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专业定制从冷却到包装全过程自动化设备

# From Cooling To Packaging

- 整理和分配 Handling and Distribution
- 饼干夹心机 Biscuit Sandwiching Machine
- 喂料和包装 Feeding and Packaging

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佛山长睿机械有限公司  
EverSmart Food Equipment Limited

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# CONTENT

## 目录



**01**

公司简介  
Company profile

**02**

整理和分配  
Handling and Distribution

**03**

饼干夹心机  
Biscuit Sandwiching Machine

**04**

喂料和包装  
Feeding and Packaging



佛山长睿机械有限公司是一家全球性的食品和包装系统制造商，致力于提供从冷却到包装的完整解决方案，我们的设备包括：输送系统，翻饼系统，堆叠系统，合并/分流系统，分配系统，缓冲系统，喂料系统、饼干夹心，枕式包装，无托包装，有托包装，立式包装，自动送料，制袋设备，自动包装；以及二次包装解决方案，码垛，拉伸包装等。我们提供的灵活包装解决方案可用于各种巧克力，威化饼，饼干，夹心饼干，曲奇，面包，蛋糕以及薯片等。我们通过创新的解决方案，确保您获得可靠，简单且合适的定制解决方案。

EverSmart Food Equipment Limited is a global manufacturer of food and packaging systems, dedicated to provide complete solutions from cooling to packaging. Our equipment includes: conveying systems, biscuits flipping systems, stacking systems, merging/diverting systems, dispensing systems, buffering systems, feeding systems, biscuit sandwiching, flow packaging, on edge (Slug) packaging, tray loading packaging, vertical packaging, automatic feeding, bagging equipment, automatic packaging; and secondary packaging solutions, palatalizing, stretch wrapping, etc. We offer flexible packaging solutions for a wide range of chocolates, wafers, cookies, biscuits, sandwich biscuits, sandwich cookies, breads, cakes and potato chips. With our innovative solutions, we ensure that you get a customized solution that is reliable, simple and fit for purpose.

## 我们的任务

通过对新的自动整理、夹心、包装系统和定制化技术解决方案的研究和试验，使客户完全满意。

## Our mission

Our aim is to achieve customers' satisfaction through R&D and testing approval of new automatic sorting, sandwiching, packaging systems and customized technical solutions.

## 我们的目标

设计和制造技术先进、耐用和可靠的整理，夹心和包装系统，可与模块化自动进料器连接，并易于集成到自动包装系统中。

## Our Objective

To design and manufacture technologically advanced, durable and reliable sorting, sandwiching and packaging systems that can be interfaced with modular automatic feeders and easily integrated into automated packaging systems.



# H 整理和分配 Handling and Distribution

长春专注于烘焙产品的整个过程，例如饼干、蛋糕、曲奇、薯片等，从产品离开生产系统到最终包装过程：整理系统，输送系统，堆叠系统，合并/分流，行分配，缓冲系统，自动夹心，自动喂料，自动包装，自动二次包装，自动托盘包装等方面，我们通过创新的解决方案确保您获得可靠，简单且合适的定制解决方案。

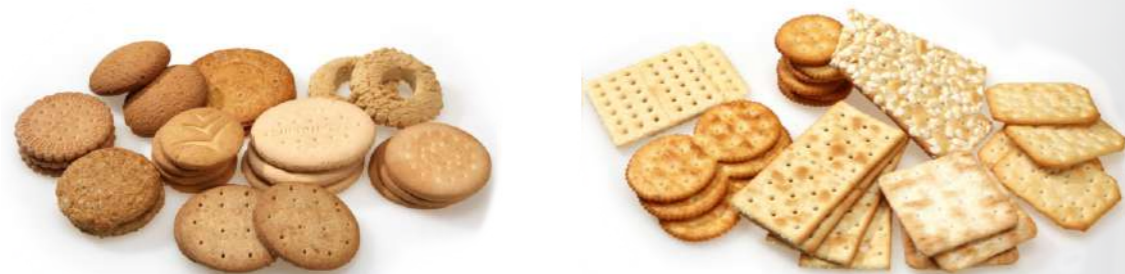
EverSmart specializes in the entire process of bakery products such as biscuits, cakes, cookies, potato chips etc. From the moment the product leaves the production system to the final packaging process: collating systems, conveying systems, stacking systems, merging/diverting, rows distribution, buffering systems, automatic sandwiching, automatic feeding, automatic packaging, automatic multi packaging, automatic tray loading etc, we ensure you reliable, simple and appropriate customized solutions through our innovative solutions.

## 高强度运行设计

高度专业，轻松应对烤炉的高产能输出，能配合每排1000个产品/分钟的烤炉输出速度。

## High intensity operation design

Highly specialized to easily cope with the high capacity output of the oven, able to match the oven output speed of 1,000 products/minute/ row.



