淘气煲 TD25-C型炒机
TD25-C Model Automatic Roaster



产品特点
Product features

TD25-C淘气煲外观小巧，内部配置静电除尘系统，炒出的瓜子干净无污染；
Volume of TD25-C model automatic roaster is compact. In this roaster have electrostatic dust collection system so it is very clean when roast sunflower seeds.

技术参数
Technical Parameters

品名及产品型号 Model	额定生产力kg/h Capacity	总机功率 Power	单机尺寸(长×宽×高)m Overall size L×W×H (m)	重量kg Weight
淘气煲 TD25-C型炒机 TD25-C Model Automatic Roaster	15-25	15.5KW电磁型 15.5Kw electromagnetic type	1.96×0.8×1.45	360

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壁流式自动炒机50-C型
50-C Model Wall-flow Automatic Roaster



产品简介
Product Introduction

50-C型淘气煲采用了流水式连续作业模式，炒熟的瓜子均匀有序的从炒机里蹦出，从视觉上让消费者感到干净卫生，赏心悦目，深受需要小型设备的消费者喜爱。

50-C model automatic roaster is flow-style working pattern. The finshed products from the outlet of the manchine at uniform velocity make the consumers feel clean, hygienic and pleasing to the eye. It is favored by customers who need small equipments.

产品特点
Product features

◎ 流水式连续生产，芽黄率高，质量稳定；
It is continuous roaster equipment.Finished products kernel of sunflower seeds color at high rate. The finished products have stable quality;
◎ 采用炒点跟踪技术，一元化操作控制，不会炒瓜子的人也能轻松使用；
Roast time tracking technology and unitization operation make it more convenient for customer who do not know the roast sunflower seeds can easy to use this machine;
◎ 瓜子炒制期间，产生的蒸汽和粉尘通过旋风除尘器净化后排出，干净无污染；
The steam and dust are purified by cyclone dust extractor to keep the environment clean;
◎ 以精盐作为介质，内循环连续使用，90秒即可把瓜子炒熟；
Salt is medium which is internal circulating and continuous duty.The roast time is only 90 seconds;
◎ 一体化的结构设计，并配有脚轮，具有占地面积小，移动方便等特点；
Features:structural design is integration、with casters、small volume、convenient to move.

技术参数
Technical Parameters

品名及产品型号 Model	额定生产力 kg/h Capacity	总机功率 Power	单机尺寸(长×宽×高)m Overall size L×W×H(m)	重 量 Weight
壁流式自动炒机50-C型 50-C Model Wall-flow Automatic Roaster	50-60	2kw燃烧机型 2Kw burning machine type 32kw电磁型 32Kw electromagnetic type	2.65×0.72×1.57	1.1t 750kg

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BGH150-C 原味炒机
BGH150-C Model Automatic Roaster



单机参数
Technical Parameters

品名 Models	单机尺寸（长×宽×高）m Overall sizeL×W×H (m)	产量 kg/h Capacity	功率 kw Power	重量 t Weight
BGH150-C	7.02×1.1×2.220	400-500	2.25	3.3

BGH150-C型 原味炒机线
BGH150-C Model Automatic Roaster Production Line

适用范围Application：原味葵花籽、葫芦籽、南瓜子、西瓜子、苦荞等小颗粒物料。
Sunflower seeds、 Gourd seeds、Pumpkin seeds、Watermelon seeds 、Tartary buckwheat and other Small granule materials .



产品简介
Product Introduction

BGH150–C型炒机是一款连续自动炒机，炒机内投放介质150公斤，每分钟干燥的瓜子16公斤左右,以10比1的比例为瓜子脱水，两分钟完成炒制过程，因大量的介质包裹着瓜子，所以瓜子受热均匀而且对表皮形成有效保护，炒熟的瓜子芽黄率高，不掉皮不脏手。全钢的外壳美观大方，严谨的链条传动设计没有噪音，有效的水式除尘保护了生产环境，热转换技术降低了成本。
BGH150–C model roaster is a continuous automatic roaster equipment. The medium weight is 150kgs.It dries sunflower seeds about 16kgs per minute.Dehydration ratio is 10:1. it finishes roasting in 2 mins.The medium wrap the sunflower seeds which protect the skin of sunflower seeds and make the sunflower seeds heated evenly.Finished products kernels of sunflower seeds color rate at 99%.The skin of sunflower seeds well–preserved.The sunflower seeds are clean. This roaster uses stainless steel at outside.The contour is artistic.The chain drive design is noiseless.Water type dust removel protect the environment. Thermal conversion technology reduce costs to the maximum.

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邢台市天元星食品设备有限公司
XINGTAI CITY TIANYUANXING FOOD EQUIPMENT CO., LTD

BGH600-C型自动炒机/ BGH600-C Model Automatic Roaster



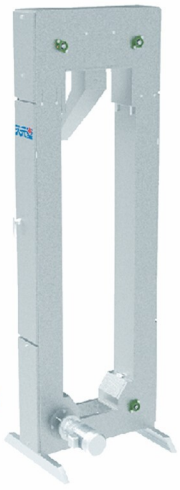
配套设备
Supporting Equipment

多级振动筛选机
Multilevel vibrating screen machine





振动冷却床
Vibrating cooling machine



门式提升机
Gate-type hoister



水式除尘器
Water type dust collector

BGH600-C原味自动炒机线参数
Technical Parameters of BGH600-C Model Automatic Roaster Production Line

名 称 Items	产量(葵花籽) Capacity(sunflower seeds)	总功率 Power	生产线尺寸（长×宽×高） Production line size	总装质量 Weight
600-C原味炒机线 600-C model automatic roaster Production Line	＜800Kgs/h	14.6Kw	13×9.3×2.85m	9.5/t
炒机表皮温度 Surface temperature of roaster	工作长度 Operative length	破损率 Damage rate	脱水量 Dehydration capacity	
＜60°C	8.5m	＜0.1%	120kgs/h	
炒锅转速 Rotate speed	料仓容量 Volume of feed hopper	提升量（葵花籽） hoist capacity (sunflower seeds)	介质最高温度 Maximum temperature of medium	介质数量 Quantity of medium
7-16 r/min	100kgs	＜1000kgs/h	＜360°C	600kgs

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BGH600-C型自动炒机
BGH600-C Model Automatic Roaster



产品简介
Product Introduction

BGH600-C型自动炒机，是壁流式工艺家族的第三代产品，隶属高温炒制设备，具有天元星研发能力的代表性，自2014成功上市以来，获得市场认可，设计合理、性能稳定是其特点，也是国内炒制原味瓜子使用较多的设备。
The BGH600-C model automatic roaster is the third generation of wall-flow type roaster. It is a high temperature roasting equipment.It is the most representative of Tianyuanxing's research and development capability.Since its successful entry into the market in 2014, it has been recognized by the market.The most important feature is properly designed and has stable performance. It is widely used in China.

产品特点
Product features

◎ 可炒制原味葵花籽，花生米、葫芦籽、豆类等物料，有效炒制时间12分钟；
It can roast sunflower seeds、 peanuts、 gourd seeds、beans etc.The roast time 12 minutes;
◎ 葵花籽每小时产量可达800kg；
The output of sunflower seeds can reach 800kgs per hour;
◎ 可选择天然气、液化气、柴油、煤转气、生物颗粒作为热源；
Heat medium:natural gas、liquefied gas、diesel oil、coal-to-gas、bio-particled;
◎ 用盐作为换热介质干净卫生，瓜子受热均匀，而且对表皮形成有效保护，炒熟的瓜子芽黄率高，皮毛亮，不掉皮不脏手；
Heat exchange medium is salt which is clean and hygienic. Salt can protect the skin of sunflower seeds and make the sunflower seeds heated evenly.After finised roast the sunflower seeds skin is bright and shine.Finished products kernel of sunflower seeds color rate at 99%;
◎ 配套的成品处理，由多级振动筛选、冷却、除尘系统组成，形成产品质量保障；
Finished product processing include multilevel vibrating screen machine、cooling machine、dust collector.They are quality assurance for finished product;
◎ BGH600-C型炒机展现给您的是：一名职工、一台炒机、一个小时、800kg的产量；
The BGH600-C model automatic roaster show to you: one worker、one roaster、one hour、output 800kg;

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BD-R45 天元星炒豆机
BD-R45 Automatic Roaster For All Kinds Of Beans



产品介绍
Product Introduction

BD-R45型炒豆机，采用壁流式炒制工艺，隶属于高温炒制设备，2019年试验成功，研发方向针对于生产各种豆类，解决豆类在高水份的条件下，高温快速膨化的问题。

BD-R45 automatic roaster use wall-flow technology. It is high temperature roasting equipment. The experiment was successful in 2019. Research direction is aimed at all kinds of beans.It solve beans which at high-moisture condition expanding in high temperature.

