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鼎盛机械
DINGSHENG MACHINE

油脂机械
OILS AND FATS MACHINERY

郑州市鼎盛机械制造有限公司
ZHENGZHOU DINGSHENG MACHINE MANUFACTURING CO., LTD.



郑州市鼎盛机械制造有限公司

ZHENGZHOU DONGSHENG MACHINE MANUFACTURING CO., LTD.
 鼎盛公司有着二十年的生产加工机械制造的经验，
 一直担任着中国机械行业的企业，我们敢
 言的领先技术！

公司简介
 INTRODUCTION

公司总经理：韩松周 CEO: Han Songzhou

郑州市鼎盛机械制造有限公司位于河南省省会郑州，成立于2002年，股份制企业，主要从事造
 造工程机械研发设计、装备制造、安装调试、培训服务等工作。公司拥有机械化学、机械设计、机械制
 造等高层次人才，以及具有丰富安装经验和生产经验的员工队伍。结合科学的管理方式，完善的质量保证
 体系，能够出色完成每一项工程。

郑州市鼎盛机械制造有限公司自成立以来一直为客户提供优质、高效的服务。我们的服务贴心，制
 造精心，价格放心，令客户省心。“以客户为导向”，为客户量身打造最具价值的产品；“以服务为核心”，
 为客户提供全面的服务；“以质量为核心”，时刻保证质量领先于同行水平！在产品的销售上，
 客户的利益是我们首先考虑的，我们的服务追求精细化，从售前的咨询、精心服务到售后的售后产品，
 我们即要求精益求精、强大的设计开发、生产制造、安装调试、技术培训、不定跟踪访、严格的质量保
 证和快速到位的售后服务，每一个细节都体现了精心安排，解决了客户一系列的麻烦之忧。

我们加强双方的交流与沟通，不仅可以看了解客户对产品的评价，更重要的是能进一步“即与消
 费客户，让客户省心”的服务新时代！实现企业更加高效、低成本的需求，提高市场反应速度，加快
 技术创新力度，严把质量关、降低生产成本，让消费者得到实惠。在瞬息万变的竞争中把握更多商机，为
 社会，为客户创造更大价值。

Zhengzhou Dongsheng Machine Manufacturing Co., Ltd. is a joint-stock enterprise, which is located in
 Zhengzhou, capital of Henan province. The corporation is established in 2002, which is mainly engaged in all
 engineering R&D, equipment manufacturing, installation, commissioning and training services. The company has all
 structural, mechanical design, machine manufacturing, and other high-level professional technicians, as well as with
 a strong workforce team who has rich experience in all parts handling and producing, scientific management
 system, complete quality assurance system, which guarantees us to finish our tasks in a timely way.

Zhengzhou Dongsheng Machine Manufacturing Co., Ltd. has been providing customers with high quality and
 efficient service since company established. We provide good to heart service, excellent manufacturing, and
 reasonable price to make sure customer feel desired. "Customer-oriented", to produce special product to meet
 special customer's needs; "service-core", to provide customers with comprehensive services; "quality-core" to keep
 our quality ahead in the same field! Regarding to sales, the client's interests are our first consideration, we pursue
 lowest pricing, we serve for you with our great enthusiasm from start to end, between pre-sales enquiry to after-sale,
 you can rest assured our full range service, design and development, manufacturing and efficient after-sales
 service, each stage shows we have made a great effort to give a series of service to customers.

We strengthen communication and contact, not only helps to get customer's valuable feedback and a new era of
 service that is "let the user's service, allowing users to rest assured!" To satisfy the demand of saving more effort
 and cost-effective for the enterprise, we create special reaction time, speed up technological innovation, control
 quality strictly, and reduce production costs to benefit customer. Seize more business opportunities in the
 competition, we will create a better value for you and society.



Staff Presence 员工风采



企业荣誉 Honors



全自动螺旋榨油机 Automatic Screw Oil Press Machine



“螺旋”压榨法机主要由电机控制，自动加热、调整、传动和真空滤油等部分组成。榨油由全密封螺旋传动，螺旋表面硬度和耐磨性，榨油机平衡调整装置，保证油线稳定，提高出油率；配油、真空、自动加热等标准部件，选用知名品牌，优化机械配置；榨油器采用不锈钢材质精心处理，符合食品卫生标准。

传统榨油方式为脚踏式，劳动强度大，设备笨重，占地面积大，耗油高，且污染环境，卫生不健康。

“螺旋”榨油机节能环保的优越优势，设备多速，性能可靠，操作简便，操作方便，其主要特点有：省力，同等产量可节约电力40%，1人即可操作生产，即可节省投资成本的40%，再增产，一机多用，榨菜油、芝麻、菜籽、大豆、油茶、菜油等20多种油料作物，二级压榨，一次榨净，油质纯，渣可以循环利用，保证油质纯净，符合卫生标准有损，占地小，油质纯净10-20平方可配置过产量使用。



The operating principle of screw is composed of both components in electric system control, for pressing, adjustment, driving and vacuum oil filter. The operating screw is made of alloy steel treated by carburizing to improve its surface hardness and wear resistance. The adjusting part is guided by rubber spring to ensure the accuracy of oil thread and improve oil extraction rate. The standard components for power distribution, vacuum and heating are famous brands in systems machine configuration. The surface of machine are treated by stainless steel and chromium plating technology to ensure safety and the necessity of food system.

The advantage of helical oil pressing methods include the original working principle and stable equipment, running speed, large flour area, high energy consumption rate in extraction rate and best hygienic condition.