# H 整理和分配 Handling and Distribution

长睿可以根据不同的操作程序设计各种产品处理方案，其中包括：

- 自动喂料至夹心机
- 堆垛喂料机
- 智能长度测量喂料机
- 计数喂料机
- 在线托盘装载系统
- 一次包装自动喂料进二次包装
- 超薄或薯片的全自动枕式包装，无托包装，有托包装和立式包装

EverSmart can design a wide range of product handling solutions for different operating procedures, including:

- Automatic feed into the sandwiching machine
- Stacking feeders
- Intelligent Length Feeders
- Counting feeders
- In-line tray loading systems
- Automatic feeding of primary packaging into secondary packaging
- Fully automatic flow packaging of ultra-thin or potato chips, on edge(Slug) packing, tray packaging and vertical packing



# H 整理和分配 Handling and Distribution

## 系统主要组件

- 使用产品倾倒传送带来去除不合格产品。
- 通过导流板和传送带接收和引导产品。
- 等量分流机构，根据下游设备要求得到适合地产品行数。
- 翻转产品，如导流板给料输送产品至夹心机时。
- 堆叠(堆垛)既可以使用翻转辊式堆叠，也可使用差速式堆叠机。
- 通过气流脉动操作来进行产品输送机延伸或缩短。
- 当达到最大缓冲程度时，拒绝单个产品线的产品输入。
- 使用振动传送进行缓冲，用以清空平铺在产品堆叠之下的产品。
- 整线通过中央操作系统来控制，所有分区的速度调控均通过HMI控制面板来完成，这样配置可确保不同分区之间的同步和快速启动，同时易于调节和维护保养。

## Major system combination

- Adopt dumping conveyor to tickle unqualified products.
- Receive and guide product through deflectors and conveyors.
- Equal volume diverting mechanism to get the right number of product rows according to the requirements of the downstream equipment.
- Flip the product, e.g. while deflector plate conveys the product to feed into the sandwiching machine.
- Stacking (stack) can be done with either a tilting roller stacker or a differential speed stacker.
- product conveyor extension or shortening by airflow pulsation operation.
- Rejection of product input from individual product lines when maximum buffering is reached.
- Buffer using vibratory conveyors to empty products that lay flat underneath the product stacks.
- The entire line is controlled through a central operating system. Speed regulation for all zones is accomplished through an HMI control panel. This configuration ensures synchronization and fast start-up of the different zones, as well as easy adjustment and maintenance.



## 自动整理和分配系统（从冷却到包装）

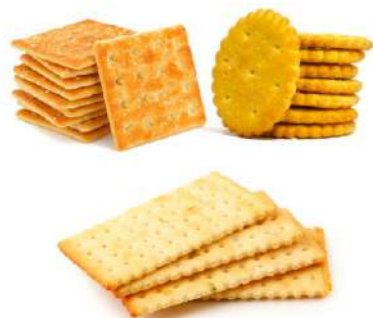
Automatic Handling and Distribution System (From Cooling To Packaging)

### 饼干冷却系统

- 通过环境冷却将来自烤炉的产品冷却至下游设备可以处理的温度，同时确保产品在输送过程中尽可能减少位置移动，便于下游设备的对接。
- 高灵活性，如果工厂空间有限，可以将冷却区域设计成Z型或回形针型输送，亦可通过180°转弯传送带，采用U型设计，冷却输送机可以悬挂安装于天花板或多层多级配置安装，以获得最大的缓冲时间和最小的占地面积。
- 皮带端头刀口设计，皮带自动调偏，皮带自动张紧，废料自动剔除。

### BISCUIT COOLING SYSTEM

- Cool the product from the oven to a temperature that can be handled by downstream equipment by means of ambient cooling, while ensuring that the product is conveyed with as little positional movement as possible, allowing for easy docking of downstream equipment.
- Highly flexible, the cooling zone can be designed as a Z or paperclip conveyor if plant space is limited, or via a 180° turn conveyor belt with a U-shape design, the cooling conveyor can be suspended and mounted from the ceiling or mounted in multi-stage configuration to maximize buffer time and minimize needed space.
- Minimum design of belt transition roller, automatic belt deflection, automatic belt tension, and automatic waste rejection.



## 自动整理和分配系统（从冷却到包装）

Automatic Handling and Distribution System (From Cooling To Packaging)

### 饼干合并/分流系统

- 促进产品流通，将两个产品通道合并为一个，不会发生碰撞。
- 将产品从一个通道分配到多个通道。
- 合流/汇流系统可通过改变产品传输通道的数量来改变生产线的产品流向。
- 可根据工艺需要调整通道数量。

### BISCUIT MERGING / DIVERGING SYSTEM

- Facilitates product flow. Combine two product rows into one without collision.
- Distributes product from one row to multiple rows.
- The merge/converge system allows to change the direction for product flow of production line by changing the number of product transfer rows.
- The number of rows can be adjusted according to process needs.



## 自动整理和分配系统（从冷却到包装）

Automatic Handling and Distribution System (From Cooling To Packaging)

### 饼干整理机

堆放产品，在手动捡饼台或送料机（如传统的夹心机或某些包装机）之前，这一过程是必要的。

- 模块化星轮系统。
- 对产品进行精细处理，不会损坏易碎产品。
- 与传统夹层机自动连接，自动连接包装机，使用移动式堆垛机可进行堆垛。

### BISCUIT STACKING MACHINE

Stacking products. This process is necessary before a manual pick-up table or feeder such as sandwiching machine or some packaging machines.

