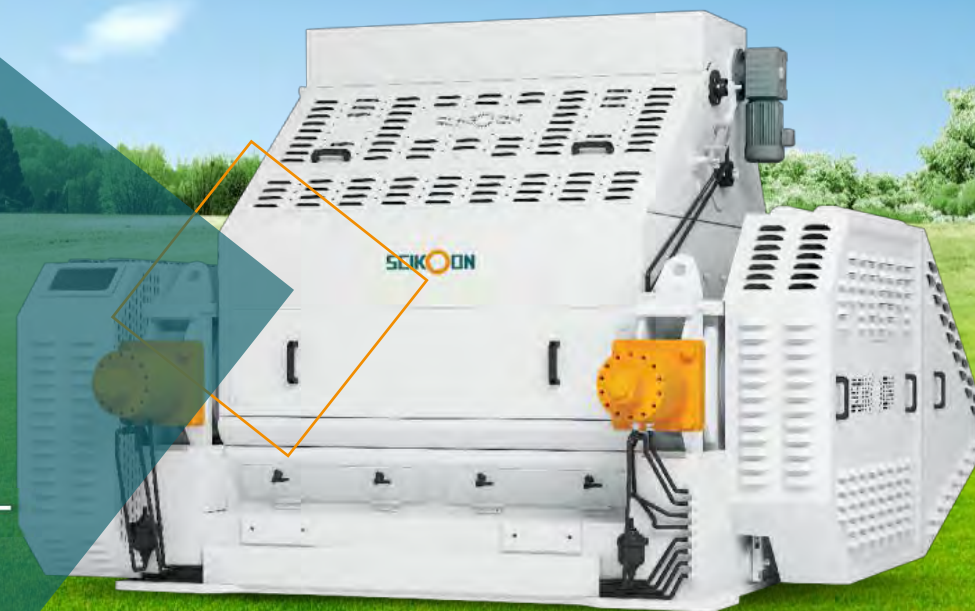


# 高端油脂预处理设备供应商

## The whole line oil pre-treatment equipment supplier

广州市星坤机械有限公司  
Guangzhou Scikoon Industry CO., LTD





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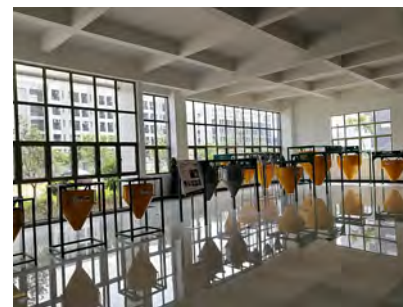
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# 关于星坤

高端油脂预处理设备供应商  
为您提供一站式油脂预处理解决方案

About scikoon

The Whole Line Oil Pretreatment Equipments Supplier  
One Stop Solutions to Oils & Fats Preparation

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广州市星坤机械有限公司成立于2003年，位于中国的南大门花城广州，是一家专业从事油脂预处理设备，饲料加工设备及其他相关设备制造的企业。经过多年努力，成为国内外著名的粮油机械设备供应商，产品覆盖油脂预处理各工艺领域，与国内外多家大型粮油集团建立了良好的合作关系。成功研制生产的多项大型设备，均为目前单机产量最大设备，并因其产量大、生产效率高、节约能耗、维修率低，受到业界的广泛认可。产品更远销欧洲、南美、北美、俄罗斯、日本、韩国、东南亚、中东、非洲等国家和地区。

近年来星坤不断进取，引入先进的ERP制造业管理体系和ISO9001:2008质量管理体系，使星坤在整个设备制造的各个环节都走在行业的前列。

2016年，星坤机械积极引进国外先进的抑尘技术及设备，和DSH公司联手推出了抑尘系统，目前在中国市场已经投入使用，并得到众多用户的认可。从2016年系统开始运行以来，目前已在益海嘉里、中粮、嘉吉、路易达孚等十多家大型油脂加工企业使用，累计销售百余套。

SCIKOON INDUSTRY CO., LTD, located in the southern gate of China, was founded in 2003, specializing in manufacturing edible oil pretreatment equipments, and other kinds of related equipments.