The comparative advantage of Qingdao Jiang's high efficiency and energy-saving oil press: advanced design, stable performance, simple operation and convenient maintenance to save labor cost.

Saving labor: 1 can save 60% labor for equal output and 40% electricity per ton for olive or hemp seeds as well as make production 60kg/hour. It can be used to completely press more than 20 kinds of oil crops, such as peanut, sesame, vegetable seeds, soybean, sunflower seed and flax by free design pressing for speed of oil press.

Power of quality: the vacuum oil filter is used to remove residue so as to ensure the pure of quality and meet the standard of health guarantee. Best and using: an area of 30-20m² working can meet the demand of processing.

主要技术参数 Main Technical Parameters

型号 Model	2000 Model 2000 Model	3000 Model 3000 Model	4000 Model 4000 Model	5000 Model 5000 Model	6000 Model 6000 Model
榨螺直径 Diameter of Pressing Worm	80mm	100mm	120mm	140mm	160mm
榨螺转速 Speed of Pressing Worm	40rpm	48 rpm	30rpm	36rpm	36rpm
榨螺内径直径 Diameter of Helical Core of Pressing Chamber	80mm	100mm	120mm	140mm	160mm
电机功率 Configuration Power	主电机 Main Engine 4-5.5kw 副电机 Heater 5kw	4-7.5kw	4-11kw	4-15kw	4-22.5kw
处理量 Handling Capacity	50-100kg/h	100-200kg/h	200-400kg/h	400-500kg/h	500-600kg/h
整机重量 Weight of Complete Machine	700kg	1100kg	1600kg	1900kg	2000kg
整机尺寸(长×宽×高) Size of Machine	1380×1080×1600	2000×1480×1700	2500×1680×1800	2800×1600×1700	3000×1700×1800

全自动滚筒炒锅 Automatic Drum Frying Pot

我公司生产的好锅有二种：全自滚筒炒锅，全自卧式滚筒炒锅。全自滚筒炒锅有四种型号，这种滚筒炒锅吨向非常大型，可炒榛、板栗、核桃、瓜子、核桃等，客户可以根据自己需要选择合适型号的锅。

We manufacture two kinds of cookers such as automatic drum cooker, automatic flat cooker, automatic steam cooker. There are four models of automatic drum cooker, it is easy to operate and can be used kinds of fat such as animal, vegetable oil etc. Customers can choose the suitable fuel according to their own demands.



主要技术参数 Main Technical Parameters

型号 Model	电机功率 Power	锅体尺寸 Size (mm)	处理量 Capacity	整机重量 Weight
550	4-0.75kw	1500×700×1000	100kg/h	100kg
680	4-0.75kw	1800×900×1000	200kg/h	160kg
780	4-1.5kw	2000×900×1000	300kg/h	220kg
900	5-3kw	2400×1100×1700	500kg/h	300kg

膨化机 Extruding Machine

原料经膨化机，利用膨化仓高温高压制成膨化饲料和休闲食品。

膨化机目的

1. 饲料膨化提高营养价值

2. 休闲食品休闲食品

3. 产量很大

4. 操作简单

膨化加工工艺

(I) 大豆膨化加工工艺

大豆 → 清洗 → 破碎 → 膨化 → 干燥 → 膨化 → 膨化 → 膨化 → 膨化 → 膨化

(II) 饲料膨化加工工艺

原料 → 清洗 → 清洗 → 清洗 → 膨化 → 膨化 → 膨化 → 膨化 → 膨化 → 膨化



The processing of extruding: make the flour into granules material by extruding machine.

Purpose of extruding: 1. Completely destroy the germ of oil material. 2. Increase the oil volume-weight. 3. Enlarge the particle size.

Extrusion process:

(I) Soybean treatment process:

Soybean → cleaning → crushing → cleaning → extruding → drying → extruding → extruding → extruding → extruding → extruding

(II) Feed treatment process:

Raw material → cleaning → cleaning → cleaning → extruding → extruding → extruding → extruding → extruding → extruding

◎ ZX18A (200-3) 型榨油机

ZX18A (200-3) Type Oil Press

ZX18A200-3型榨油机是国家定型产品,该机具备结构合理,性能可靠、操作简便,维修方便,生产效率高和运转寿命长等特点。适用于菜籽、桐籽、葵花籽、芝麻、蓖麻等高含油原料的一次性压榨。

Model ZX18A200-3 Oil Squeezer is the national approved product which has the characteristics such as reasonable structure, simple operation, convenient maintenance, high-efficient in production, working continuously and long-term operation. Suitable for the oil plant to one-time press the seeds containing more oil such as sunflower seeds, soybean seeds, castorbean kernels, rape seeds and so on.



主要技术参数 Main Technical Parameters

型号	出油率	电机功率	机身尺寸(长×宽×高)	重量
Model	Oil yield rate	Power (kw)	Size (L×W×H) (mm)	Weight (kg)
Z-30TD	5-7%	30kw	2900×1550×2400mm	500kg

◎ ZY24 (202-3) 型螺旋预榨机

Zy24 (202-3) - Type Screw Press

ZY24 (202-3) 型螺旋预榨机是一种连续压榨设备,适用于中小型植物油厂预榨-浸出或预榨二次压榨工艺。可榨花生仁、桐籽仁、菜籽、葵花籽等富含油脂油料的压榨制油。该机具有处理能力大,动力消耗小,运行费用低,产量高,不堵,对干油的渗透、脱油率等特点。

Model ZY2420-3 screw oil press is a continuous oil squeezer which is suitable for pre-squeezing, leaching or pre-squeezing and secondary pressing process with the seeds such as rapeseeds, sunflower and castorbean kernels. Which is has the following advantages: high processing capacity, low power consumption, high output, no blockage, high oil permeability, high oil yield rate.