产品特点
Product Features

1、根据物料颗粒大小、水分高低的特点，调节到适合的炒制温度及炒制时间;
You can adjust the roasting temperature and time according to the material size and moisture;
2、温度控制范围50–300度，炒制时间3–12分钟;
Temperature range 50–300 degrees.Roasting time 3–12 minutes;
3、服务品种:各种豆类、花生果、花生米及瓜子等;
Application：all kinds of beans, peanuts, peanuts kernels and sunflower seeds etc;
4、能源可使用:天然气、液化气、电磁、柴油、生物颗粒;
Heat medium:natural gas、liquefied gas、electromagnetism、diesel oil、bio–particled;
5、工作能力：每小时脱水150公斤;
Dehydration capacity:150kgs per hour;

炒豆机技术参数
Technical Parameters of BD-R45 Automatic roaster

品名及产品型号 Model	额定生产力kg/h Capacity	总机功率 Kw Power	重 量 t Weight	单机尺寸(长×宽×高) m Overall size L×W×H(m)	炒制时间 Roasted time
R45炒豆机 R45Automatic roaster	300-500	10.4	12	12.3×1.6×2.53	5-12mins

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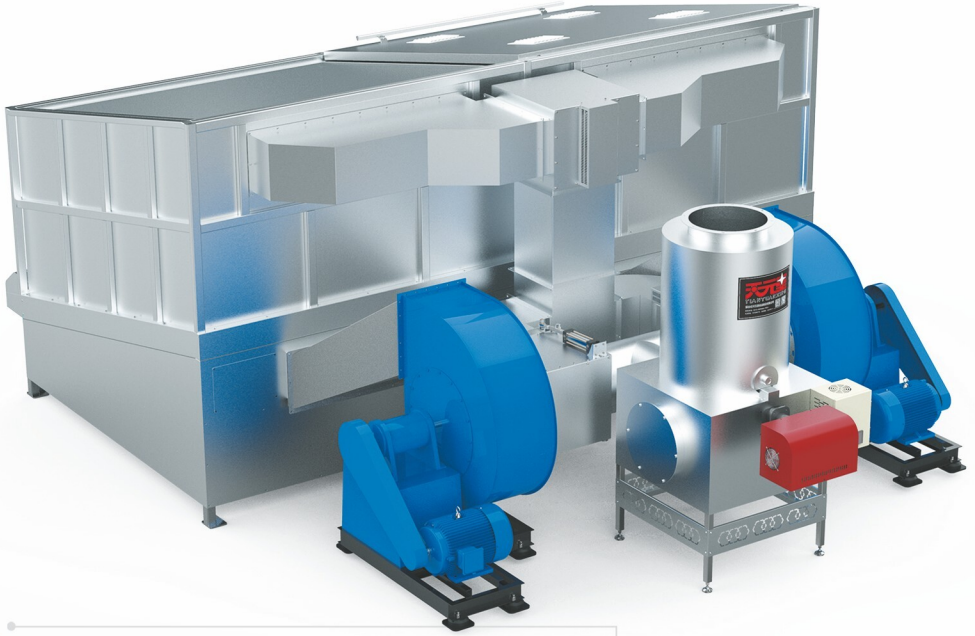
单层并联式节能烤池（卧式）
Single Layer Energy Conservation Parallel Connection Type Drying Pool(Horizontal Type)

创新无止境◆术业有专攻



产品特点
Product Features

1、节 能：两个烤池配一台热风炉，当1号烤池把物料干燥到70%的时候，高温尾气自动转换到2号烤池进行烘烤，周而复始使用，节能效果达到30%以上；
Energy conservation:two drying pool use one hot air stove. When the material dries to 70% in the NO.1 drying pool,the high-temperature gas transfer to the No.2 drying pool,go round and begin again,the energy saving more than 30%;
2、环保：因两个烤池同时工作只使用了一台风机的风流，因此减少了50%的尾气排放，降低扬尘80%以上；
Environmental protection:two drying pool use one hot air stove so it is reduces 50% exhaust emissions and more than 80% dust;
3、风流转换不影响烘烤温度，并在风机上增加了风门，可以根据客户要求调整烘烤时间；
The air flow deliver is not affect the drying temperature.The damper on the blower which can adjust the drying time according to customer requirements;
4、图示配备天然气直燃热风炉，还可以配备生物颗粒及蒸汽等多种热源；
Drying pool use natural gas hot aire stove in diagram.It can also use bio-particled、steam and others heat medium.
5、操作平台上配置液晶显示屏，可实时监控出料速度，人员在工作平台上操作即可；
The operating platform equipped with an LCD screen which monitor the speed of the discharges in real time.The operator can operate on the working platform;

单组并联烤池技术参数
Technical Parameters of Single layer Energy Conservation Parallel Connection Type Drying Pool

项目 Items	外形尺寸长×宽×高m Overall size L×W×H(m)	功率kw Power	用气量 m^3/h Gas Consumption	产 能 kg Capacity	重量 t Weight	单池容积 m^3 Single Pool Volume
技术参数 Technical Parameters	4.82×6.6×2.6	16.5	10–25	瓜子 1500/单池 花生 2000/单池 sunflower seed 1500kgs/singlepool peanut 2000kgs/single pool	4	6

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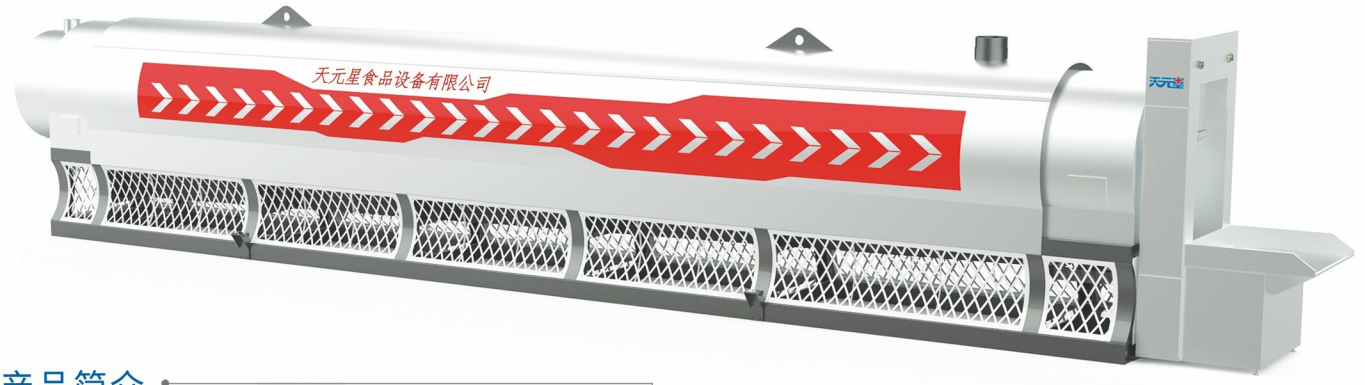
原味花生炒机 Natural-Flavor Peanut Automatic Roaster



产品简介
Product Introduction

BH-R45原味花生炒机，是天元星19年研发的花生专用炒制设备，其设计采用壁流式介质循环技术，螺距旋转推进工艺，介质与花生的混合比达到了15：1，换热面积达到98%，芽黄率99%，炒制时间达到16-20分钟，加大换热面积是为了降低炒制温度，高温产品用低温炒制的目的，是确保花生皮毛颜色及果仁的均匀度。

BH–R45 Natural–flavor peanut automatic roaster was research and development in 2019.It is a special equipment for roasting natural–flavor peanut.It uses wall–flow type medium circulation and rotating pitch propulsion technology.Medium and peanut mix ratio is15:1.Heat exchange area reach 98%.Finished products kernel of peanut color rate at 99%.Roast time: 16–20 minutes.Increasing the heat exchange area which reduces the roast temperature.The purpose is high temperature products roast at low temperature to make sure the color of skin and nut evenly.