SCIKOON' products cover the whole edible oil pretreatment equipments: flaking mill, cracking mill, screener, conditioner, Jet dryer, cooler, aspirator, meal crusher, etc. The 500T/D full automatic hydraulic flaking mill, 1000T/D double-deck cracking mill and 3000T/D new rotary screener own the biggest capacity per unit in the domestic market, plus than that, we successfully research & produce the soybean conditioner of 3000T/D, which also owns the largest capacity in the market. Hereto SCIKOON has finished the growth of the biggest capacity and universal coverage of the edible oil pretreatment equipments in China market.

After years of unremitting efforts, SCIKOON has become the most reliable supplier in the field, and established healthy business relationship with many top edible oil groups. SCIKOON' products have been exported to Europe, South America, North America, Russia, Japan, Korea, Southeast Asia, the Middle East, Africa, and other countries and regions in the world.

Over the years, SCIKOON adheres to the business philosophy - 'pursuing excellent management, creating perfect quality, dedicating sincere service', constantly seeking to upgrade technology research and manufacture excellent equipments manufacturing, to create maximum values for customers. SCIKOON has introduced advanced ERP manufacturing management system and ISO9001: 2008 quality management system which make SCIKOON stand in the forefront of the industry. The advanced technology, high quality machineries and dedicated service will provide SCIKOON the most solid guarantee for contribution to the world equipment manufacturing industry!

2016, Scikoon introduced overseas advanced dust suppression technology, cooperated with New Zealand DSH Company to promote dust suppression system in China. At the moment the system has been applied in China and obtained clients' high recognition. Since 2016, the dust suppression system has been widely used in big edible oil groups like Cargill, COFCO, Bunge, Louis Dreyfus, etc, with total more than 200 units.

用心打造行业精品，努力皆为客户所需。

Create the best products in the industry, just all for clients' needs.



## 发展历程

星坤一直秉承“追求卓越管理，创造完美品质，奉献至诚服务”的经营理念，专注油脂预处理及其他相关设备的研发制造。

### History

By adhering to the business philosophy-'pursue of excellent management, create the perfect quality, dedicate the sincere service', Scikoon focuses on oil& fats pretreatment machineries and other related equipments R&D and manufacturing.



**2004** 与皇冠合作，星坤PS系列筛机进入各大油脂加工企业；与广州市南洋国际工程技术服务公司建立合作关系。

**2004** By cooperating with Crown, Xinmas PS series screener was selected in large oil processing groups ; Cooperated with South Ocean International Engineering Company.

**2006** 星坤SN/DN系列新型筛机研制成功并在嘉吉集团投入使用。

**2006** Successfully manufactured the new SN and DN series screener and put into use in Cargill Group.

**2003** 广州市星坤机械有限公司正式成立。

**2003** Guangzhou Xinmas Industry Co.,Ltd was founded.

**2005** 星坤1000T/D破碎机研制成功并在来宝集团投入使用。

**2005** Successfully manufactured the 1000T/D cracker and put into use in Noble Group

## 发展历程

### History



**2008** 星坤500T/D轧胚机、DD破碎机研制成功并在来宝集团投入使用。

**2008** Successfully launched the 500T/D flaking mill & DD cracking mill and put into use in Noble Group.

**2010** 与广州南洋国际合作完成星坤第一个2500T/D全套预处理设备项目；星坤500T/D轧胚机首次进入九三集团。

**2010** Finished the 2500T/D full set of oil & fat pretreatment project by cooperating with South Ocean International Eng ; Scikoon 500T/D flaking mill was used in plant of Nine-Three Group

**2007** 与世界500强德国赢创德固赛建立合作关系，并成为其中国指定生产商。

**2007** Cooperated with one of the Fortune Global 500 companies-Evonik Degussa and become his designated equipment manufacturer in China.