High power consumption, easy maintenance, sturdy and durable. Automatic continuous working but not stop. It is helpful to reduce pollution.



主要技术参数 Main Technical Parameters

型号	出油率	电机功率	机身尺寸(长×宽×高)	重量
Model	Oil yield rate	Power (kw)	Size (L×W×H) (mm)	Weight (kg)
4E-60TD	15-18%	30kw	2000×1450×2600mm	800kg

◎ SYZX12型双螺杆冷榨机

SYZX12 Type Twin Screw Cold Press

SYZX12型双螺杆冷榨机是工厂结合全新设计理念设计的新型产品,将螺杆采用特殊轴向平行,双向相对的排列,压缩比大,出油率高,自清结构,该机适用于菜籽、菜油饼、葵花籽、加工对象为菜籽仁、葵花仁、芝麻仁、桐籽仁、菜籽仁等植物油料均可压榨,对特殊原料也可榨,效果更佳。

The Two-shaft Low-temperature Squeezer SYZX12 is a new product which is invented from our brand new technology. In the pressing stage there are two parallel pressing shafts with contrary rotating direction. This design can get high compression ratio and oil yield rate, the oil press can self clean. The machine is suitable for both low and high temperature pressing of vegetable oil-bearing crops such as sunflower seed kernel, rapeseed kernel, soybean seed kernel, castorbean kernel, etc. It is also good for the pressing of special oil-bearing crops.



SYZX12型双螺杆冷榨机由佳合, 德商制造, 在正常工艺条件下, 具有以下特点:

1. 结构紧凑, 管理简便, 装卸时间; 2. 自带温控设备; 3. 自动连续工作

SYZX12 is applicable for both low-temperature and high-temperature of production, under reasonable processing condition, it has below highlights:

1. Reasonable structure, easy maintenance, sturdy and durable. 2. Self-equipped control. 3. Automatic continuously working.

主要技术参数 Main Technical Parameters

型号	出油率	电机功率	机身尺寸(长×宽×高)	重量
Model	Oil yield rate	Power (kw)	Size (L×W×H) (mm)	Weight (kg)
4-4TD	10-15% (菜籽), 4-5% (葵花仁), 8-12% (桐籽)	15.5kw	1550×1200×2200mm	450kg

◎ SYZX24型双螺杆冷榨机

SYZX24 Type Twin Screw Cold Press

SYZX24型双螺杆冷榨机是工厂结合全新设计理念设计的新型产品,将螺杆采用特殊轴向平行,轴内相对的排列,压缩比大,出油率高,自清结构,该机适用于菜籽、菜油饼、葵花籽、加工对象为菜籽仁、葵花仁、芝麻仁、桐籽仁、菜籽仁等植物油料均可压榨,对特殊原料也可榨,效果更佳。

The Two-shaft Low-temperature Squeezer SYZX24 is a new product which adopts our innovative principle and design. From one shaft parallel shaft, reverse rotating pressing shafts, it can get compression ratio and oil yield rate, the oil press can self clean. This machine is suitable for both low and high temperature pressing of vegetable oil-bearing crops, vegetable seeds such as sunflower seed kernel, rapeseed kernel, soybean seed kernel, castorbean kernel, etc. It can be pressed for the pressing of special oil-bearing crops and achieve more better effect.



SYZX24型双螺杆冷榨机由佳合, 德商制造, 在正常工艺条件下, 具有以下特点:

1. 结构紧凑, 管理简便, 装卸时间; 2. 自带温控设备; 3. 自动连续工作

SYZX24 is suitable for both cold and hot pressing, under reasonable processing condition, it has below highlights:

1. Appropriately structure, easy maintenance, sturdy and durable. 2. Self-equipped controlling equipment. 3. Automatic continuously working.

主要技术参数 Main Technical Parameters

型号	出油率	电机功率	机身尺寸(长×宽×高)	重量
Model	Oil yield rate	Power (kw)	Size (L×W×H) (mm)	Weight (kg)
冷榨油机: 4E-60TD	冷榨油机: 5-7% (菜籽)	30kw	1800×1500×2000mm	1100kg
热榨油机: 6E-100TD	热榨油机: 10-12%			

全自动液压榨油机 Automatic Hydraulic Oil Press



全自动液压榨油机的特点：压力大、产量大、冷榨热榨均可。对各种油料压榨如：可食豆、核桃、杏仁、花生、芝麻、葵花、山核桃等坚果原料。也可对土土、活性炭等化工原料进行脱水、脱油、脱漆。

This is a kind of hydraulic oil press has features of high pressure and large capacity. It can be used for hot and cold pressing a variety of high-grade oil crops, such as cocoa beans, walnuts, almonds, pine nuts, sesame, etc. with better pressing effects. It can also be used by clay, activated carbon and other chemical raw materials for dehydration, deoiling and oil-pressing.