产品特点
Product Features

1.流水式连续炒制，介质在炒机内循环加热重复使用；
It is continuous roaster equipment.Medium is cyclic heating and reusing.
2.根据产品质量的要求炒制时间可在16-20分钟范围调整，炒制时间决定了产量的多少；
According to the quality of material the roast time from 16 to 20 minutes;
3.能源可选用天然气、柴油、液化气及生物颗粒；
Heat medium:natural gas、diesel oil、liquefied gas and bio–particled;
4.介质最好选用大颗粒精盐，炒出的花生均匀度好、皮色白不脏手；
The best choice of medium is large particle salt. It is make the color of skin more white and uniformity better;
5.BH-R45原味花生炒机的设计，实现了高温产品低温炒制的工艺，芽黄率实现99%，花生表皮的颜色浅白、自然；
BH–R45 Natural–flavor peanut automatic roaster achieved that the high temperature products roast at low temperature.Finished products kernel of peanut color rate at 99%.The surface colour of peanut more white and natural;
6.炒好的花生经过冷却、筛选及配套除尘系统，就形成一条完整的生产线；
Finished product processing include cooling machine、vibrating screen machine and dust collector.They are a whole production line;

花生炒机技术参数
Technical Parameters Of Natural-flavor Peanut Automatic Roaster

品名及产品型号 Model	额定生产力kg/h Capacity	总机功率 Kw Power	重量t Weight	单机尺寸(长×宽×高)m Overall size L×W×H (m)	炒制时间 Roasted time
R45花生炒机 R45 Peanut Automatic Roaster	300-500	10.4	12	11×1.75×2.53	8.5mins
R60花生炒机 R60 Peanut Automatic Roaster	800-1000	17.1	18	15.1×2×2.93	17mins

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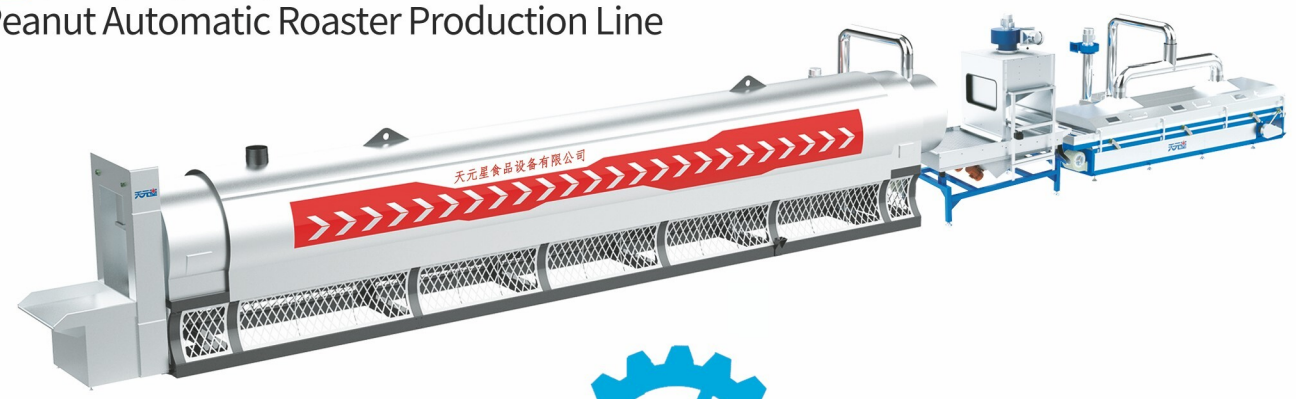
邢台市天元星食品设备有限公司
XINGTAI CITY TIANYUANXING FOOD EQUIPMENT CO., LTD

花生炒机流水线
Peanut Automatic Roaster Production Line



配套设备
Support Equipment



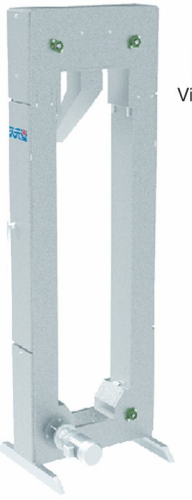
多级振动筛选机
Multilevel Vibrating Screen Machine



螺旋除尘器
Spiral Type Dust Collector



振动冷却床
Vibrating Cooling Machine



门式提升机
Gate-type Hoister



水式除尘器
Water Type Dust Collector

原味花生线技术参数
Technical Parameters of natural-flavor peanut automatic roaster production line

品名及型号 Model	额定生产力kg/h Capacity	总机功率 Kw Power	尺寸(长×宽×高)m Overall size L×W×H(m)	炒制时间 Roasted time
R45原味花生线 R45 Natural-flavor peanut automatic roaster production line	300-500	20.5	21×2.4×2.6	8.5mins
R60原味花生线 R60 Natural-flavor peanut automatic roaster production line	800-1000	31.5	25×2.6×3.0	17mins

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天元星R90
脱皮炒机



R90 Peeling Sunflower Seeds Automatic Roaster

天元星R70
脱皮炒机



R70 Peeling sunflower seeds automatic roaster

产品简介
Product Introduction

脱皮瓜子是个传统食品，隶属高温炒制系列，为解决生产中严重污染问题，天元星团队经过多年研发陆续推出:内外加热工艺、高温尾气利用、负压炒制环境、皮毛集中回收，太空车上料、脉冲沉降综合除尘、平面燃烧等新型工艺。

Peeling sunflower seeds is traditional food and high temperature roast food.In order to solve the serious pollution problem，Tianyuanxing team research and development many years.we have launched new technologies include internal and external heating technology、high-temperature off-gas utilization、 negative pressure roast environment、skin and peel recycling、automatic feeding device、pulse sedimentation comprehensive dust removal、plane combustion and other new technologies.

技术参数
Technical Parameters

品名及产品型号 Model	额定生产力kg/锅 Capacity	外形尺寸（长×宽×高）m Overall size L×W×H（m）	功率kw Power	炒制时间h/锅 Roast time	出料方式 Discharge method
R90脱皮炒机 Peeling sunflower seeds automatic roaster	500	8.1×2.4×3.8（含30芯脉冲除尘） 30 Pulse Dust Collector	18.3	2.5	前、后出料 front or rear outlet
R70脱皮炒机(单机) Peeling sunflower seeds automatic roaster		7.2×2.8×3.1	18.25		前出料 Front outlet

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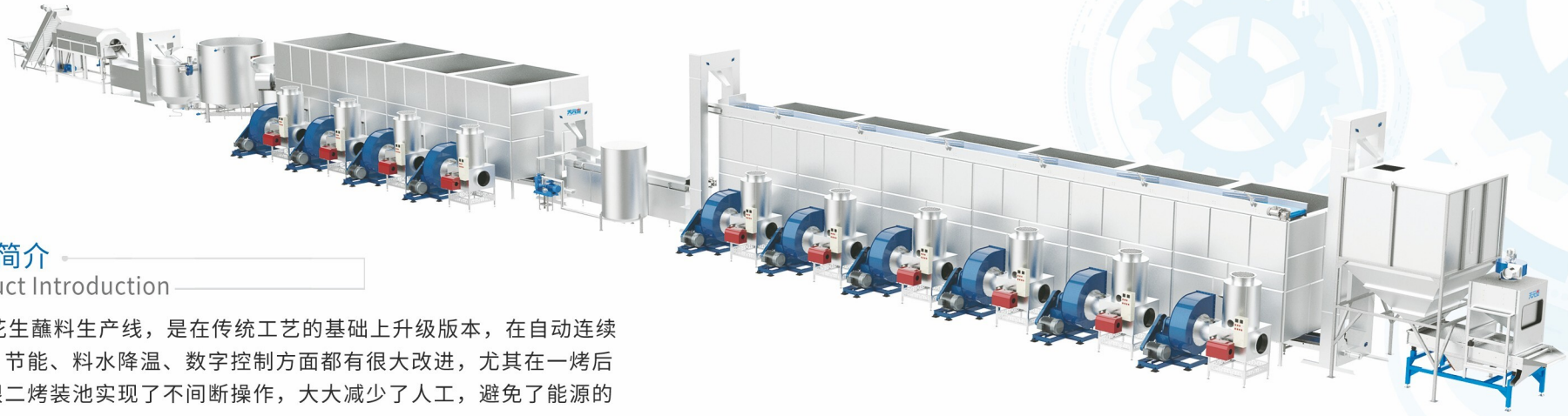
TIANYUANXING