**2009** 与迪斯美-巴拉斯特、中储粮建立合作关系。

**2009** Started the cooperation with Desmet-Ballestra and China Grain Reserves corporation SINOGRain



## 发展历程

### History



JJ-LURGI



BUNGE

**2012** 与捷成鲁奇建立合作关系。并成功研制出12000T/D MU 系列多功能宽幅筛，并在九三集团投入使用；与南非来宝签署1500T/D调质、轧胚项目。

**2012** Established cooperation relationship with JJ-Lurgi; Successfully R&D of the 12000 MT/D MU series screener and put into use in Nine-Three Group.

**2014** 与九三惠禹签署两条8T/H大豆膨化粉生产线全套设备采购合同；与广州植之元签署4000T/D豆粕加工破碎机设备采购合同；与欧洲工程公司签署调质塔等设备采购合同。

**2014** Signed the contract with Nine-Three Group for 2 lines 8T/H soybean extrusion powder project; Supplied Scikoon cracker to 4000T/D soy meal processing project of Dongling Group; Signed the contract of the conditioner with HUM - European engineering company.

**2011** 与东凌集团-广州植之元签署星坤第一个5000T/D破碎轧胚项目；与九三集团-防城港惠禹签署星坤第二个5000T/D破碎轧胚项目。

**2011** Signed the first 5000T/D cracking and flaking project agreement with Dongling Group; Signed the second 5000T/D cracking and flaking project agreement with Nine-Three Group.

**2013** 与南洋国际公司合作东凌集团-广州植之元膨化粉工程；与宏润集团签署600T/D玉米胚芽轧胚机、破碎机项目。

**2013** Changed Company Name from Xinmas to Scikoon; Cooperated with South Ocean at Dongling Group-Zhizhiyuan soybean extrusion powder project; Signed the contract with Hongrun Group to supply flaker & cracker to 600T/D corn oil project.

## 发展历程

### History



**2016** 与新西兰DSH系统有限公司签订《集尘斗中国区域制作、营销&销售许可合约》。  
与迪斯美在意大利项目合作。

**2016** Signed the Agreement on Manufacture, Marketing & Sale Exclusive Licence to  
produce and supply DSH hopper in China with DSH Company 。  
Cooperated with Desmet-Ballestra for projects in Italy, Algeria, Saudi Arabia.

**2015** 与迪斯美-巴拉斯特在乌克兰、埃及和日本项目合作  
与迈安德集团建立合作关系。

**2015** Supplied equipments to Desmet-Ballestra for the projects in Ukraine,  
Egypt and Japan

**2017** 与益海嘉里签署集尘斗销售协议，成为益海集团中国区域  
《集尘斗》唯一供应商。

展望未来，星坤期待与您携手共创无限精彩.....

Signed the DSH hopper sale agreement with Wilmar,  
become Wilmar Group's sole supplier in China

Scikoon looks forward to co-creating a glorious future with  
you...





星品质 耀未来 Star Quality Diligent Creation

星坤自创立以来，始终以“缔造世界品质”为奋斗目标，积极推动事业全球化发展。

目前，星坤已与多家国内外大型油脂集团建立了良好的合作关系，我们的产品更远销欧洲、南美、北美、东南亚、非洲等多个国家和地区。

Since Scikoon founded, we always hold the goal of “Creating World Quality”, and also actively promote the development of globalization.

At present, we have established good business relations with many big domestic and overseas oil & fats groups. Our machineries have been spread over many countries and districts like Europe, America, Southeast Asia, and Africa, etc.

## 星坤全球

Scikoon Global



南洋客户来访

South Ocean Client Visiting



俄罗斯客户来访

Russia Client Visiting



皇冠美国采购经理来访

Crown Purchasing Manager Visiting



嘉吉客户来访

Cargill Client Visiting



香驰集团客户来访

Xiangchi Group Visiting



粉尘防爆专家周教授来访

Dust Explosion Proof Expert Visiting



迪斯美客户来访

Desmet Client Visiting



澳大利亚客户来访

Australia Client Visiting





中国粮油学会专家参观指导，并给予DSH抑尘系统充分肯定、评价。  
China Oils & Fats Association Experts visited and appraised DSH hoppers.