主要技术参数 Main Technical Parameters

名称 Type	型号 Model	YD-100	YD-150	YD-200
额定工作压力 Working Pressure		45MPa	45MPa	55MPa
工作压力 Working Pressure of Working		300	120	300
榨筒直径 Inner Diameter of Pressing Barrel		400mm	170mm	200mm
榨筒工作行程 Working Stroke of Piston		70mm	300mm	300mm
榨筒容量 Capacity of Pressing Barrel		300kg	60kg	60kg
平均生产率 Average Performance		200kg/h	80kg/h	150kg/h
主榨轴径 Main Shaft		40mm	1.5mm	1.5mm
电机功率 Motor Power		3kw	3kw	3kw
预压油缸 Oil Cylinder of Pre-pressing		150MPa	150MPa	-
重量 Weight		200kg	100kg	80kg

破碎机 Crusher

破碎机主要用于大的原料的破碎, 将大原料的颗粒破碎成粉。

破碎的目的:

- (1)使油料具有一定的粒度便于轧制;
- (2)增加油料与筛网面积, 有利于油料颗粒与筛网和小孔的摩擦, 保证轧油效果;
- (3)将物料块状破碎成细小的颗粒以便进行溶剂萃取。

破碎的要求:

- (1)和筛网尺寸: 如大豆筛网应为4-5目, 花生为-6目;
- (2)冲击力: 不能过强;
- (3)破碎速度: 物料大颗粒20目(占)筛网(筛)筛网不超过10%。

破碎机在工业界对颗粒物料, 如高岭土, 煤, 石灰石等。

The crusher is mainly used for crushing the large size of material, of used with steel and of coke.

The purpose of crushing:

- 1.To make the oil seed to be a certain size for easy feeding.
- 2.To increase the surface area of oil seed, which is beneficial to the remaining of saponins and moisture.
- 3.To crush the oil seed into small size, then easy for solvent extraction.

The requirements for crushing:

- 1.The oil seed should be uniform. For example, the soybean should be 4-6 particle; after crushing, the peanut should be 6-8 particle; after crushing.
- 2.No dust, no congestion.
- 3.Press content should be low. There should be less than 10% which can pass the 20 mesh sieve.

The crushing equipment contains roll crusher, disc crusher and hammer crusher.



主要技术参数 Main Technical Parameters

名称 Type	处理量 (t/h) Processing Capacity	电机功率 (kW) Motor Power	筛网尺寸 (mm) Screen Mesh Size	备注 Remarks
YF500x40	100-150	15+5+0.37	4-6目筛网	大豆 Soybean
	100-120	22+11+0.37	4-6目筛网 (用于轧油)	轧油 (用于轧油) roller used for crushing
YF600x120	150-200	11+5+0.37	4-8目筛网	大豆 Soybean
	120-160	30+11+0.37	4-8目筛网 (用于轧油)	轧油 (用于轧油) roller used for crushing
YF500x150	200-300	15+5+0.37	4-8目筛网	大豆 Soybean
	200-250	20+10+0.37	4-8目筛网 (用于轧油)	轧油 (用于轧油) roller used for crushing
YF600x120	220-400	18.5+5+0.37	4-12目筛网	大豆 Soybean
	250-300	45+22+0.37	4-12目筛网 (用于轧油)	轧油 (用于轧油) roller used for crushing
YF500x150	400-450	22+5+0.37	4-12目筛网	大豆 Soybean
	320-320	28+20+0.37	4-12目筛网 (用于轧油)	轧油 (用于轧油) roller used for crushing

● 轧胚机 Flaking Roll

轧胚机是由两个或几个相对旋转的轧辊，将油料从胚状轧成片状的一种双高轧辊的目的。

(1)能环流物料，使物料在具有空腔的轧辊中，随着轧辊的旋转，不断循环而碎。

(2)能短油路，使物料在轧辊成薄片后，缩短了油料在轧辊中停留的时间，防止油料变质。

(3)有利于油料吸收，轧胚油料的吸油率增加，厚度减小，有利于吸收水分和杂质，又便于水分的蒸发。

轧胚机主要分为可逆式轧胚机和不可逆式轧胚机。

The flaking machine has two or several relative rotated rolls, to make the oil seed into granule to flake.

The purpose of flaking:

1) Enable the roller structure to rotate and rotate in the roller, which can flow and break, so that the roller can rotate and rotate in the roller.

2) Shorten the oil path, after flaking the particles of oil seed into thin slices, shortened the oil path, so that the oil seed can be broken and broken in the roller, making the oil seed to be broken and broken in the roller.

3) It is good for oil absorption, flaking can increase the surface area of oil seed, so that the oil seed can absorb more oil, and it is easy to evaporate the water.



● 全自动蒸炒锅 Automatic Steam Cooker

蒸炒是将碾碎或轧过的物料经过加水（润麦）、加水（蒸炒）、干燥（炒干）三个工序的过程。蒸炒时由于水温和湿度的作用，使物料中的蛋白质充分变性，使物料达到适合于榨油压力的可塑性和弹性，建立适合的榨油压力，从而提高榨油机的出油率，以获得较理想的油质及油质品质。

Steam cooking is a process that the crushed and flaked material become steamed through adding water (soaking), adding water (steaming), and drying (drying). The effects of moisture and temperature make the protein in the raw material change when that makes the plasticity and elasticity suitable for pressing process. Accordingly, improve the oil yield and get the best pre-pressed cake and oil.