- Modular star wheel system.
- Fine handling of the product without damaging fragile products.
- Automatic connection with sandwiching machines. Automatic connection or packaging machines . Stacking possible using mobile stacker cranes.



## 自动整理和分配系统（从冷却到包装）

Automatic Handling and Distribution System (From Cooling To Packaging)

### 饼干行分配系统

根据下游的需要，将产品分配到包装机上。如果产品在最后一个分配装置之后没有转移，则可将其积存起来，并可自动回收利用。

### BISCUIT ROW DISTRIBUTION

Distribute products to the packaging machine according to the downstream equipment's needs. If the product is not transferred after the last dispensing unit, it can be accumulated and automatically recycled.



## 自动整理和分配系统（从冷却到包装）

Automatic Handling and Distribution System (From Cooling To Packaging)

### 智能喂料系统

- 智能测量喂料机是处理圆形，矩形，正方形和夹心饼干的理想选择。全伺服驱动的用于块料分配的智能测量喂料机经过专门设计，可确保轻柔地处理边缘脆弱和薄脆的饼干。
- 喂料机测量预定义的产品长度，通过分隔条将测量好的产品与其余的产品有效的分离，然后将其准确地放置在包装机推链中。智能测量喂料机的设计易于操作且维护成本低。
- 高灵活性，可提供不同尺寸的机器框架以适应不同数量通道的产品。
- 开放式设计、可全面的进行生产维护，便捷的访问和快速的产品转换。

### SMART MEASURING FEEDING SYSTEM

- Smart measuring feeders are ideal choices for handling round, rectangular, square and sandwich biscuits. The fully servo-driven Intelligent Smart measuring feeder for block's dispensing has been specially designed to ensure gentle handling of cookies with fragile and crispy edges.
- The feeder measures a predefined product length, efficiently separates the measured product from the rest by means of a divider bar, and then places it accurately in the packer's push chain. The Smart measuring feeder is designed for easy operation and low maintenance.
- Highly flexible, with different sized machine frames available to accommodate different quantities of product in the aisle.
- Open design for full production maintenance, easy access and fast product changeover.



## 自动整理和分配系统（从冷却到包装）

Automatic Handling and Distribution System (From Cooling To Packaging)

### 饼干振动缓冲系统

- 振动给料机输出速度被编程以匹配机器输出。可容纳圆形、正方形、长方形和特殊形状。
- 振动系统具有自动剔除平躺在产品底部或侧面的错位产品的功能，可避免这些错位产品影响下游喂料机的性能。
- 振动系统的执行保证了调整的简便性、最少的维护和快速的产品转换。
- 通过安装在每个通道上的位置传感器，集成控制系统对每个区段的速度进行动态控制，从而确保不间断的产品流动和对产品背压的精确控制。

### BISCUIT VIBRATORY BUFFER

- Vibratory Output speeds are programmed to match machine output. Accommodates round, square, rectangular and special shapes.
- The vibratory system features automatic rejection of misaligned products lying flat on the bottom or sides of the product, which prevents these misaligned products from affecting the performance of the downstream feeder.
- The implementation of the vibration system guarantees ease of adjustment, minimal maintenance and fast product changeover.
- The integrated control system dynamically controls the speed of each zone by means of position sensors mounted on each channel, thus ensure uninterrupted product flow and precise control of product back pressure .



# B 饼干夹心机 Biscuit Sandwiching Machine

## 夹心机

### SANDWICHING MACHINE

长睿提供最广泛的饼干夹心（奶油）设备，从单机到完整的自动夹心系统。产品包括饼干喂料机，各种速度的夹心机（奶油机），行组合器，分饼机，堆垛机和自动计数喂料机，奶油料斗。我们的夹心机生产各种尺寸和形状的夹心饼，并带有各种馅料，包括迷你夹心饼，超薄夹心，奶油果酱组合，双色奶油组合，3+2夹心饼，正方形，圆形和特殊形状。

EverSmart offers the widest range of biscuit sandwiching (creamer) equipment, from single machines to complete automated sandwiching systems. Products include biscuit feeders, sandwiching machines (creamers) of various speeds, row combiners, row multiplier, stackers and automatic counting feeders, and cream hoppers. Our sandwiching machines produce all sizes and shapes of sandwiches with a variety of fillings, including mini sandwiches, ultra-thin sandwiches, cream and jam combinations, two color cream combinations, 3+2 sandwiches, squares, rounds and special shapes.