# 02

## 技术支持

专业的研发团队及完整的设计、制作、调试体系

专业、高效的6S生产管理模式

先进的生产加工设备

卓越的客户支持与服务

## Technical support

Scikoon has professional R&D group and complete system of design, manufacture and debugging

Advanced of Production Facilities

Professional and Efficiency 6S Production Management

Excellent customer support and service



## 星坤资质 SCIKON QUALITY



星品质 耀未来 Star Quality Diligent Creation

2009年7月 粮油饲料加工设备的制造获ISO9001:2008质量管理体系认证

2012年7月 油脂预处理、饲料加工设备的设计和生获ISO9001:2008质量管理体系认证

2012年5月 轧胚机、破碎机、分级筛获欧盟CE认证

2016年4月 MU宽幅分级筛获发明专利、实用新型专利及外观专利认证

July 2009, animal feed equipments manufacturing approved by the ISO9001:2008 Quality Management System.

July 2012, the design and manufacturing of the oilseed preparation machines and animal feed equipments approved by the ISO9001:2008 Quality Management System.

May 2012, flaking mill, cracker and sifter approved the EU CE certifications.

April 2016, Multi Rotary Screener obtained invention patent, appearance patent and utility new model patent.

心创造

Diligent Creation



星品质 心创造 Star Quality Diligent Creation

星坤拥有专业的研发团队及完整的设计、制作、调试体系，能将客户需求快速有效的实现为优质产品，这些都是星坤立足中国，傲视全球的核心竞争力。

星坤严格按照国际技术标准和客户要求，高质量的进行设备各环节的设计和制造：

1、问题概念化 2.概念可视化 3.设计实践化 4.产品论证化

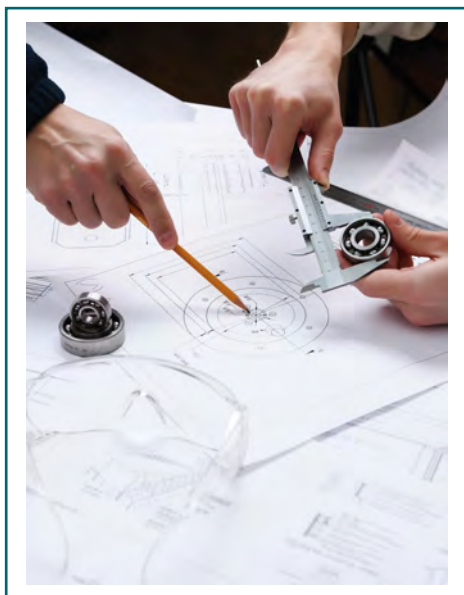
Scikoon has professional R&D group and complete system of design, manufacture and debugging, which can effectively realize customers' demands into high quality products. All these are the core competitiveness of Scikoon to keep a foothold in China and take pride in the world.

Strictly abide by the international technical standards and customer requirements, Scikoon highly designs and produces every link.

1. Concept Definition 2. Concept Visualization 3. Design Practices 4. Products Approval

# 心创造

## Diligent Creation



### 1.问题概念化

通过对产品及市场趋势的研究，了解项目；  
探询产品的技术与趋势、竞争态势、使用功能；  
形成高附加值的新产品概念。

#### 1. Concept Definition

Through the studying of products and market trend to know the project;  
Inquire about the technology and trends, the competitive situation and the using functions of products to form a high value-added new concept of product.