各种油料润麦工艺参数 Various kinds of oil grain soaking technical parameters

油料名称 Oil Name	润麦率 Soaking Rate	润麦时间 Soaking Time
大豆 Soybean	5-7%	180s
花生仁 Peanut Kernel	5-7%	110s
菜籽 Rapeseed	4-6%	110s
棉仁 Cotton Seed	5-6%	120s
芝麻 Sesame	3-5%	110s
亚麻 Flax Seed	3-6%	110s

各种型号及技术参数 Various kinds of seed roaster machine technical parameters

型号 Model	处理量 Capacity	功率 Power	外形尺寸 Size	重量 Weight
FR6100A	40-60	10.5	2075x1750x1050	
FR6100B	80-100	22	2075x1750x1050	
FR6210A	140-160	30	2950x2400x1810	
FR6250A	180-200	37	3100x2710x1810	
FR6300A	280-300	55	3800x3200x2050	
FR6300B	320-350	75	4000x3200x2050	
FR6300C	350-380	110	4000x3800x2450	
FR6350A	440-470	110	4000x3600x2120	
FR6350B	700-750	150	4800x3800x2050	

● 平板烘干机 Chain Dryer

平板烘干机用于大豆、玉米、菜籽、葵花籽或苕荳、稻谷干燥处理，使物料得到相应的水份，以便物料贮存或满足工艺要求。其特点是结构紧凑、效率均匀、产量大、物料不堵塞、运行可靠、操作简便，可节电率达15%-18%。

Chain dryer applies in the drying soybean, corn, rapeseed, sunflower seed or its germ, meal, their get required moisture in order to store raw material and meet the process characteristics.

Its features are as follows: stable structure, uniform drying, high output, low energy consumption, material is not easy to block, reliable operation, easy to operate, saving electricity by 15%-18%.



● 花生剥壳机 Peanut Sheller

该剥壳机剥壳快，质量可靠，性能优良，加工向花生米粉碎率快，分选干净，出壳好，杂质少，各项性能指标均优于国家标准。

The peanut sheller has reliable quality, excellent performance, the rate of processing of peanut coating, clean sorting, good color, low impurities. The performance is better than the national standard.



主要技术参数 Main Technical Parameters

处理量 Capacity	生产率 Production Rate	破碎率 Crushing Rate	出壳率 Shelling Rate	功率 Power	外形尺寸 Size	重量 Weight
400kg/h	≥85%	≤3%	≥95%	12kw	1200×600×1200	220kg
800kg/h	≥80%	≤4%	≥87%	15kw	1500×1000×1400	300kg



DTDBL系列皮带输送机 DTDBL Series Belt Conveyor

DTBLM系列低压脉冲布袋除尘器
DTBLM Series Low Pressure Air Jet Filter

固定式皮带输送机 Fixed Belt Conveyor



比重分选去石机 Gravity Destoner



斗式提升机 Bucket Elevator



高效振动筛 Vibration Sieve



水平蛟龙 Screw Conveyor

16TCXT系列磁选机
16TCXT Series Magnetic Separator

平刮板 Scraper Conveyor



旋风龙机组 Cyclone Unit

● 叶片过滤机 Leaf Filter

结构特点:

1. 设计创新的过滤网板, 无网过滤布, 大大降低过滤成本。
2. 全密封过滤作业无泄漏, 无油料损耗。
3. 移动便捷, 大吨位驱动强度可实现连续作业, 自动换门便捷, 从而大大降低工人劳动强度。

过滤原理:

1. 金属网板+过滤布+压力
2. 金属网板与过滤布材料均与板架制成
3. 过滤时, 驱动板在网板上快速移动, 从而完成此次过滤的启动

功能: 适用于轧机油、高原油等的脱色过滤和毛油过滤

Features:

1. Unique designed hollow to reduce the cost of filtering. Disperses with filter paper like cloth.
2. Fully enclosed bearing, no pollution.
3. Drive rolling cover automatically by sliding to cut down labor intensity. Can realize continuous operation, automatic valve interlocking.

Principle:

1. With green filter cloth+ pressure
2. The wire mesh consists of frame secondary layers of metal mesh.
3. The processor forms a filter consistency layer on the hollow in the process of filtering to remove impurity.

Functions:

It can be used for bleaching filter and dust of filter of water and cooling water etc.



立式叶片过滤机
Vertical Leaf Filter



卧式叶片过滤机
Horizontal Leaf Filter



不锈钢袋式过滤机
Stainless Steel Bag Oil Filter



叶片过滤机滤板
Filtering Plate Oil Leaf Filter

● 板框压滤机 Plate-Frame Filter Press

板框压滤机是由滤板、滤框和滤布组成的以滤板分布和以滤框分布进行过滤的机械组成。

特点: 1. 造型美观, 结构紧凑, 占地面积小。2. 该系列压滤机无论在运输、安装、使用等各方面安全又方便。3. 板框压滤机有制造、铸造之分, 执行各自工业标准即可立式和卧式设计。4. 在滤板中间设滤布, 滤布入内端空气进行吸压, 将杂质水分吸出。

用途: 板框压滤机适用于制糖、制药、化工、造纸、冶金、环保、矿业、食品、废水处理等行业。以过滤形式进行固液分离, 它是材料制造业较广的一种中小型机械装备。

It is made of four plate, filter frame and filter cloth and the frame part of the housing of framework.

Features: 1. Attractive appearance compact structure occupying the space is little. 2. This series of filter in the transportation, installation, use and so on various aspects to be both safe and convenient. 3. Filter and frame filter press adopt low flow, automatic. They have same user again and its are work. 4. It need drying the filter cloth, no air pass into the compressed air to blowing pressure, for residual moisture out.

Functions: The filter can be used in the fields of sugar and medicine manufacturing, chemical industry, special coal washing, chrome plating, paper and so on waste water treatment etc.



双筒圆打筛

Double Drum Hull Beater

双筒圆打筛为分选筛分设备，主要用于粮谷的脱粒加工，将籽粒剥壳之后，直接送入本机，碾仁、完成打筛。

Double drum hull beater is one kind of separation and screening equipments, which is mainly used in the cotton seed pretreatment process to separate kernel and shell after cottonseed is heated.