# B 饼干夹心机 Biscuit Sandwiching Machine

## 饼干夹心机

- 采用不锈钢和铝结构的卫生设计——产品区域无涂漆表面。
- 速度高达700个夹心饼/排/分钟。
- 形状：可处理各种形状的饼干，包括圆形、方形、矩形或特殊形状。
- 标准产品尺寸范围为35-60毫米。
- “迷你”夹心-通常直径为25-35毫米，可以通过对标准机器进行选择性更改来生产（最大机器速度可能会增加）。
- 可以使用多种馅料，包括奶油、花生酱、牛轧糖、奶酪和果酱。
- 便携式奶油料斗可实现准确、一致的奶油输送。
- 可选配每通道一个独立的供料泵，提供对馅料的单独控制和高精度的馅料重量。
- 设备可以手动放料或自动送料，并且可以进行配置以适应几乎任何烘焙布局。
- 多种产品的储存选项，包括一次填充有两种奶油口味以及单一或多种奶油口味的双重填充。
- 可与排组合器、分饼机、无托装载机和托盘装载机进行下游连接。



## BISCUIT SANDWICH MACHINE

- Hygienic design with stainless steel and aluminum construction - no painted surfaces in the product area.
- Speeds up to 700 sandwich biscuits/row/minute.
- Shapes: Handles a wide range of cookie shapes including round, square, rectangular or special shapes.
- Standard product sizes range from 35-60mm.
- “Mini” sandwiches - typically 25-35mm in diameter - can be produced by selective changes to the standard machine (maximum machine speed may be increased).
- Can be used with a wide range of fillings including cream, peanut butter, nougat, cheese and jam.
- The portable cream hopper allows for accurate and consistent cream delivery.
- Can be optionally equipped with a separate feed pump per channel, providing individual control of the filling and high accuracy of filling weights.
- Units can be manually feed or automatically feed and can be configured to fit virtually any baking layout.
- Multiple product storage options, including two cream flavors in a single filling and double fillings with single or multiple cream flavors.
- Downstream connections can be made to row multiplier, row combiner, on edge (Slug) loaders and tray loaders.



# B 饼干夹心机 Biscuit Sandwiching Machine

## 奶油料斗

- 长睿ESH便携式供料桶和泵可准确输送。提供70升和150升容量，具有多种配置和选项，可根据您的产品需求调节奶油。与消息传递和速度控制完全集成，以提供准确的自动控制。
- ESH-150便携式供料桶可配置1套或2套供料泵，精度 $\leq 0.05\text{g}$ （取决于馅料）。
- 料斗与夹心机的距离最多可达2.5米。
- 有夹层或无夹层储罐和管道选项。
- 提供冷却和保温装置，具有方便的操作员控制面板，并且易于维护电气和机械部件。

## CREAM HOPPER

- EverSmart ESH portable cream hopper and pump allows for accurate delivery. Available in 70L and 150L capacities with multiple configurations and options to adjust the cream to your product needs. Fully integrated with messaging and speed control to provide accurate automation.
- ESH-150 portable cream hopper can be equipped with 1 or 2 sets of feeding pumps with an accuracy of  $\leq 0.05\text{g}$ . (Depends on filling).
- The distance between the hopper and the sandwiching machine can be up to 2.5 meters.
- Available with jacketed or un-jacketed tanks and piping options.
- Cooling and temperature maintenance units are available with convenient operator control HMI and easy maintenance of electrical and mechanical components.