24款 花生烘烤生产线（蘸料型）
Peanut Roaster Production line （Dipping Saline Type）



产品简介
Product Introduction

24款花生蘸料生产线，是在传统工艺的基础上升级版本，在自动连续生产、节能、料水降温、数字控制方面都有很大改进，尤其在一烤后蘸料跟二烤装池实现了不间断操作，大大减少了人工，避免了能源的浪费。

产品特点
Product Features

◎自动连续生产

◎节省能源、减少人工投入

◎数字化控制、料水降温

◎一烤后蘸料、二烤装池连续操作



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生产线技术参数
Technical Parameters

项 目 Items	外形尺寸长×宽×高m Overall Size L×W×H(m)	额定生产力t/天 Capacity	总功率 kw Power
花生烘烤生产线（蘸料型） Peanut Roaster Production line(Dipping Saline Type)	57×7.2×5.3	10	84

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① 泡豆 ② 淋水 ③ 发酵 ④ 温控 ⑤ 炒制 ⑥ 返酥 ⑦ 冷却 ⑧ 筛选

24款炒豆生产线
Bean Roaster Production Line

生产线技术参数
Technical Parameters

项目 Items	外形尺寸长×宽×高m Overall Size L×W×H(m)	额定生产力t/天 Capacity	总功率 kw Power
24款 炒豆生产线 Bean Roaster Production Line	47×2.9×4.3	12	32



产品简介
Product Introduction

24款炒豆生产线是天元星研发团队的又一成果，目前在国内未发现有类似的生产工艺，从泡豆、淋水、发酵、温控、炒制、返酥、冷却、筛选等工艺全部实现了数字化控制。

产品特点
Product Features

1、日产12吨的整线生产线，从泡豆开始只需一人操作。
2、全部工艺可实现数字化管控模式，确保产品质量。
3、装配泡豆温控系统后，可不受季节气温的影响。
4、可升级成无人操作远程控制,减少了劳动力。



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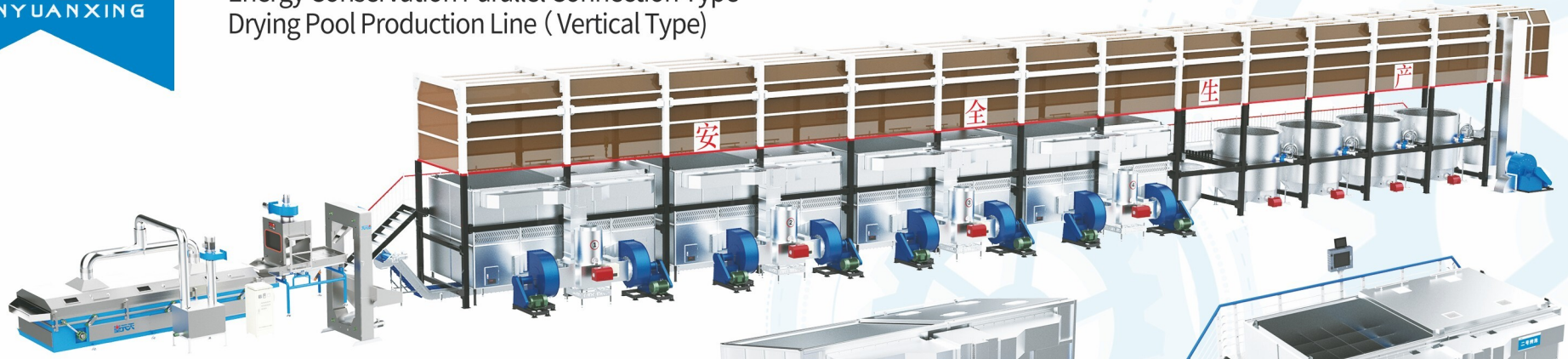
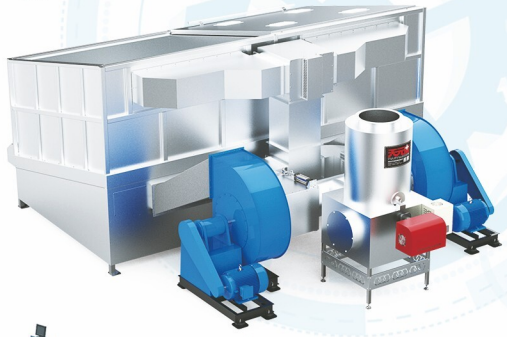
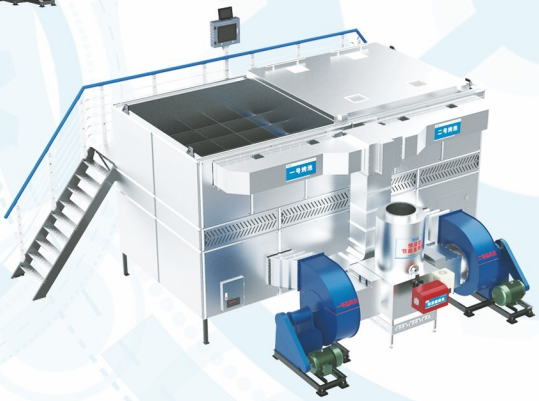
天元星
TIANYUANXING

并联式节能烤池生产线(立式)
Energy Conservation Parallel Connection Type
Drying Pool Production Line（Vertical Type)





并联式节能烤池(卧式)



并联式节能烤池(立式)



并联式节能烤池生产线(卧式)
Energy Conservation Parallel Connection Type
Drying Pool Production Line（Horizontal Type)

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日产瓜子 40吨

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① 清洗 ② 蒸煮入味 ③ 分料 ④ 高温烧烤 ⑤ 冷却筛 ⑥ 风选 ⑦ 炒制 ⑧ 镜面除渣 ⑨ 接力输送 ⑩ 定量料仓 ⑪ 抛光锅 ⑫ 成品打包

日产10吨西瓜子烘烤工艺生产线

Daily Capacity 10tons Watermelon Seeds Roaster Production line



产品简介 Product Introduction

西瓜子产品质量三大特点：好吃、好嗑、好看，以上技术要求形成了整个行业的技术门槛，天元星研发团队以十年之功开发出这套新型生产工艺，此工艺采用380°高温干燥，因此命名为烧瓜子。

Watermelon Seeds have three characteristics:tasty、easy to shell、good-looking. The technology for these characteristics is technical threshold in the Chinese nuts and roasted seeds industry. Tianyuanxing research and development team，which has a decade of experience in this field developed this new production technology which roasts temperature at 380 degree. So after roast the watermelon seeds was named Shaoguazi.

产品特点 Product Features

1.自动化程度高：此生产线实现连续性生产模式，从清洗到表面处理一气呵成。

2.高温提香：采用380°高温工艺，使煮过的瓜子在三分钟内实现脱水，不仅提升了瓜子本身的香味，还避免了长时间炒制导致的花皮现象。

3.外壳鼓胀：西瓜子炒机用100秒的时间让瓜子迅速鼓起，食用时比传统工艺加工出来的成品更加好嗑。

4.此生产工艺另一亮点，在于对瓜子表皮形成保护，使成品表皮边黑心白，卖相极佳。

1、High automaticity：This production line is continuous production which has integrated all the processes of production from washing to surface treatment.

