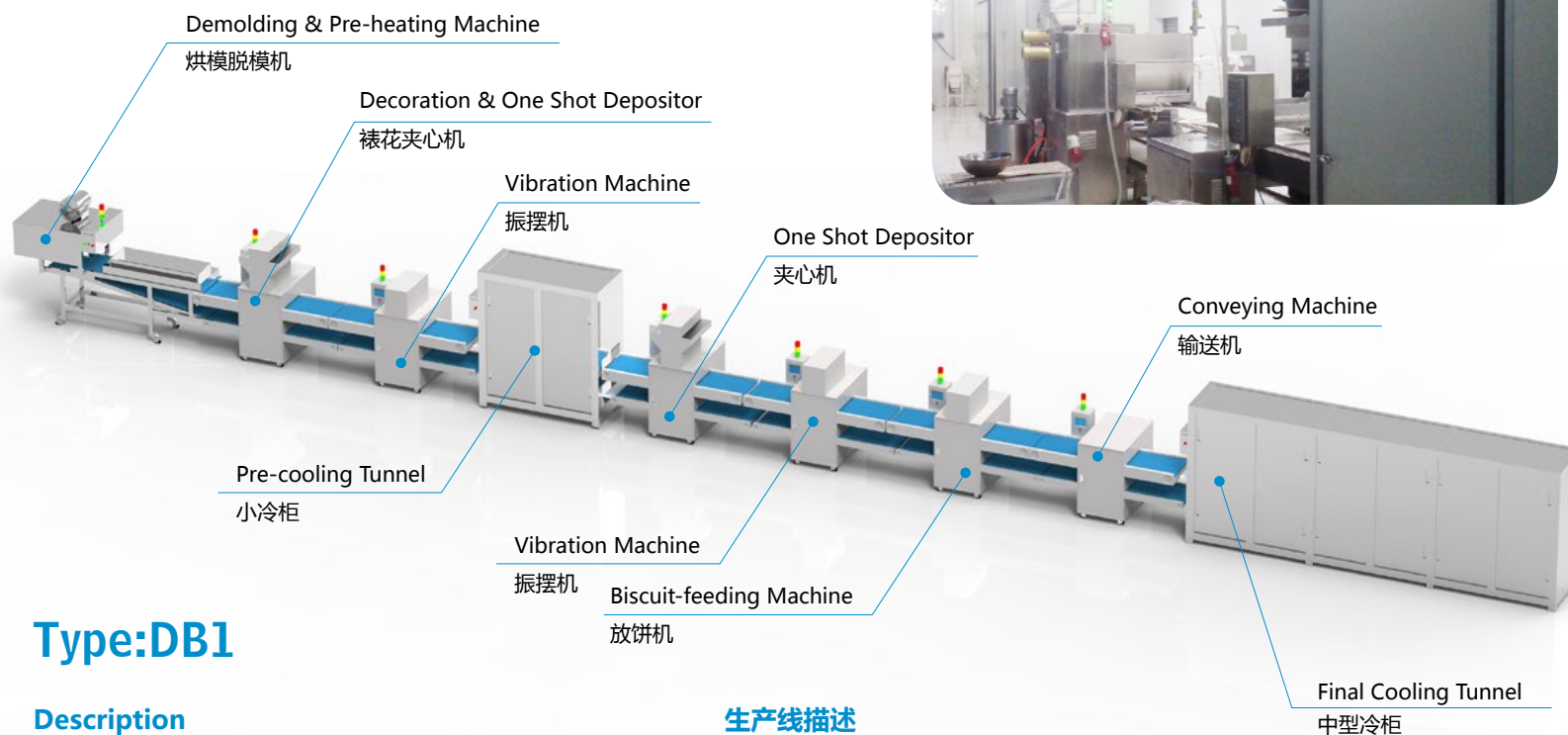
Parameter of Mushroom chocolate line 巧克力饼干生产线参数

Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
MR2	6-10 moulds/min(based on mould layout)	350 pcs	43Kw	$\geq 15$ T	18.9m* 1.3m* 2.4m



# Decoration & Biscuit Lollipop Line (3 colors)

巧克力裱花饼干棒生产线



## Type:DB1

### Description

- Manage and feed biscuit automatically
- Two colors for decoration and one color for bottom
- Decorating various products at the same time
- Capacity: ≤ 300pcs/min.
- One shot function