# B 饼干夹心机

## Biscuit Sandwiching Machine

### 在线夹心机

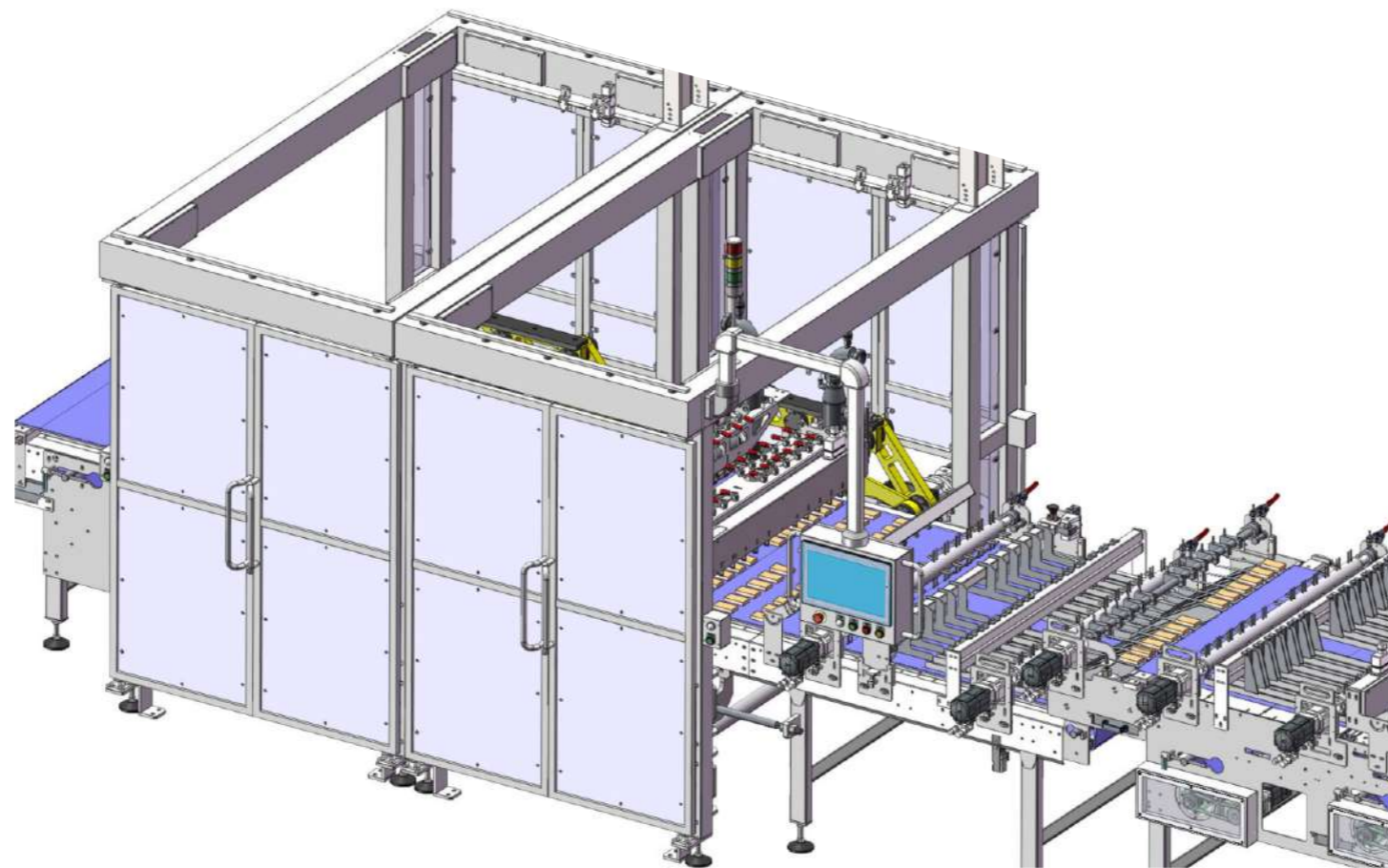
- 在线夹心系统直接从连续的烤箱带中获取完整的产品流，定位单个饼干，每隔一行进行索引和翻转，应用准确的填充量。
- 系统中的所有驱动器均由伺服控制，设置通过HMI进行配方控制。所有与尺寸相关的零件都经过防错处理，使尺寸零件更换变得简单、无需工具、快速且可重复。
- 在线夹心机具有极大的灵活性，可在不同产品尺寸和形状之间进行转换。
- 我们的系统设计用于运行精致的软蛋糕、线切割或旋转曲奇，这些曲奇的大小和形状会因上游工艺而发生变化。我们的浇注方法允许客户为奶油充气，提供美味的口感并节省原料成本。
- 每分钟高达200行饼干(100行夹心)的速度自动将顶部精确定位到底部。
- 可将馅料和顶部饼干的位置控制在 $\pm 1$ 毫米以内，将馅料的目标重量控制在 $\pm 1\%$ 的范围内，从而节省原料使用成本。
- 每分钟可生产多达5000个成品夹心饼。
- 尺寸从直径25-125毫米不等，还可生产方形和矩形产品，所有这些都可在同一台设备上快速完成。
- 系统宽度可达2米宽。



# B 饼干夹心机 Biscuit Sandwiching Machine

## COOKIE CAPPER

- The cookie capper system takes the complete product stream directly from the continuous oven belt, locating individual cookies, indexing and flipping every other row, and applying the exact amount of filling.
- All drives in the system are servo-controlled and settings are recipe controlled via HMI. All size-related parts are error-proofed, making size part changes easy, tool-less, fast and repeatable.
- Cookie capper machines offer great flexibility to change between different product sizes and shapes.
- Our systems are designed to run delicate soft cakes, wire cut or rotary cookies that vary in size and shape depending on the upstream process. Our filling method allows customers to aerate cream, providing a delicious flavor and saving on ingredient costs.
- Automatically position tops to bottoms at speeds of up to 200 rows of cookies (100 rows of sandwiches) per minute.
- Controls the position of the filling and top cookie within  $\pm 1$ mm. Saves ingredient usage costs by controlling the target weight of the filling within  $\pm 1$  %.
- Can produce up to 5000 finished sandwich biscuits per minute.
- Sizes range from 25-125 mm in diameter and can also produce square and rectangular products, all quickly on the same machine.
- System widths up to 2 meters wide.



## 排组合器

- ES-QS双道组合单元设计用于将2道夹心中的饼干或薄脆夹心饼干连续连接成一个2层的夹心堆垛，并将它们直接输送到枕式包装机的进料部分。
- 采用不锈钢和铝结构的卫生设计——产品区没有涂漆表面。
- 可开启式自动组合单元便于清洁和调整。
- 装置与夹心机机械同步，以确保产品传输的准确性。
- 每道每分钟组合速度高达700个夹心饼。
- 可处理各种形状的饼干，包括圆形、方形、矩形或特殊形状。
- 标准产品尺寸范围为35-60毫米。

## ROW COMBINER

- ES-QS row combiner unit is designed to continuously connect biscuit or thin crisp sandwich biscuit from a 2 lane sandwiching machine into a 2 layer sandwich stack and convey them directly to the infeed section of a flow wrapping machine.
- Hygienic design with stainless steel and aluminum construction - no painted surfaces in the product area.
- Openable automatic combination unit for easy cleaning and adjustment.
- Unit is mechanically synchronized with the sandwiching machine to ensure accurate product transfer.
- Combines up to 700 sandwiched biscuits per minute per lane.
- Can handle a variety of cookie shapes including round, square, rectangular or specialty shapes.
- Standard product sizes range from 35-60mm.