2、High temperature enhances aroma：Roasting temperature is 380 degree.The boiled watermelon seeds are dehydrated within 3minutes. This way enhances watermelon seeds' aroma and avoids damage to the skin of watermelon seeds caused by long roasting time.

3、Bulgy shell : Watermelon seeds are bulged within 100 seconds when roast them. The finished products are easier to shell compared with the products processed by traditional baking methods.

4、Products another highlights：This produce technology keeps the center of the watermelon seeds' skin white and the edge of the watermelon seeds' skin black. So the watermelon seeds are beautifully presented and sell well.

生产线技术参数 Technical Parameters

项目 Items	外形尺寸长×宽×高m Overall Size L×W×H(m)	额定生产力t/天 Capacity	总功率 kw Power
西瓜子烧烤工艺线 Daily Capacity 10tons Watermelon Seeds Roaster Production line	28.6×8.2×3.7	10	65

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创新无止境◆术业有专攻

清洗机
Watermelon seeds Washing Machine



高温烧烤机
Watermelon seeds High Temperature Heating Machine



蒸煮入味
Watermelon seeds Boiling Pot





分料机
Watermelon seeds Separating Machine



抛光锅
Watermelon seeds Polishing Machine



西瓜子炒机
Watermelon seeds Roaster

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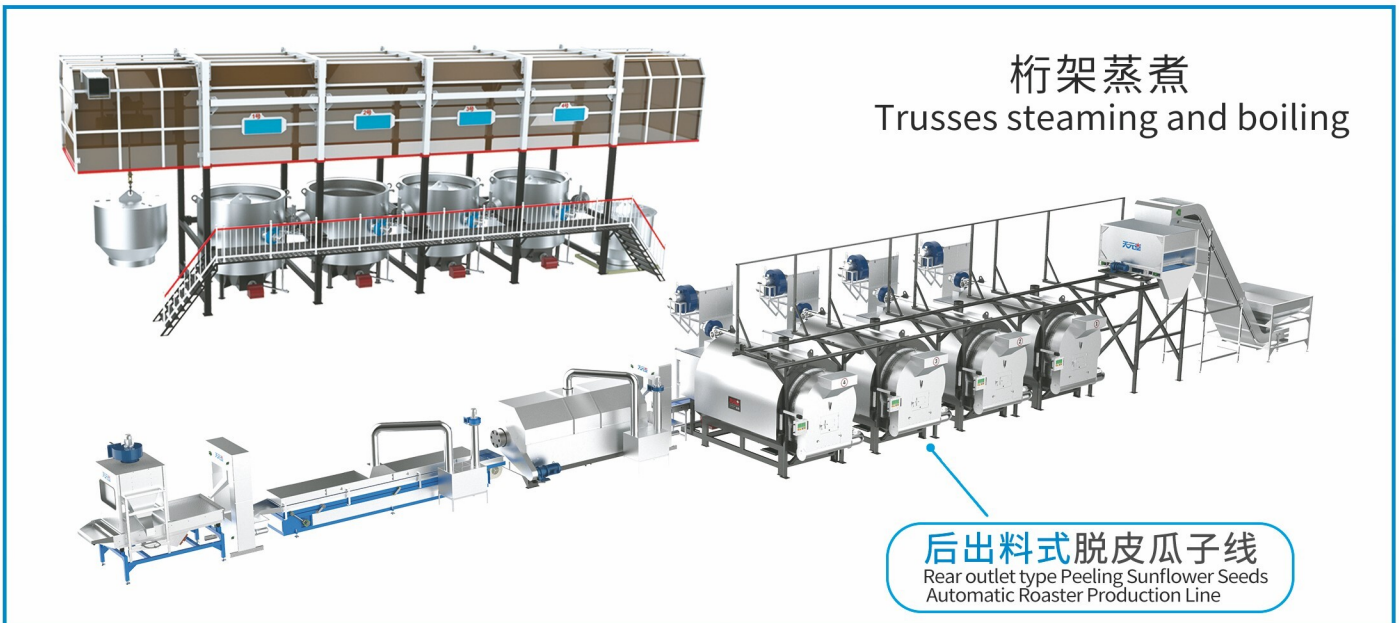
R90脱皮瓜子生产线

R90 Peeling Sunflower Seeds Automatic Roaster Production Line



日产20吨，脱皮瓜子生产线/Daily capacity 20tons



产品简介
Product Introduction

1、桁架蒸煮，有效回收蒸汽,避免了无组织排放；
Trusses steaming and boiling recover the steam and avoid inorganized emission.
2、沸腾式煮锅，节时节能,精确控制瓜子吃水率；
Boiling cooker save time and conserve energy.It can precise control the sunflower seeds' moisture content
3、太空车上料，一键启动送料进锅，前出料或者后出料可选择，提升了生产自动化；
Automatic feeding device use a key starting device to finish the feeding material.You can choose front or rear outlet. This design enhance automation.

脱皮瓜子线技术参数
Trusses type peeling sunflower seeds automatic roaster production line Technical Parameters

品名及产品型号 Model	额定生产力kg/锅 Capacity	外形尺寸（长×宽×高）m（四组） Overall size L×W×H(m)	功率kw Power	炒制时间h/锅 Roast time	出料方式 Discharge method
R90脱皮瓜子线 peeling sunflower seeds automatic roaster production line R90	500	37.4×7.7×5.4	105	2.5	前、后出料 front or rear outlet
R70脱皮瓜子线 peeling sunflower seeds automatic roaster production line R70		35.2×8.0×5.2	105		前出料 Front outlet

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并联式节能烤池生产线(卧式)

Energy Conservation Parallel Connection Type
Drying Pool Production Line (Horizontal Type)

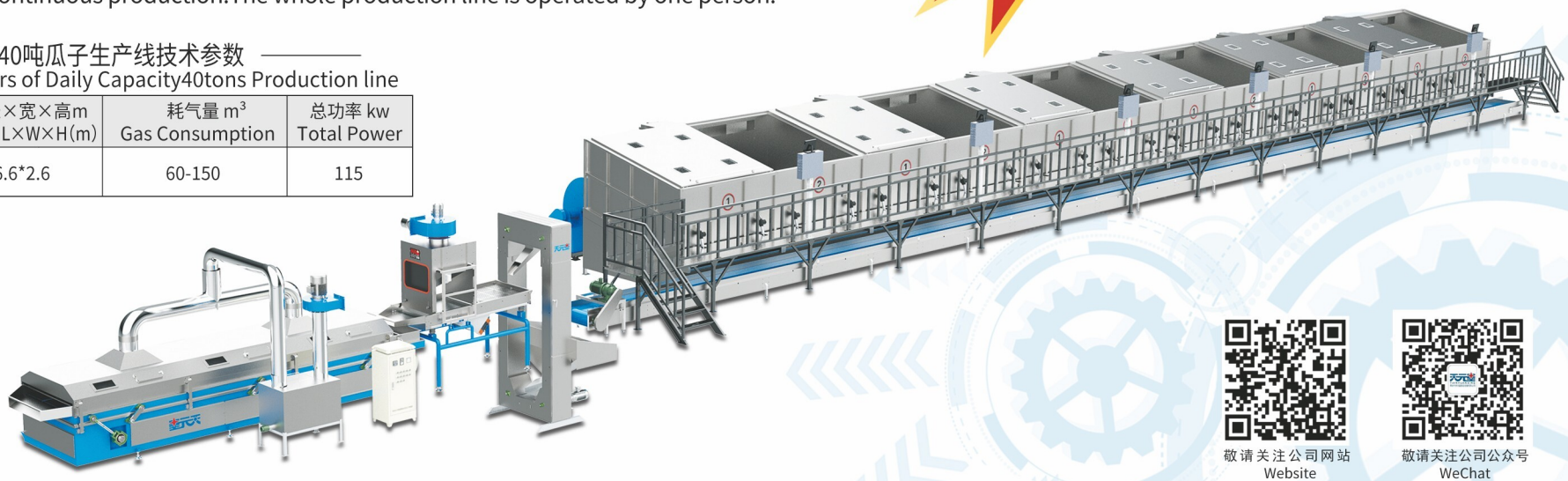
产品特点
Product Features

1、延续了传统单层烤池的工艺，产品质量稳定.
It continue single layer drying's traditional technique. The product quality is stable.
2、并联烤池的结构设计降低了设备高度，4米以上的车间高度都可以安装使用.
The height is low of parallel connection type drying pool's structural design. It can be installed if the workshop height is not less than 4 meters.
3、高频匀速出料，烤池密闭性能好.
The discharging output at high-frequency and even speed which make the drying pool sealing properties.
4、一机多用，瓜子、花生、核桃等各种坚果皆可烘烤.
This machine has multiple purposes which is drying of sunflower seed、peanut、walnut etc.
5、自动化程度高，高频出料可以让后续的成品处理设备形成连续化生产作业，整条线一人操作即可.
High automaticity and the discharging output at high-frequency which make the finished product processing equipment achieve continuous production.The whole production line is operated by one person.