圆盘剥壳机

Disk Sheller

本厂生产DZ型圆盘剥壳机，使用范围广，通常用于籽粒的剥壳，其它物料作物，如泥土、油桐籽、蓖麻籽等亦可开壳进行清洗，并可碾碎脱壳后的杂质。

DZ disk sheller machine is widely used to shell cotton seeds. It can be suitable for shelling other of crops like peanut, castor seeds, sesame nuts, and also used to crush the broken or cake.



主要技术参数 Main Technical Parameters

型号 Model	筒体直径 (mm)筒体长度 (mm) Drum diameter (mm) Drum length (mm)	生产能力 (t/h) Capacity	空转转速 (r/min) Idle speed	电动机功率 (kW) Motor power
77	110	30	1200	0.22x0.4x0.38
88	145	60	910	2.00x1.20x1.00
97	170	120-170	980	2.20x1.60x1.00



板式换热器
Plate Heat Exchanger



螺旋板换热器
Screw Plate Heat Exchanger



软化锅 Softening Kettle



配电室 Power Distribution Room

◎ 浓香油生产线 Aroma Oil Production Line

本套浓香油生产线由打料、提理器、回流控制等部分组成（有制加药机、制提器提理、油相高料斗选择）、直量质料池、精加理器池、回流池、回流泵、电加料等组成一套完整的流水线，凡是私人原料，制前可先由提理器提理和加热的材料，具有技术先进、造相美观、操作便捷方便、产量大、洗效率高、电机强、不堵塞且高次保护等优点。

该套设备可以生产各种油料原料，如生产需要加料油、在生油、香茅油、黄在行油、香茅油、黄在行油等。

该套设备有日产（原料）3吨、5吨、8吨、10吨、15吨、20吨、25吨、30吨，最大可日产产量100吨。

This complete set of processing equipment is composed of shaker, mixing tank, automatic temperature control three heating, high-temperature heating tank, oil that type or hot type, available for use (optional), drying heating machine, flow filling machine, oil flow filling tank, oil pump and electric control cabinet to form a complete flow line. Only need to put the material into the high-quality oil that just can get the equipment has the advantages of advanced technology, beautiful appearance, convenient operation and maintenance, large output, high efficiency, strong motor, not blocked and high protection and so on.

This set of equipment can be used to produce more kinds of oil material, such as rapeseed, soybean oil, rapeseed oil, peanut oil, rapeseed oil, sunflower oil, etc. and so on.

This type equipment can be used to produce more kinds of oil material, such as rapeseed, soybean oil, rapeseed oil, peanut oil, rapeseed oil, sunflower oil, etc. and so on.



工业技术参数 Main Technical Parameters

系列/Type	生产量/日 Output/Day	设备尺寸 Equipment Size	操作温度/℃ Operating Temperature	设备重量 Equipment Weight	装机容量/功率 Power Consumption/Power Rating	操作时间/一天 Operating Time/Day
400	3-5	4-10	80-800 ± 5	15-40	0-20%	5-12%
500	5-8	10-14	80-800 ± 5	15-40	0-20%	5-12%
600	10-15	20-25	80-800 ± 5	15-40	0-20%	5-12%
700	15-18	25-32	80-800 ± 5	15-40	0-20%	5-12%
800	10-15	35-45	80-800 ± 5	15-40	0-20%	5-12%
900	18-22	30-40	80-800 ± 10	15-40	0-20%	5-12%
1000	24-28	40-45	80-800 ± 10	15-40	0-20%	5-12%
1200	30-40	50-100	80-800 ± 10	15-40	0-20%	5-12%
1400	60-80	100-200	80-800 ± 10	15-40	0-20%	5-12%
1600	80-100	180-200	80-800 ± 10	15-40	0-20%	5-12%

◎ 自动控制系统: Automatic Control System:

本系统操作方便简单易懂，PLC控制，制配可实现，智能控制及美执行机构，通过此系统操作人员可全车进行生产控制，工艺控制，为生产流程及管理提供可靠运行数据，系统以先进的控制策略为基础，能够很好满足生产流程的要求，实现了过程参数的自动化控制，完成了工业过程控制的要求，为提高工艺操作水平及控制水平创造了条件。

系统从设计、安装、平衡运行和技术支持的美理进行设计、配置与实施，能有效提高工作效率，改善工作环境，降低劳动强度，提高产品质量。通过先进的控制策略，工艺参数控制中电气设备的控制与配合，为管理决策、设备维护和生产控制提供丰富的经验。操作人员实时监控，通过WVCC上位机软件，可以控制工艺生产流程，实时监控对数据的读写，以满足生产流程控制的需求，另外，控制策略可根据实际需求，具有多种策略，以满足生产流程，产品品质分析和生产工艺改进。

PLC上位机软件/PLC软件/PLC接口，有PLC和上位机都连接到了工业以太网交换机，不但实现了上位机和PLC的连接，上位机上实现了对生产流程的实时监控；而且上位机软件上实现了以太网接口，可以将本基地工人工厂的管理员，通过上位机软件实现的OPC功能将生产数据上传到管理，实现生产流程的工厂自动化。

操作站组态示例（以往工程）

Operating station configuration examples(Previous projects)



图1: 监控曲线 Monitoring curve

图2: 控制柜结构图 Control cabinet structure chart

The system consists of an control station (real-time control), PLC system, power supply and distribution system, intelligent instrumentation and automatic control, and the production of whole hydro-technology. Through this system, provide reliable operation data for production scheduling and management, and to achieve control through the system could fully meet the production needs, to achieve a stable control of process parameters to complete the design of control system of industrial processes. It mainly consists of: planning technology, operation technology, and control technology.