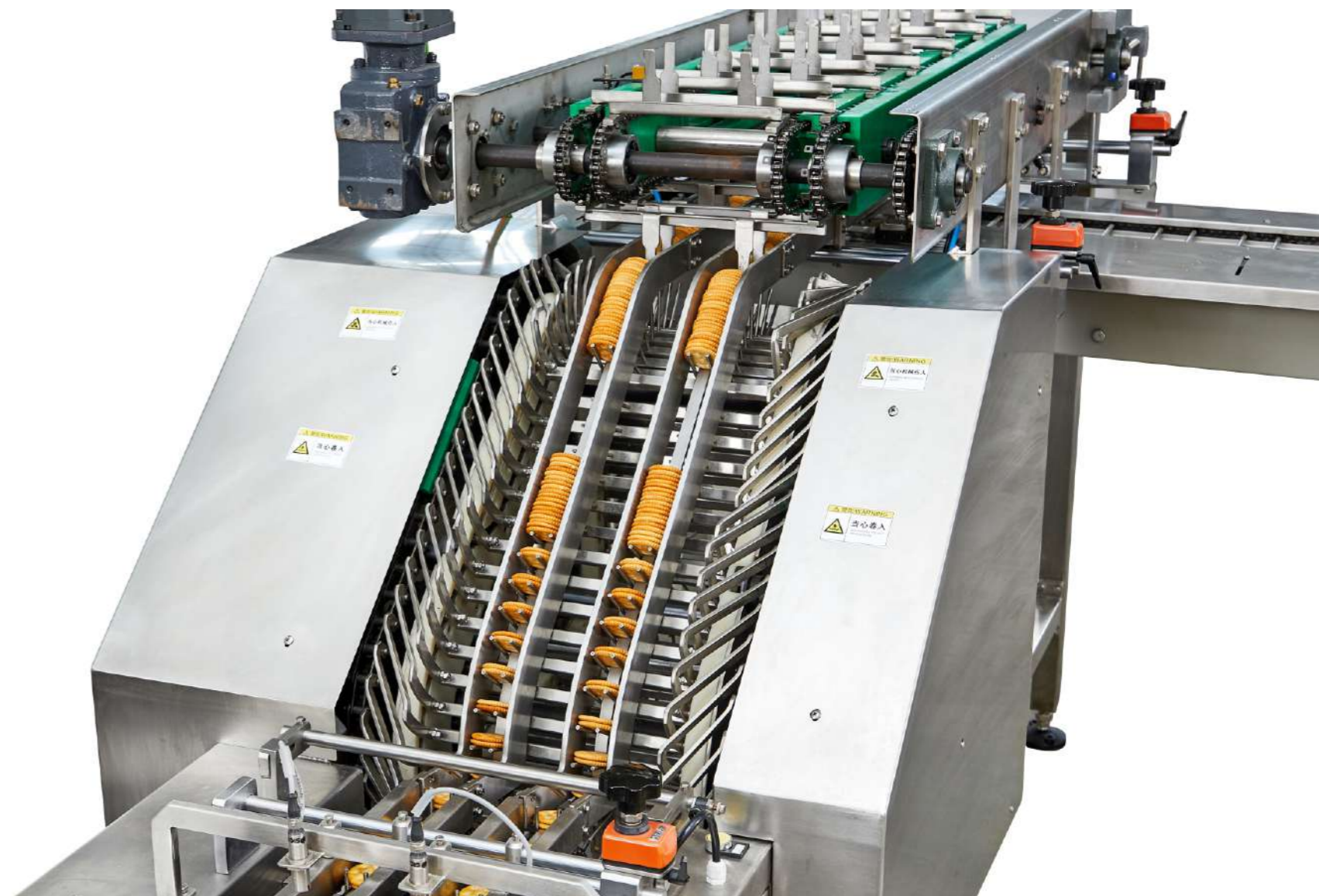


## 条装/无托盘装载机

- ES-SL是自动伺服驱动条装喂料机，当在线连接到长春1道至6道夹心机时，将完成的夹心饼分成组/块，并将它们输送到传送带进行无托，和信封包装。
- 1道至6道全伺服配置，满足生产需求。
- 根据包装长度，最大速度为每分钟60次喂料或每道700个夹心饼（以先到者为准）。
- 可处理各种形状的饼干，包括圆形、方形、矩形或特殊形状。
- 标准产品尺寸范围为35-60毫米。
- 设计是配方驱动的。在计数转换期间，操作员选择所需的配方，无需更换零件。
- 成品夹心饼被“定时”并精确地放入传送带进行包装。
- 设计确保轻柔地处理成品夹心饼。它结合了专门设计的推动器和固定器来处理底部导轨上的饼干。
- 全自动设计减少了人工成本、废料和人为错误，并提高了产量。