日产瓜子 40吨

日产40吨瓜子生产线技术参数
Technical Parameters of Daily Capacity40tons Production line

项 目 Items	外形尺寸长×宽×高m Overall Size L×W×H(m)	耗气量 m^3 Gas Consumption	总功率 kw Total Power
技术参数 Technical Parameters	29*6.6*2.6	60-150	115



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盐焗腰果炒机 Baked Cashews With Salt Automatic Roaster



产品简介
Product Introduction

BH-R45盐焗腰果炒机，是天元星23年研发的腰果专用炒制设备，其设计采用壁流式介质循环技术，螺距旋转推进工艺，介质与腰果的混合比达到了15：1，换热面积达到98%，芽黄率99%，炒制时间达到12-15分钟，加大换热面积是为了降低炒制温度，高温产品用低温炒制的目的，是确保腰果不掉皮及果仁的均匀度。

BH–R45 Baked Cashews With Salt Automatic Roaster was research and development in 2023.It is a special equipment for roasting Baked cashews with salt.It uses wall–flow type medium circulation and rotating pitch propulsion technology.Medium and Cashews mix ratio is15:1.Heat exchange area reach 98%.Finished products kernel of Cashews color rate at 99%.Roast time: 12–15 minutes.Increasing the heat exchange area which reduces the roast temperature.The purpose is high temperature products roast at low temperature to make sure the color of skin and nut evenly.

产品特点
Product Features

1.流水式连续炒制，介质在炒机内循环加热重复使用；
It is continuous roaster equipment.Medium is cyclic heating and reusing.
2.根据产品质量的要求炒制时间可在12-15分钟范围调整，炒制时间决定了产量的多少；
According to the quality of material the roast time from 12 to 15 minutes;
3.能源可选用天然气、柴油、液化气及生物颗粒；
Heat medium:natural gas、diesel oil、liquefied gas and bio–particled;
4.介质最好选用大颗粒精盐，炒出的腰果均匀度好；
The best choice of medium is large particle salt. It is make the uniformity better;
5.炒好的腰果冷却、筛选及配套除尘系统，就形成一条完整的生产线；
Finished product processing include cooling machine、vibrating screen machine and dust collector. They are a whole production line;

腰果炒机技术参数
Technical Parameters Of Natural-flavor Peanut Automatic Roaster

品名及产品型号 Model	额定生产力kg/h Capacity	总机功率 Kw Power	重量t Weight	单机尺寸(长×宽×高)m Overall size L×W×H (m)	炒制时间 Roasted time
R45腰果炒机 R45 Baked Cashews With Salt Automatic Roaster	300-500	10.4	12	11×1.75×2.53	8.5mins
R60腰果炒机 R60 Baked Cashews With Salt Automatic Roaster	800-1000	17.1	18	15.1×2×2.93	17mins

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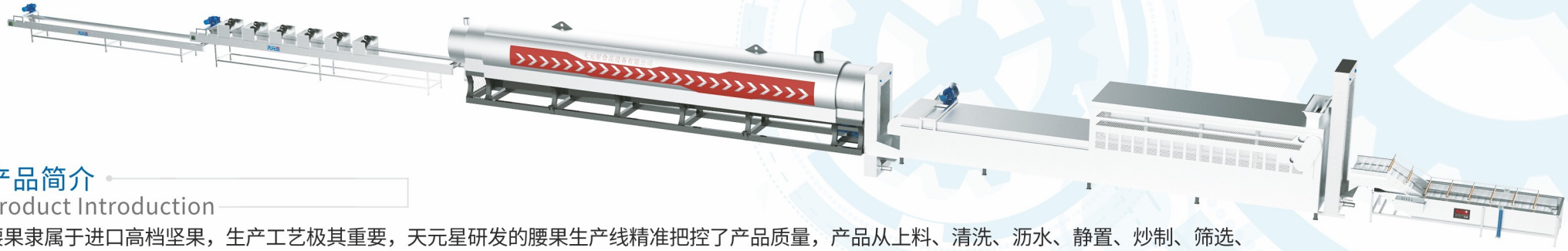
TIANYUANXING

日产12吨腰果烘烤工艺生产线

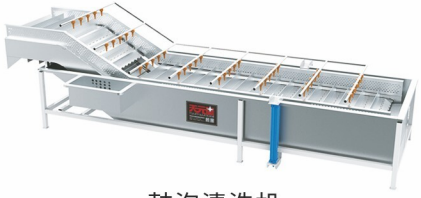
Daily Capacity 12 Tons Cashew Nut Roasting Production line



产品简介
Product Introduction

腰果隶属于进口高档坚果，生产工艺极其重要，天元星研发的腰果生产线精准把控了产品质量，产品从上料、清洗、沥水、静置、炒制、筛选、冷却等全部实现了智能数字化控制，诸多新技术使产品质量稳定、产量高、用人少、成本低，生产过程行云流水，外型设计美观大气。

Cashew Nuts are imported top-grade nuts. The production technology of roast cashew nut is very important. Tianyuanxing research and develop cashew nut roasting production line which can precisely control the products' quality. Feeding、washing、draining、standing、roasting、screening and cooling are all intelligently and digitally controlled. Many new technologies make the products with stable quality, high output, less labor force and low cost. The production process is smoother and more efficient. This production line has artistic appearance.



鼓泡清洗机
Cashew Nut Washing and Bubbling Machine



腰果自动沥干机
Cashew Nut Automatic Draining Machine



冷却链板
Cooling Slat Chain Conveyor



手选皮带
HandPicking Belt Conveyor

技术参数
Technical Parameters

项目 Items	外形尺寸长×宽×高m Overall Size L×W×H(m)	额定生产力t/天 Capacity	总功率 kw Power
腰果线 Cashew Nut Roasting Production line	57×2×4.7	12	42