System from a practical, reliable, stable operation and advanced technology point of view of design, configuration and implementation, can effectively reduce work intensity, improve the working environment, reduce labor intensity and improve product quality. Through the communication function of the system, process control and electronic equipment control parameters digitally control by management. Device design, quality control and production control design the communication gap. PC is to achieve control of the main-machine interface. By WVCC-PC software, you can draw a flow chart production process, to achieve real-time data read and write the data in order to meet user demand for production control. In addition, to draw real-time data, historical curve and bar graph important data, historical data, it can be used to meet user production process, analysis and improves the production process of product quality.

PLC main control CPU with integrated reliable Ethernet interface, the PLC and PC are connected to the industrial site of Ethernet switch, not only to achieve real-time data on the PC and PLC communication, PC and control the production process, and is the main interface for the Ethernet interface, the system can be linked into the plant management network. Through the PC software integrated OPC function all production data uploaded to the management network, production management of the entire plant automation.

◎ 浸出设备 Extraction Equipment

浸出法制取油的基本原理

溶剂浸出过程是利用溶剂对油脂的溶解在混合油中的特性, 将两者之间相互进行扩散作用而进行的一种制油方法。在化工单元操作中叫萃取或提取, 它实际上是一个物质传递过程, 将混合液中的溶剂按挥发性物质(或低沸点物质)的沸点的不同进行蒸发。汽化, 使溶剂汽化变成蒸气并与油分离而得到湿油; 湿油蒸气经冷凝和冷却, 回流以回收溶剂使用。药内含有一定量的溶剂, 对其进行干燥处理并回收其中溶剂, 得到干粕。

本厂可提供30-1000kg/h的连续式浸出工程(平转浸出器, 环状浸出器, 链式浸出器, DTDC溶剂塔, 全色过滤器, 布袋回收, 溶剂冷凝回收)。

Basic Principles of Solvent Oil Extraction

The extractive process is a way to get rid of oil through the speed effect between solvent and fat in oil material which can be dissolved in the designated solvent. In fact the operation system is a process of mass transfer. In chemical unit it is called extractor or extraction. Owing to different boiling points of solvent/oil (water and oil/non-oil-like matter), the crude oil is obtained by evaporator/boiler stripping to make the oil separate from fat. The solvent steam can be used by condensation, cooling and recovery. The design contain certain solvent, and it will become dry residue after it gets dried and solvent recovery.

Our company provide Turn-key Project for 30-10000L/h solvents extractor, loop-type extractor, helix-type extractor, DTDC desolventizer-boiler, vacuum evaporator, wax recovery and solvent condenser recovery.



环形浸出器 Loop-Type Extractor



平转浸出器 Rotor Extractor



链式浸出器 Chain-Type Extractor



浸出车间蒸发器
Desolventizer-Boiler of Extraction Workshop



浸出车间蒸发系统
Evaporation System of Extraction Workshop



浸出车间蒸发系统
Evaporation System of Extraction Workshop



浸出设备尾气回收
Solvent Recovery From Vent Gas



凉水塔
Cooling Tower



浸出车间浸出器上部
Upper Part of Oil Extractor for Extraction Workshop



浸出车间上部
Upper Part of Extraction Workshop

● 油脂精炼分提 Oil Refinery And Fractionation

植物油精炼可去除植物油中含有杂质、消除异味、改善、并味和其它品质，其工艺主要包含脱胶、脱酸、脱色、脱磷、脱蜡等工序。我公司可为您提供最专业的植物油精炼的工艺技术并设备（1吨/天~300吨/天），并根据油品的不同灵活选择物理精炼或化学精炼工艺，使精炼的成品油在最佳的成本下能够达到最佳的品质。

Vegetable oil refinery can remove the phospholipid, FFA, pigment, protein and other impurities in the crude oil. It includes degumming, deacidification, bleaching, decolorization, dewaxing. The company can provide best of refinery technical skill and apparatus for you (1T/D-300T/D), and we also can flexible adopt physical refinery or chemical refinery according to different crude oil products. In the method of refined quality and price.



碱炼脱皂工序 Alkal Refining Deseap Process



混合配比工序 Blending Process



白土定剂量工序 Bleaching Earth Dosing Process



物理脱酸及臭工序 Physical De-acidifier & Distillation Process



脱色工序 Bleaching Process



真空系统 Vacuum System



板框过滤工序 Plate-frame Filter Process



脂肪酸回收工序 Fatty Acid Recovery Process



结晶养晶工序 Crystallizing & Maturing Process



冷冻系统 Refrigeration System



精炼油罐区 Refined Oil Tank Area



电气控制系统 Electrical Control System



蒸汽锅炉 Steam Boiler



导热油炉供热设备 Conduction Oil Furnace Heating System

● 小型精炼-冬化机组 Small Refining And Winterization Unit

本机属于间歇精炼油设备，具有大中型间歇精炼设备的所有功能。在安装和操作上优于大、中型精炼设备。该设备可生产高级充氮油色拉油。本机组成混合、白土热源、气源、电气控制、蒸馏缸、脱色缸、用户使用方便。该机不需专用基础，安上电源向床水、各行、煤、磷、活性炭、食盐等耗材即可。

The unit belongs to batch refining oil equipment, has all features of large and medium size batch type of refining equipment. The installation and operation are better than that of large and medium-sized refining equipment. This equipment can produce senior cooking oil or salad oil. The construction unit is equipped with heat source, air supply and electrical control. This unit has features of light weight, power saving and easy operation. It doesn't need special foundation which just needs connect the gas/electricity/water and provide the raw material (phosphoric, bleaching earth, salt and other consumption material).



