

FORTUNE COOKIE PRODUCTION LINE - FULLY AUTOMATED MANUFACTURING SYSTEM

幸运饼干生产线 - 全自动制造系统

This complete fortune cookie production line delivers high-speed, fully automated manufacturing from batter preparation through final packaging.
这条完整的幸运饼干生产线提供从面糊制备到最终包装的高速、全自动制造。

Engineered for consistent quality and maximum efficiency, this turnkey system produces 160-240 fortune cookies per minute.
该交钥匙系统专为一致的质量和最高的效率而设计，每分钟可生产160-240个幸运饼干。



KEY PERFORMANCE SPECIFICATIONS / 关键性能指标

Parameter / 参数	Specification / 规格说明
Production Capacity / 生产能力	160-240 pieces/minute (variable speed) / 每分钟160-240个 (可变速度)
Gas Consumption / 燃气消耗	Approximately 1.5 CCF/hour @ 0.075 psi / 约1.5 CCF/小时
Machine Dimensions / 机器尺寸	L 11,100mm x W 1,690mm x H 2,200mm (36'5" x 5'7" x 7'3")
Footprint / 占地面积	Approximately 18.8 square meters / 约18.8平方米
Speed Control / 速度控制	Infinitely variable via VFD / 通过变频器无级变速
Energy Source / 能源	Natural gas or propane (baking) / 天然气或丙烷 (烘焙)
Power Requirements / 电力需求	380V/220V 3-phase (electrical components) / 380V/220V 三相电
Production Mode / 生产模式	Continuous automated operation / 连续自动化运行

Note: Dimensions exclude optional packaging machine / 注: 尺寸不包括选配的包装机。

1. SLURRY FEED SYSTEM (OPTIONAL) / 1. 面糊供应系统 (选配)

AUTOMATED BATTER PREPARATION / 自动化面糊制备

- **Automated Mixing & Dosing: maintains consistent viscosity.**
自动化混合与配料: 保持一致的粘度。
- **Temperature Control: Jacketed tanks for uniform baking.**
温度控制: 夹套搅拌罐确保均匀烘焙。
- **Continuous Supply: Constant feed without interruptions.**
持续供应: 不间断的恒定面糊进料。

SYSTEM BENEFITS / 系统优势

- **Eliminates 1-2 manual mixing operators.**
减少1-2名面糊混合操作工。
- **Reduced material waste from batch variations.**
减少因批次差异造成的材料浪费。
- **Improved food safety through enclosed systems.**
通过封闭系统提高食品安全。

2. PRECISION BAKING SYSTEM / 精密烘焙系统

HIGH-CAPACITY BAKING STATIONS

Multi-Plate Configuration: 12-18 individual baking plates operate simultaneously.

多板配置: 12-18个独立的烘焙板同时工作。

Gas Heating: Efficient natural gas or propane burners.

燃气加热: 高效的天然气或丙烷燃烧器。

BAKING PROCESS / 烘焙过程

Automated batter deposition onto heated plates.

面糊自动沉积在加热板上。

Mechanical transfer removes cookies for forming.

机械传输系统取出饼干进行成型。

3. AUTOMATED FORTUNE INSERT & FORMING SYSTEM / 3. 自动签条插入与成型系统

FORTUNE PAPER FEEDING / 签条纸进料

Automated Fortune Dispenser: Continuous feeding from rolls.

自动签条分配器: 从卷筒连续喂料。

Speed Synchronization: Perfectly timed with cookie transfer.

速度同步: 与饼干传输完美同步计时。

COOKIE FORMING MECHANISM / 饼干成型机构

Hot Cookie Transfer: Immediate transfer while pliable.

热饼干传输: 在饼干保持柔软时立即传输 (关键时机)。

Secondary Bend: Shaping the characteristic "wing" shape.

二次弯曲: 塑造幸运饼干标志性的“翅膀”形状。

COMPARISON: MANUAL VS. FULLY AUTOMATED / 对比: 人工 VS. 全自动

Feature / 特性	Manual Production / 人工生产	Fully Automated Line / 全自动生产线
Production Rate / 生产速率	20-40 pieces/min	160-240 pieces/min
Labor Required / 所需人工	8-12 workers	1-3 workers
Consistency / 一致性	High variation / 差异大	Excellent uniformity / 极佳一致性
Breakage Rate / 破损率	15-25%	2-3%
Hourly Output / 每小时产量	1,200-2,400	9,600-14,400
Food Safety / 食品安全	High touch contact / 接触多	Minimal contact / 接触极少

IDEAL APPLICATIONS / 理想应用场景



ASIAN RESTAURANTS / 亚洲餐厅



RETAIL MANUFACTURING / 零售制造



SPECIALTY SNACKS / 特色零食



EXPORT MARKETS / 出口市场

RETURN ON INVESTMENT / 投资回报分析

Labor Cost Savings: Reduction of 5-9 workers per shift.
人工成本节省：每班减少5-9名工人。

Typical Payback Period: 18-36 months.
典型投资回收期：18-36个月。

TECHNICAL ADVANTAGES / 技术优势

Critical Forming Timing: Folded within 3-5 seconds.
关键成型时机：在离开烘焙板后3-5秒内折叠。

Hygienic Design: Stainless steel contact surfaces.
卫生设计：所有食品接触面均为不锈钢材质。

HIGH-SPEED AUTOMATION. AUTHENTIC QUALITY.

Transforming fortune cookie production with complete integration.

PRECISION ENGINEERING BY BEIJING WINTEC

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Note: Complete system design customized to specific requirements.