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创新无止境◆术业有专攻

链板爬坡输送机
Incline Type Slat Chain Conveyor





链板平行爬坡输送机
Flat And Incline Type Slat Chain Conveyor

链板平行输送机
Flat Type Slat Chain Conveyor



平行输送机
Flat Type Belt Conveyor

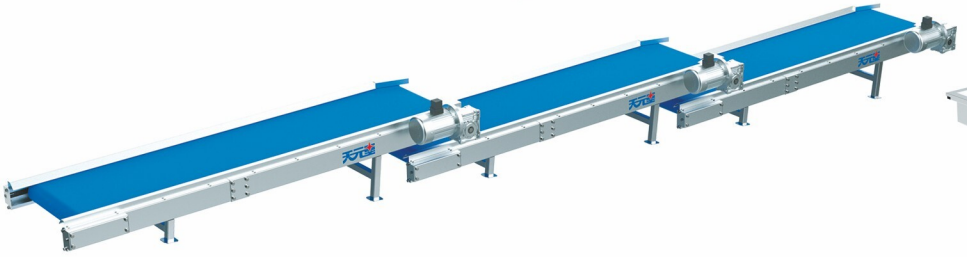




平行爬坡输送机
Flat And Incline Type Belt Conveyor

爬坡直给输送机
Incline Type Belt Conveyor
With Feed Hopper





接力皮带 Extension Type Belt Conveyor

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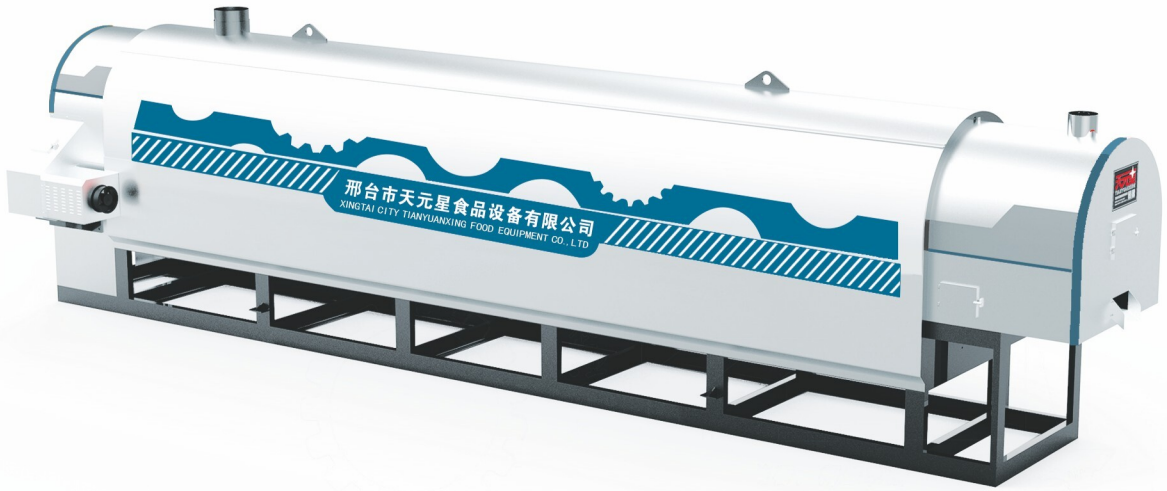
HLZ-C12恒温式芝麻连续炒机
HLZ-C12 Isothermal Continuous Type Roaster For Sesame



产品介绍
Product Introduction

恒温式芝麻连续炒机，是天元星研发的新型高温炒制设备，与传统炒机有本质的区别，其特点在于给锅壁续温，在炒筒内培养出一个恒温的环境，根据物料的工艺需要设定炒制时间及温度，从而实现数字化生产模式。

Isothermal continuous type roaster for sesame is a new model high temperature roasting equipment. It is different from the traditional roasting machine.The features is the wall of the machine keeps warm so that the temperature is constant inside.You can adjust the roasting temperature and time according to the material's technical requirement.

产品特点
Product Features

恒温式芝麻连续炒机的特点，在于锅壁添加了耐热涂层，炒芝麻不粘锅，高温提香却不会炒糊，根据品种不同每小时产能600–1000斤，炒机内设有强制排潮设计，确保芝麻炒熟后的香味，程序设定后可实现连续生产模式。

Heat–resistant coating on the wall of roaster which make the sesame is not stick on the inner wall. Sesame has good smell and hasn't burn when roast it at high temperature.According to different kinds of material the roaster capacity is 300 to 500kgs per hour.It have design of eliminating moisture make sure the sesame have good smell when it was finish roast.After set the program it will be continuous produce.

恒温式芝麻连续炒机技术参数
Technical Parameters of HLZ-C12 Isothermal continuous type roaster for sesame

品名及产品型号 Model	额定生产力kg/h Capacity	总机功率 Kw Power	重量t Weight	单机尺寸(长×宽×高)m Overall size L×W×H (m)	炒制时间 Roasted time
HLZ-C12	300-500	7.5	12	10.5×1.6(2.1)×2.85	5-15mins

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邢台市天元星食品设备有限公司
XINGTAI CITY TIANYUANXING FOOD EQUIPMENT CO.,LTD

多级振动筛选机
Multilevel Vibrating Screen Machine



多级振筛技术参数
Multilevel vibrating screen machine Technical Parameters

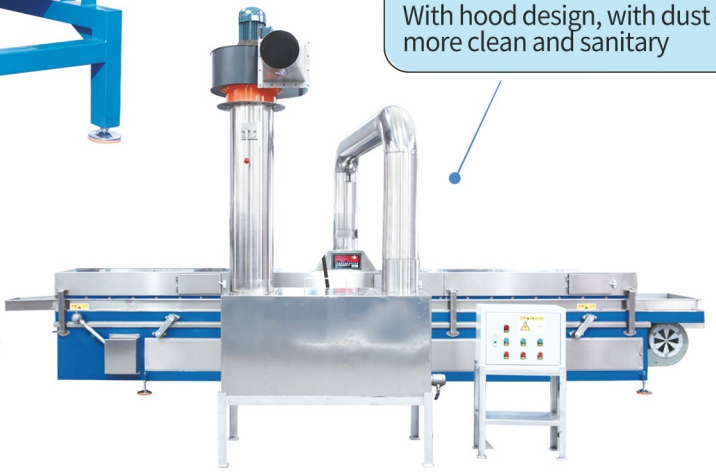
型号 Models	外观尺寸长×宽×高m Overall size L×W×H(m)	产量 kg/h Capacity	总功率kw Power
FSXD-80	1.8×1.48×2.28	400-600	1.74
FSX-80	2.6×1.6×2.6	800-1000	2.6
FSX-120	2.95×1.93×3.03	1800-2200	2.7

间歇跳跃式冷却床
Intermittence Leap Type Cooling Machine



带罩式冷却床
Cooling Machine With Hood

带罩式设计，搭配除尘器使用，干净、卫生
With hood design, with dust collector more clean and sanitary



产品简介
Product Introduction

间歇式跳跃冷却床是壁流式多功能自动炒机的配套设备，用于物料的冷却传输，可以使刚出炉的高温物料迅速冷却，达到可以装袋的温度，并传输至封装设备，提高生产效率，是流水线操作不可缺少的配套设施；

Intermittence leap type cooling machine is supporting equipment for roaster.It is used for cooling the material. It makes the material temperature reduce rapidly achieving cooling effects.The temperature reached packing temperauture. Then transfer them to the packaging device.It improves production efficiency. It is indispensable supporting equipment for an automatic production line.

冷却床技术参数(单机带罩)
Cooling Machine With Hood Technical Parameters

型号 Models	整体尺寸长×宽×高m Overall size L×W×H(m)	产量 kg/h Capacity	总功率kw Power
DLJ60	6.0×0.88×1.3	400-500	2.9
DLJ80	6.6×1.08×1.34	600-800	3.6

型号 Models	整体尺寸长×宽×高m Overall size L×W×H(m)	产量 kg/h Capacity	总功率kw Power
DLJ100	7.05×1.32×1.45	1200-1500	3.6
DLJ150	6.35×1.81×2.1	1600-2000	4.3

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邢台市天元星食品设备有限公司
XINGTAI CITY TIANYUANXING FOOD EQUIPMENT CO.,LTD

螺旋除尘器
Spiral Dust Collector



布袋除尘器
Cloth Bag Collector



脉冲布袋除尘器
Pulse Cloth Bag Collector



水式除尘器
Water type dust collector





太空车一键上料
One Button Feeding Device

技术参数
Technical Parameters

名称 Items	型号 Models	外观尺寸长×宽×高m Overall size L×W×H(m)	功率kw Power
水式除尘器 Water type dust collector	CSX40	1.1×0.5×2.5	1.1
	CSX50	1.24×0.6×2.7	1.5、2.2、3、5.5

名称 Items	型号 Models	外观尺寸长×宽×高m Overall size L×W×H(m)	功率kw Power
螺旋除尘器 Spiral Dust Collector	CLX50	0.55×0.53×3	2.2
	CLX90	0.92×0.90×3.4	2.2、3

名称 Items	型号 Models	外观尺寸长×宽×高m Overall size L×W×H(m)	功率kw Power
脉冲布袋除尘器 Pulse Cloth Bag Collector	CMB-30	2.0×1.45×3.72	5.1
	CMB-32	2.6×1.13×2.62	5.5

名称 Items	型号 Models	外观尺寸长×宽×高m Overall size L×W×H(m)	功率kw Power
布袋除尘器 Cloth Bag Collector	CB-6	1.3×0.83×2.31	/
	CB-9	1.3×1.21×2.78	/

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创新无止境·术业有专攻

ZZG-180型煮锅
ZZG-180 Plane Boiling Pot



产品特点
Product Features

传统蒸煮时因瓜子自身的浮力，入水后向上漂浮紧紧贴在一起，料水入味需要穿透1米厚的瓜子层，循环较慢，导致吊篮中心部位瓜子温度较低，煮好的瓜子内外入味不均匀影响产品质量，天元星研发的ZZG-180型煮锅，有效解决了以上问题。

ZZG-180 plane combustion Boiling Pot solve the sunflower seeds flavor uneven inside and outside.The traditional cooking way easy to make sunflower seeds float and stick together when they are in the soup.The flavor need to penetrate 1 meter thickness material to make the circulation is slowly so that hanging basket center lower temperature.Then the result is the sunflower seeds flavor uneven inside and outside.