### 生产线描述

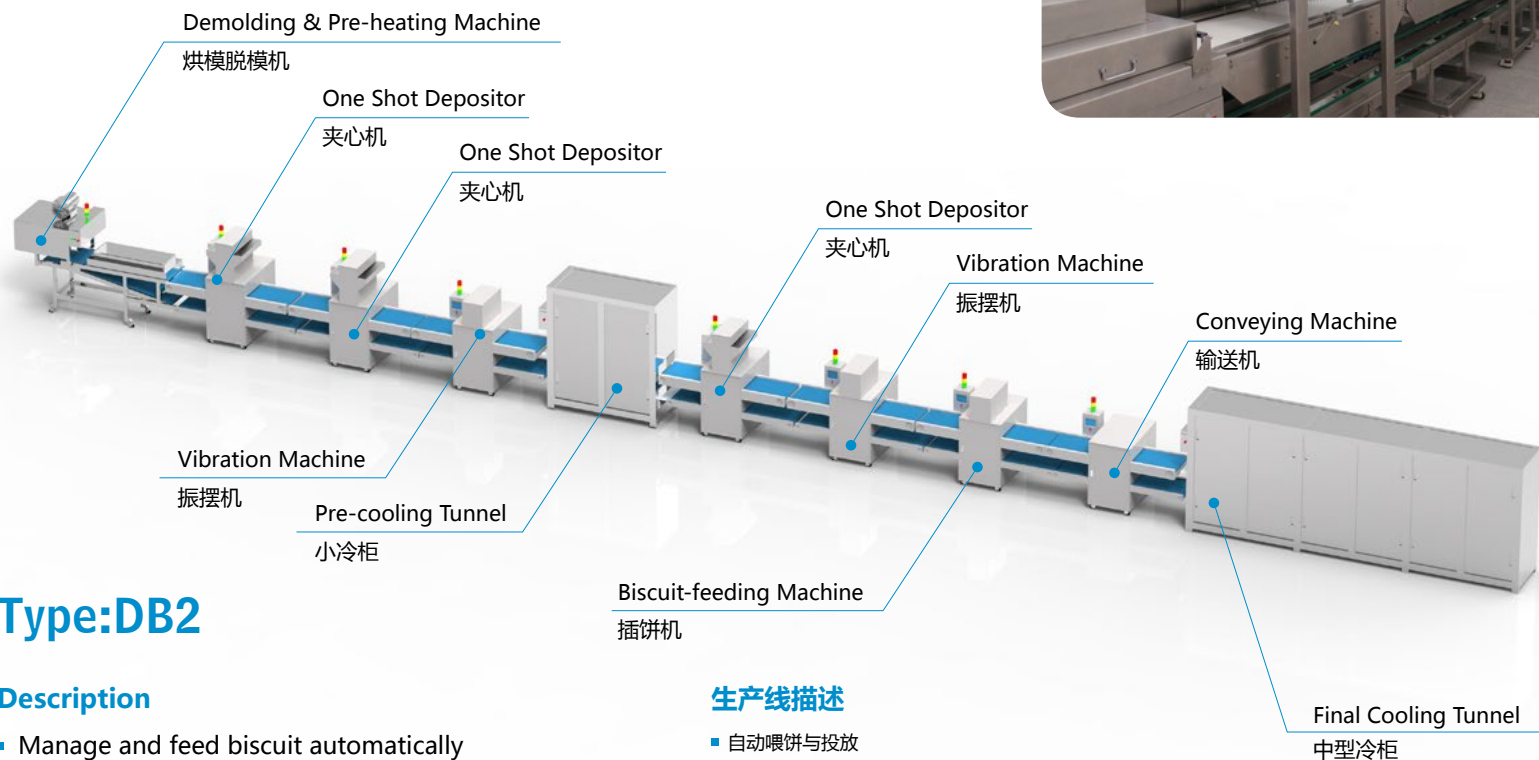
- 自动喂饼与投放
- 二色裱花 + 一色盖底
- 多款产品同时裱花
- 产能 ≤ 300 粒 / 分钟
- 夹心 One Shot 功能