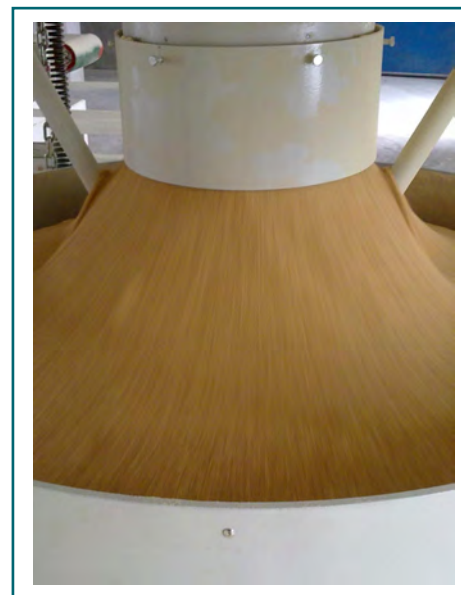


### 2.概念可视化

设备外观设计以纯美学及紧凑为基础；  
功能以实用、耐用、高效为主导；  
每一件产品都是造型与功能的完美结合。

#### 2. Concept Visualization

Based on purely aesthetic and compaction of appearance design;  
With main functions of utility, durable and efficient;  
Each product is the perfect combination of molding and function.

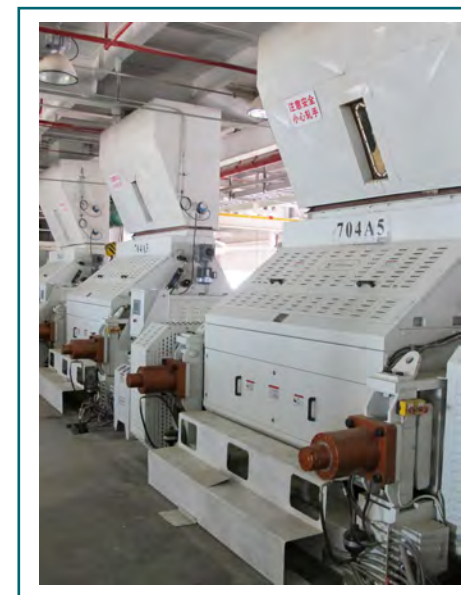


### 3.设计实践化

星坤拥有强大自主的产品生产制造能力，  
藉由大量的高端技术人才及善于沟通的团队，把设计原型有效的实现为产品。

#### 3. Design Practices

Scikoon owns a strong self-directed capacity of manufacturing products.  
Then a large number of technical talents and communicational team will make the design prototype into products effectively.



### 4.产品论证化

每一款产品都经过星坤人的深入研究与反复测试，得到最佳认证后进行生产。  
我们对每一个细节都孜孜不倦，力求完美。无论是在研发、后期专业资源、生产调度，甚至到产品使用计划，都融入了星坤人的智慧与汗水。

#### 4. Products Approval

Each product is produced after getting the best certification which has been studied intensively and repeatedly tested by Scikoon people. We are indefatigable to strive for perfection of every detail.



## 星品质

SCIKOOK QUALITY



### 专业、高效的6S生产管理模式

星坤采用专业、高效的生产管理模式，提高工作效率，提升员工士气，确保产品品质，严格按照ISO9001:2008质量管理体系标准，将设计、采购、生产、检测、调试、包装及售后服务等进行全程控制，确保各项检测指标优秀。

### Professional & Efficient 6S Production Management

Scikoon adopts professional and efficient 6S production management to improve working efficiency, boost the staffs' morale and ensure the products' quality; Scikoon strictly complies with the ISO9001:2008 quality management system standard to control the whole procedure from design, purchasing, production, inspection, debugging, packing and after-sale services.