1.强制循环:通过外力使料水从吊篮中间穿透物料向外循环,保证瓜子内外温度一致入味均匀 ,同时,料水在沸腾的模式下,等于锅内添加的糖及香料在快速搅拌,避免了盐和糖在锅内结块沉积。

Forced-circulation: The soup penetrate the material and circulate outward from the center of hanging basket by an external force.This way keep the sunflower seeds' temperature is same inside and outside so that the flavor of sunflower seeds more even.Salt and suger is not easy to lump because of the soup boiling make the suger and spice have a quick stir.

2.高效节能:通过采用翅管设计加大换热面积45% ,延长热源在炉内停留时间等技术,平面燃烧技术，避免了了火焰集中燃烧，有效保护了锅底的使用寿命。

Efficient and energy-saving: Fins pipe increase heat-exchange area 45% and extend time of the heat energy stay in the stove.Plane combustion technology avoid the flame concentrated combustion and effectively protect the service life of cooker bottom.

3.智能控制:根据瓜子蒸煮的工艺流程,瓜子入锅后先高温蒸煮，后中温入味,再高温出锅的程序,ZZG型煮锅根据客户要求可以设置成自动工作模式,确保产品质量稳定;

Intelligent control:Technological process of cook the sunflower seeds : first,cook the sunflower seeds at high temperature. Secondly, flavor the sunflower seeds at middle temperature . Then, output at high temperature. ZZG-180 plane combustion Boiling Pot according to customers requirements can set automatic.operation mode. It also can keep the finished product stable quality.

技术参数
Technical Parameters

品名及产品型号 Model	额定生产力KG/锅 Capacity	总机功率 KW Power	重量 t Weight	单机尺寸(长×宽×高)m Overall size L×W×H (m)
煮锅180型(含吊篓) Boiling Pot180 type (include hanging basket)	500	0.75	2.3	2.7×2.3×2.5

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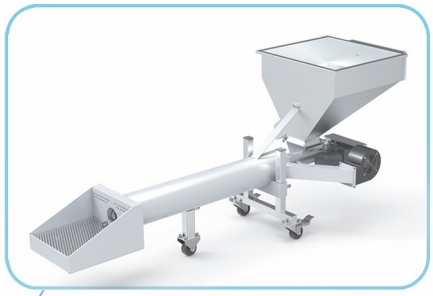
生物颗粒蒸煮 Bio-particle Boiling Pot

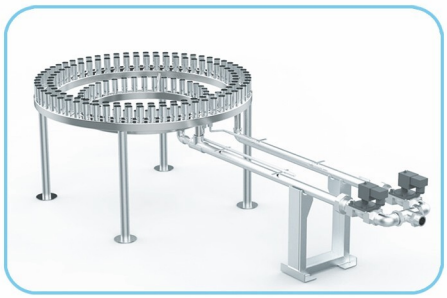




生物颗粒燃烧机
Bio-particle Burner

炉排蒸煮
Fire Grate Boiling Pot





煮锅专用炉排
Fire Grate

技术参数
Technical Parameters

品名及产品型号 Model	额定生产力Kg/锅 Capacity	总机功率 Kw Power	重 量 t Weight	单机尺寸(长×宽×高) m Overall size L×W×H(m)
生物颗粒蒸煮 Bio-particle Boiling Pot	500	2	2.3	2.7×2.2×2.5
炉排蒸煮 Fire Grate Boiling Pot		0.75		

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XINGTAI CITY TIANYUANXING FOOD EQUIPMENT CO.,LTD

生物颗粒热风炉—25W型
25W Model Bio-particled Hot Air Stove





产品简介
Product Introduction

天元星研发的立式换热炉以生物颗粒为能源，在节能和解决烟道堵塞方面都有了明显进步，与同类产品相比，本设备延长了使用寿命，彻底解决了清理烟灰的复杂问题。

Tianyuanxing research and develop vertical hot air stoves which are powered by bio-particle. It improves saving energy and solving the blockage of flue.Compare with the similar products,it has the longer working life and solves cleaning furnace ash.

产品特点
Product Features

1.安装方便、操作简单， 能源可选用生物颗粒、煤、天然气等。
Easy installation、simple to operate，Heat medium:bio-particle、coal、natural gas etc.
2.在连续使用前提下，每月清灰2--3次，每次10分钟，清灰流程简单方便。
Furnace ash is cleaned two or three times in one month when it is continuous use. Clean time is 10 minutes. The process of cleaning furnace ash is simple and easy to operate.
3.节能效果较好，采用三风四火循环方式，加上炉体保温措施，既节省能源，又提升了使用安全性。
It has very efficiency in energy saving.It adopts circulated mode which is three wind and four fire and has heat preservation measures.It not only saves energy, but also improves safety.
4.型号多样化，单机热值从20w—60w大卡供客户选择使用。
Customers can choose different types which have differnt power from 20KW to 60KW.
5.智能温控系统，温度设定后实现了自动控温，并加装了非正常报警装置。
It has an intelligent temperature control system。 After setting the temperature it can be automatic controlled. It also has an alarm system. When it doesn't work will show the fault.

技术参数
Technical Parameters

品名及型号 Model	额定供热能 Heating Energy	功率Kw/h Power	重量t Weight	外形尺寸长×宽×高m Overall size L×W×H(m)
生物颗粒热风炉—25W型 25W Model Bio-Particled Hot Air Stove	25万大卡 250000kcal	2.3	2.2	2.7×2.37×3.68(不含风机)

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邢台市天元星食品设备有限公司
XINGTAI CITY TIANYUANXING FOOD EQUIPMENT CO.,LTD

直燃热风炉
Direct-fired Hot Air Stove



产品简介
Product Introduction

直燃炉是天元星又一技术突破，风、氧、气先混合在燃烧，在已有的直燃基础上，放大火焰燃烧面，减缓火焰行进速度，让燃烧充分和节能。

Direct-fired hot air stove is Tianyuanxing's another technical breakthrough, Wind, oxygen and gas are mixed before burning. it uses plane combustion method base on direct-fired.In this way it increases flame burning surface and reduce the speed of flame，The result is burning more sufficiently and energy saving.



带一台风机图示
Hot Air Stove With One Set Blower

技术参数
Technical Parameters

品名及产品型号 Model	耗气量m^3 Gas consumption	气 压Kpa Air pressure	热 源 Heat medium	外形尺寸长×宽×高m Overall size L×W×H(m)	功率 Kw/h Power
直燃热风炉 Direct-fired Hot Air Stove	10-23	5-10	天然气、液化气 natural gas、liquefied gas	1.3×1.06×2.2	0.37

品 名 Item	型 号 Model	功 率 Kw Power	额定供热能 Heating energy	外形尺寸长×宽×高m Overall size L×W×H(m)	重 量 kg Weight
生物颗粒燃烧机 Bio-Particled Burner	SRJ-BZ	0.65	20万大卡 200000kcal	2.1×0.6×0.88	150
	簸箕式 Dustpan type	0.77		2.15×0.65×0.88	100

创新无止境 · 术业有专攻

◎生物颗粒燃烧机BZ型
Bio-Particled Burner BZ Model



◎生物颗粒燃烧机（簸箕式）
Bio-Particled Burner (Dustpan Model)



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