Parameter of Decoration & Biscuit Lollipop line 巧克力饼干生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower ( Not for air cooling)	Dimension
DB1	6-10 moulds/min(based on mould layout)	400 pcs	48.5Kw	≥ 15 T	19.7m* 1.3m* 2.4m



# Decoration & Biscuit Lollipop Line (5 colors)

巧克力裱花饼干棒生产线



## Type:DB2

### Description

- Manage and feed biscuit automatically
- Four colors for decoration and one color for bottom
- Decorating various products at the same time
- Capacity: ≤ 300pcs/min.
- One shot function

### 生产线描述

- 自动喂饼与投放
- 四色裱花 + 一色盖底
- 多款产品同时裱花
- 产能 ≤ 300 粒 / 分钟
- 夹心 One Shot 功能



Parameter of Decoration & Biscuit Lollipop line 巧克力饼干生产线参数					
Type	Depositing Speed	Moulds	Power	Cooling Water Tower (Not for air cooling)	Dimension
DB2	6-10 moulds/min(based on mould layout)	400 pcs	56.0Kw	≥ 15 T	22.7m* 1.3m* 2.4m



## Vacuum Demolding & Pre-heating Machine (Type: STH-450A)

STH-450A 真空脱模烘模机

### Features

- Demolding method: by vacuum
- Capacity:  $\leq 500\text{kg/h}$  for 2D molds,  $\leq 300\text{kg/h}$  for 3D molds
- Product buttjoint and overturning
- Packing into box automatically
- Flexible parameter setting
- 3D demolding system
- PLC and servo control system
- Connect with the packing machine intelligently
- Circulating hot air heating molds



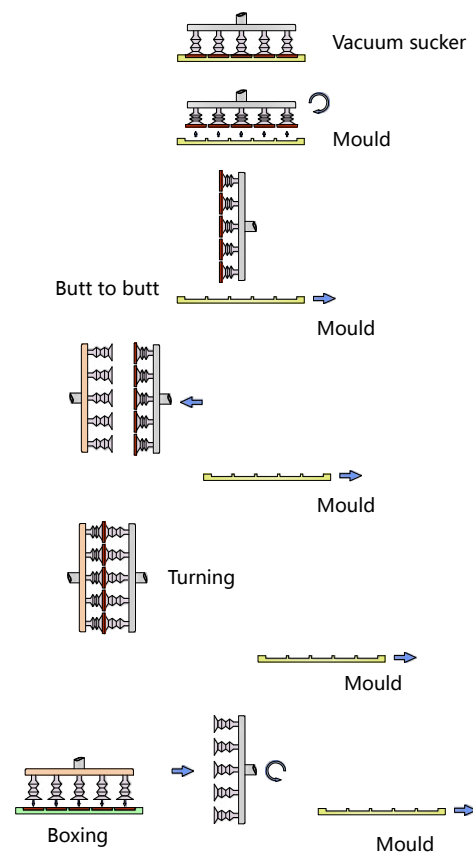
## Rapping Demolding & Pre-heating Machine (Type: STH-450B)

STH-450B 敲模脱模烘模机

### Features

- Demolding method: by rapping
- Capacity:  $\leq 500\text{kg/h}$  for 2D molds,  $\leq 300\text{kg/h}$  for 3D molds
- 3D demolding system designed for biscuit or stick feeding vertically
- Available for demold mushroom biscuit chocolate and vertical stick feeding
- Flexible parameter setting
- PLC and servo control system
- Circulating hot air heating molds