## SLUG LOADER

- ES-SL is an automatic servo-driven slug loader, when connected in-line to EverSmart 1 lane to 6 lane sandwiching machine, splits finished sandwiches into groups/slugs and transports them to the conveyor belt for on edge (Slug) and X-Fold packaging.
- Full servo configuration from 1 lane to 6 lanes to meet production requirements.
- Maximum speed of 60 feeding per minute or 700 sandwiches per lane (whichever comes first) depending on package length.
- Can handle a variety of biscuit shapes including round, square, rectangular or specialty shapes.
- The standard product size range is 35 mm - 60 mm.
- The design is recipe driven. During the count changeover, the operator selects the desired recipe without changing parts.
- The finished sandwich is "timed" and precisely placed on the conveyor for packaging.
- The design ensures gentle handling of the finished sandwich. It combines a specially designed pusher and retainer to handle the biscuits on the bottom rail.
- The fully automated design reduces labor costs, scrap and human error and increases output.



## 托盘机装载机

- ES-TL自动托盘喂料机,当在线连接到长春1道至6道夹心机时,将完成的夹心饼分组计数,将它们装入托盘并将托盘输送到传送带进行包装。
- 1道至6道配置以满足生产要求。
- 灵活: 可以装载单个或多排托盘。
- 速度取决于包装长度,最大速度为每分钟60次放置或每道700个夹心饼(以先到者为准)。
- 可处理各种形状的饼干,包括圆形、方形、矩形或特殊形状。
- 标准产品尺寸范围为35-60毫米。
- 采用不锈钢和铝结构的卫生设计——产品区没有涂漆表面。
- 成品夹心饼被“定时”并精确地放入托盘中。
- 通过夹心机和托盘装载机自动处理,无需冷却隧道和手动计数。
- 确保在托盘装载过程中轻柔地处理夹心成品。
- 全自动: 减少人工成本、废料和人为错误,并提高产量。



## TRAY LOADER

- ES-TL Automatic Tray Loader, when connected in-line to EverSmart 1 lane to 6 lane Sandwiching Machine, counts finished sandwiches in groups/slugs, loads them onto trays and transfers the trays to a conveyor for packaging.
- Configures from 1 to 6 lanes to meet production requirements.
- Flexible: Single or multiple rows of trays can be loaded.
- Speed depends on pack length; max speed is 60 placements per minute or 700 sandwiches per lane (whichever comes first).
- Can handle a variety of cookie shapes including round, square, rectangular or specialty shapes.
- The standard product size range is 35-60 mm.
- Hygienic design with stainless steel and aluminum construction - no painted surfaces in the product area.
- Finished sandwiches are “timed” and precisely placed in the trays.
- Is handled automatically by the sandwiching machine and tray loader, eliminating the need for cooling tunnels and manual counting.
- Ensures gentle handling of finished sandwiches during tray loading.
- Fully automated: reduces labor costs, scrap and human error, and increases output.



## 分饼机

- 长春提供全系列分饼机（ES-RM）。以满足各种生产需求。每种型号的分饼机都旨在最大限度地提高其所连接的长春夹心机的效率。
- 速度匹配机器输出。
- 处理圆形、方形、矩形和特殊形状。
- 直接耦合到夹心机。
- 将产品均匀分布在输出传送带上，以送入冷却隧道或涂层机进行进一步加工。
- 标准产品尺寸范围为35-60毫米。

## ROW MULTIPLIER

- ES-RM offers a full series of biscuit row multipliers to meet a wide range of production needs. Each model of biscuit row multiplier is designed to maximize the efficiency of the sandwiching machine to which it is connected.
- Speed matches machine output.
- Handles round, square, rectangular and special shapes.
- Directly couples to the sandwiching machine
- Distributes products evenly on the output conveyor for feeding into the cooling tunnel or chocolate en-robing or coating machine for further processing.
- Standard product sizes range from 35-60mm.



## 枕式包装机

我们的枕式包装机以及相关全自动集成系统，其产能高达每分钟500包。我们的系统适用于各种产品，包括巧克力、饼干、薄脆饼干、烘焙食品、能量棒、冷冻食品和其他固体产品，它们也可用于药品的包装。

- 伺服驱动系统提供简单的维护通道和卫生的直通式设计。
- 易转换设计，机器侧面调整简单。采用不锈钢和铝结构的卫生设计——产品区没有涂漆表面。
- 产品尺寸范围产品
  - 长度40-500毫米
  - 产品宽度12-200毫米
  - 产品高度6-100毫米
- 卷膜轴
  - 最大卷膜直径450毫米
  - 最大卷膜重量45公斤
  - 内芯轴直径70毫米
- 输出
  - 最高输出500包/分钟
- 卷膜速度最高50米/分
- 自动定心卷膜辊
- 卷膜/薄膜破损检测
- 卷膜自动拼接
- 自动卷膜跟踪
- 充气装置
- 插角装置
- 无产品-无卷膜功能
- 空气剔除不正确或空的包装