机组主要设备

- 1 中储油缸，用于磷酸脱色、磷酸混酸和水洗。
- 2 脱色缸，用于脱除色素、漂白油酸及油酸废水。
- 3 脱磷缸，用于脱去油酸臭味、杂质（不锈钢筒体）。
- 4 导热油炉，提供各设备生产所需热能温度达200℃以上。
- 5 蒸汽发生器，提供脱色时所需饱和蒸汽。
- 6 真空泵，提供脱色、脱色所需的真空。真空度可达到750mmHg以上。
- 7 压滤机/带式过滤器，过滤白土、黄料清渣。
- 8 空压机，用于脱色白土、吹干压滤机滤渣。
- 9 油泵，输送油路。



The main equipment

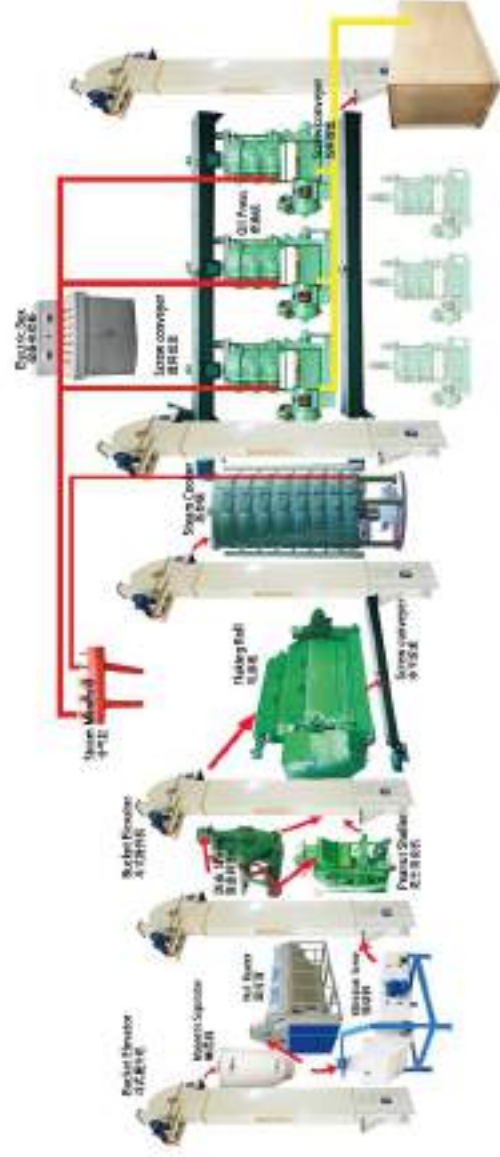
1. Neutralization tank: it is used for phosphoric acid degumming, alkali deacidification and washing.
2. Bleaching tank: it is used for removing pigment, grease, tocopherol/phytol.
3. Decoloration tank by stainless steel: it is used for removing the odor and peculiar smell.
4. Conductor of furnace: it can provide the heat for reaction to make temperature reach above 200° C.
5. Steam generator: it can provide the steam for decoloration.
6. Vacuum pump: it can provide the vacuum for dehydration, bleaching and decoloration. The vacuum can reach above 750mmHg.
7. Filter press/leaf filter: it filters bleaching earth for getting clear oil.
8. Air compressor: it dries the bleaching earth, and blows the residual oil of the away.
9. Oil pump: it conveys the oil.

本公司还可以承接：动物油脂精炼、白土回收工程、生物柴油工程

The company can also take the following project: animal fat refining, bleaching earth recovery, biodiesel refining



Tea seed oil project



● 30-200吨榨油全套生产线

30-200 Tons Per Day Complete Set Oil Production Line



● 5T/D精炼设备-车间实景拍摄

5T/D oil refining equipment - shot in the real workshop

剥壳设备 Shelling Equipment



剥壳机产线 Shelling Machine Production Line



松子脱壳分选成套设备 Pine Nut Shelling And Sorting Unit



绿豆脱皮分选机 Mung Bean Peeling And Sorting Machine



葵花籽脱壳分选机 Sunflower Seed Shelling And Sorting Machine



剥壳机产线 Shelling Machine Production Line

食用油灌装设备 Oil Filling Equipment

双头半自动小包装灌装机
Double-Head Semi-Automatic Small Package Filling Machine吹瓶枪
Blow Bottle Gun履带式压盖机
Crawler Type Capping Machine传送带
Conveyor Belt检测灯箱
Detection Light Box小字符喷码机
Small Character Inkjet Printer全自动高精度小包装食用油灌装机示意图
Schematic Diagram Of Full Automatic High Precision Small Package Edible Oil Filling Machine

Partners 合作伙伴



阿法拉俊

NETZSCH

德国耐驰



江苏巨能

上海凯泉

上海凯泉

密友MIYOU

昆山密友机械密封

LIGAO 力高泵业

力高泵业

上海沪博机电有限公司

上海沪博真空泵

无锡市安化泵业厂

无锡安化泵业

造大阀门

造大阀门



格三富水泵

大连帝国屏蔽泵有限公司

大连帝国屏蔽泵

江阴福鑫机械有限公司

江阴福鑫机械

三联传动机械有限公司

温州三联减速机

烟台飞达机械设备有限公司

烟台飞达包装机械

苏州工业园区太平洋板式换热器有限公司

苏州太平洋板式换热器

AOLI 奥利机械集团

上海奥利泵业

南京润通机械集团有限公司

润茂减速机

高山阀门

高山阀门

Seles Department 销售部

全部实景拍摄
shoot in the actual plant

The Factory And Workshop 厂区和车间

全部实景拍摄
shoot in the actual plant