## 2D Chocolate auto boxing sketch map





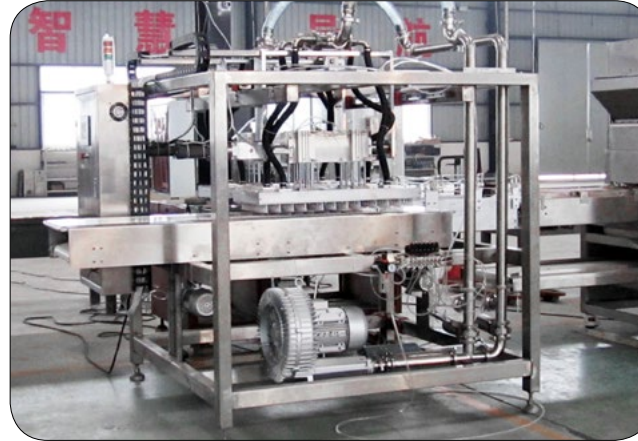


## Multi-function Demolding Machine (Type: DTM-450)

DTM-450 多功能脱模机

### Features

- Demolding method: by vacuum, rapping and twisting
- Capacity: ≤ 500kg/h for 2D or 3D molds
- Product buttjoint and overturning, demolding in order
- Flexible parameter setting
- 3D demolding system
- PLC and servo control system
- Connect with the packing machine intelligently
- Demolding success rate: 100%



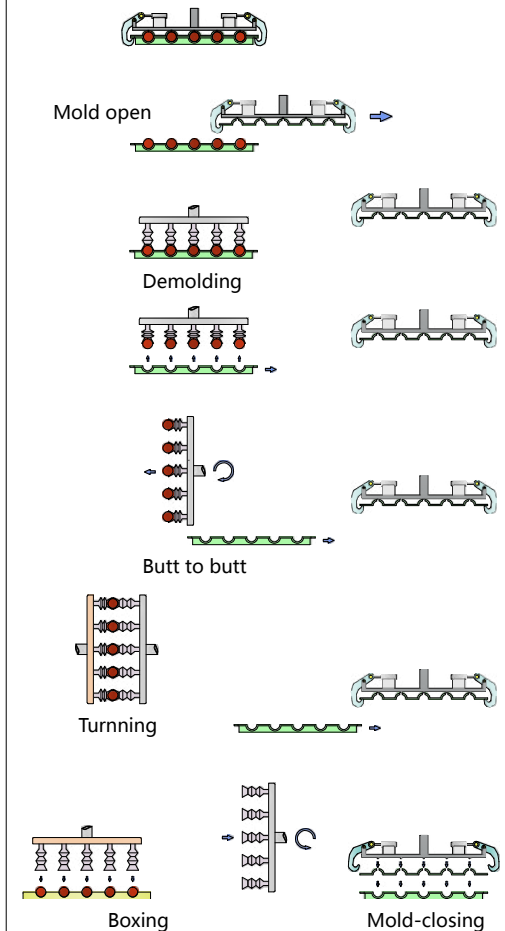
## Large Demolding Machine (Type: DTM-3\*8)

DTM-3\*8 大型脱模机

### Features

- Demolding method: by vacuum and twisting
- Capacity: ≤ 1000kg/h for 2D molds
- Product buttjoint and overturning, demolding in order
- Flexible parameter setting
- PLC and servo control system
- Connect with the packing machine intelligently

## 3D Chocolate auto boxing sketch map





## One Shot Depositor/Decoration Depositor (Vertical Type: SJ-48QB)

SJ-48QB 立式数控夹心机 / 裱花机

### Features

- Piston system: vertical
- Capacity:  $\leq 500\text{kg/h}$
- Depositing precision:  $\leq \pm 0.1\text{g}$
- Five-axis servo linkage technology
- More than 50% energy-saving
- Pistons: 48sets
- Piston non-leakage design
- Teaching mode operating system
- Good heat preservation
- Economic depositing plate and easy to replace



## One Shot Depositor/Decoration Depositor (Horizontal Type: SJ-48QC)

SJ-48QC 卧式数控夹心机 / 裱花机

### Features

- Piston system: horizontal
- Capacity:  $\leq 500\text{kg/h}$
- Depositing precision:  $\leq \pm 0.1\text{g}$
- Five-axis servo linkage technology
- More than 50% energy-saving
- Easy to clean hoppers
- Pistons: 48sets
- Teaching mode operating system
- Good heat preservation
- Economic depositing plate and easy to replace



## Max-Mixture Depositor (Type: HJ-18QB)

HJ-18QB 大混合浇注机

### Features

- Piston system: vertical
- Capacity:  $\leq 250\text{kg/h}$ (according to mixture material and piece weight)
- Mixture materials include: crushed nuts, crispy rice, dried fruit etc.
- Mixture volume ratio:  $\leq 50\%$
- The diameter of maximum mixture materials:  $\leq 12\text{mm}$
- Two axis servo control
- Liquid level control and automatic feeding
- Easy and quick parameters setting