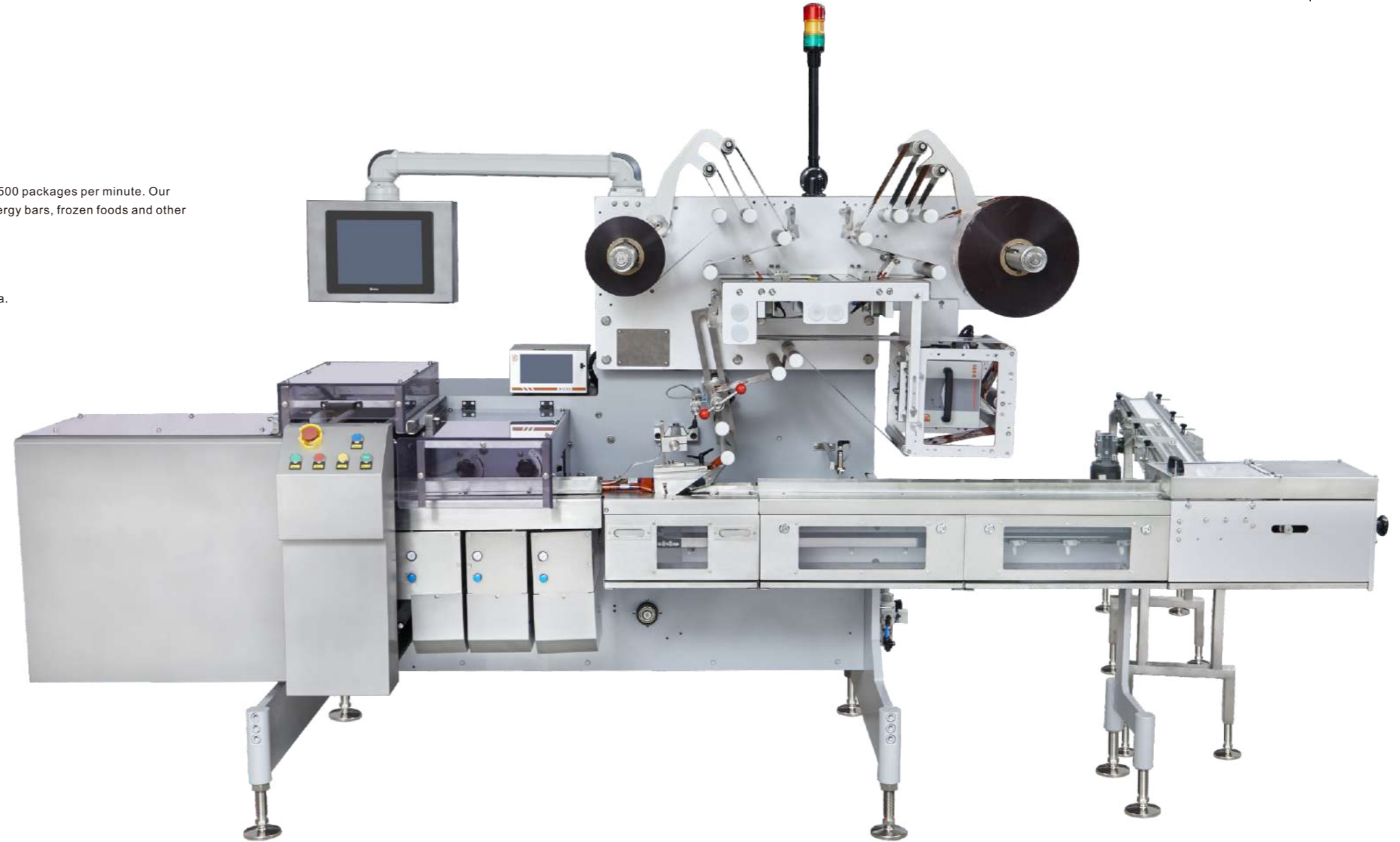


更多选项可根据要求提供.....

**FLOW PACKAGING MACHINE**

Our flow wrapping machines and associated fully automated integrated systems have capacities of up to 500 packages per minute. Our systems are suitable for a wide range of products including chocolates, cookies, crisps, baked goods, energy bars, frozen foods and other solid products, and they can also be used to package pharmaceuticals.

- The servo-driven system offers easy maintenance access and a hygienic pass-through design.
- The easy-conversion design has simple machine side adjustments.
- Hygienic design with stainless steel and aluminum construction - no painted surfaces in the product area.
- Product size range
  - Product length 40-500 mm
  - Product width 12-200 mm
  - Product height 6-100 mm
- Film Rolling Shafts
  - Maximum film diameter 450 mm
  - Maximum film weight 45 kg
  - Inner core shaft diameter 70 mm
- Output
  - Output up to 500 packages/minute
- Wrap speed up to 50 m/min
- Automatic centering rollers
- Roll/film breakage detection
- Automatic film splicing
- Automatic film tracking
- Inflation
- Corner insertion device
- No product - no roll film function
- Air Rejects Incorrect or Empty Packages



More options available on request.....