## Mixture System (Type: LH-200B)

LH-200B 连续混合机

### Features

- Insulation barrel capacity: 200 liters
- Quick and uniform material mixing
- Adjustable mixture proportion
- Automatic control discharge
- Good heat preservation, conveying and stirring





## Cold-pressing Machine (Type: ZK-450B)

ZK-450B 冷压制壳机

### Features

- Integration design of refrigerating and shell-making
- Rapid refrigeration cycle system
- Capacity:  $\leq 200\text{kg/h}$
- Shell thickness:  $\leq 2\text{mm}$
- Easy parameters setting



## Aerating Depositor (Type: CJ-450B)

CJ-450B 充气浇注机

### Features

- Adjustable depositing pressure.
- Constant pressure system
- Stable aeration depositing
- Adjustable depositing flow
- Easy parameters setting



## Nuts-feeding Machine (Type: TZ-450B/TL)

**TZ-450B/TL 整粒投放机**

### Features

- Available for placing whole nuts like almond and hazelnut etc.
- Capacity:  $\leq 1000$ pcs/min.(according to the mold layout)
- Placing nuts by vacuum system
- The placing location can be controlled by servo
- Manage and feed biscuits into the biscuit slots automatically
- Nuts-feeding success rate:  $\leq 95\%$ (similar round objects)



## Biscuit-feeding Machine (Type: TZ-450B/TB)

**TZ-450B/TB 饼干投放机**

### Features

- Available for placing mushroom biscuit, round or square or irregular biscuit etc.
- Placing method: vertical or horizontal
- Capacity:  $\leq 1000$ pcs/min.(according to different product)
- Placing biscuit by vacuum system
- The placing location can be controlled by servo
- Manage and feed biscuits into the biscuit slots automatically(placing biscuit vertically)
- Biscuit-feeding success rate:  $\leq 90\%$ (vertically)



## Stick-placing Machine (Horizontally Type: TZ-450B/PF)

**TZ-450B/PF 水平放棒机**

### Features

- Available for placing paper or plastic sticks horizontally
- Capacity:  $\leq 200$ pcs/min.(according to the mold layout)
- Stick-placing success rate:  $\leq 95\%$ (with good stick consistency)
- Feeding sticks into stick slots conveniently
- Easy and quick parameters setting



## Stick-placing Machine (Vertically Type: TZ-450B/SC)

**TZ-450B/SC 竖直插棒机**

### Features

- Available for placing paper or plastic sticks vertically
- Capacity:  $\leq 500$ pcs/min.(according to the mold layout)
- Stick-placing success rate:  $\leq 95\%$ (with good stick consistency)
- Feeding sticks into stick slots conveniently
- Easy and quick parameters setting





## Pre-cooling Tunnel / Pre-heating Tunnel (Type: SD-40A、LSD-2\*18A)

小冷柜 / 烘模柜  
(型号: SD-40A、LSD-2\*18A)

### Features

- Up and down, multi-layer translation design
- Mold quantity: 36 pcs/ 40 pcs
- More than 30% energy-saving
- Running speed
  - a. SD-40A:  $\leq 12$  molds/min.
  - b. LSD-2\*18A:  $\leq 12$  molds/min.
- Cooling method: water cooling or wind cooling
- Pre-cooling or pre-heating
- Machine will stop automatically in case of machine breakdown
- Small covering area



## Final Cooling Tunnel (Type: SD-252A)

大冷柜 (Type: SD-252A)

### Features

- Up and down, multi-layer translation design
- Mold quantity: 252 pcs
- More than 30% energy-saving
- Running speed  
SD-252A:  $\leq 12$  molds/min.
- Cooling method: water cooling or wind cooling
- Machine will stop automatically in case of machine breakdown
- Small covering area



## Final Cooling Tunnel (Type: LSD-2\*132A)

大冷柜 (Type: LSD-2\*132A)

### Features

- Up and down, multi-layer translation design
- Mold quantity: 264 pcs
- More than 30% energy-saving
- Running speed  
LSD-2\*132A:  $\leq 12$  molds/min.
- Cooling method: water cooling or wind cooling
- Machine will stop automatically in case of machine breakdown
- Small covering area



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