星品质

SCIKOON QUALITY

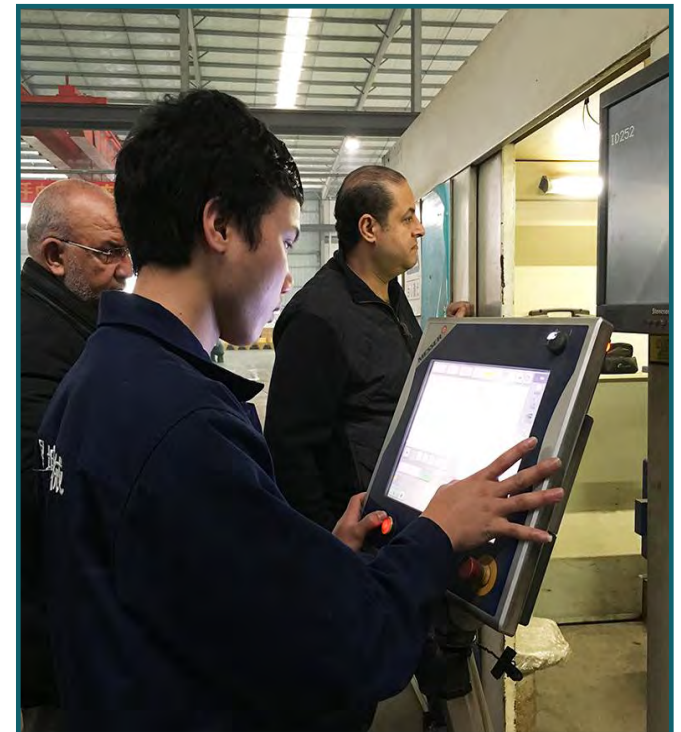


### 先进的生产加工设备

星坤引进了一大批先进的生产加工设备，大型激光切割机、等离子火焰切割机、大型数控机床、数控折弯件、剪板机、大型喷砂房、高精度液压拉丝机等。每一个产品都经过严格的性能测试，使产品品质得到充分保证。

### Advanced Production Facilities

Scikoon has a complete of advanced production equipments, such as big CNC laser cutting mill, plasma flame cutting machine, big CNC machine, CNC bending machine, plate shearer, big sand abrasive blasting room, high precision of regrind and fluting mill. Each part of the products has been inspected strictly to ensure high level quality.



心服务

HEARTED SERVICE



客户为 根  
CUSTOMER-CENTRIC

服务是 本  
SERVICE-ORIENTED

诚心 贴心 细心 耐心 舒心 五心服务理念  
Sincere Intimate Careful Patient Happy

我们追求服务高端化，但从来都是从小事做起；

我们追求成就卓越，但一直都是从平凡做起。

星坤秉承“服务从心开始”的五心服务理念，为客户提供最优秀的售前、售中、售后及相关培训服务；确保客户100%的满意是星坤不断追求的目标。

星坤的售后服务体系全部采用自营方式，24小时不间断地为客户提供全方位的增值服务，高效便捷，彻底解决客户的后顾之忧。

**We pursue to high-end service, but always start from the little things;**

**We pursue to outstanding achievements, but always start from the ordinary.**

Adhering to the ‘service from heart’ of five hearted service concepts, Scikoon dedicates to provide our clients with the best quality of the pre-sale, in-sale, after-sale and some other training services. Ensuring our clients' 100% satisfaction is the goal of Scikoon’ constant pursue.

Scikoon’ after sale service system is adopted self-support mode, 24 hours providing a full range of value-added services, efficiently solving client’ s troubles.



## 心服务

### HEARTED SERVICE



#### 服务承诺

星坤拥有先进、完善的管理机构，对售后服务尤其重视。选择星坤您将享受以下服务：

我们拥有专业的设计团队，多年积累的丰富经验，确保提供专业高端设备。

我们严格按照技术标准和客户要求，高质量的进行设备制造各个环节。

发货时我们派出技术人员随货到达使用现场，协助卸货工作并现场指导安装。

设备安装结束后，我们将派出专业工程师，到达使用现场进行设备操作及设备维保培训，同时配合用户参加生产调试。

客户的需要就是我们的工作，我们会竭尽全力服务所有客户。

#### 标准完善的发货流程

出货前严格检查，48小时不间断试机，保证货物发到用户现场放心使用。

试机完毕再次对设备各部件进行全面检查，重新润滑后方交付使用。

#### 严谨的包装方式

包装完好，严整待发。我们提供的全部产品，均采用专业标准保护措施进行包装，使产品适应于远距离运输（防潮、防震、防锈和防粗暴装卸），确保货物安全无损运抵现场。

#### 严格的吊装作业操作

吊装前严格确保吊环牢固性；  
高强度钢丝绳确保吊装安全；  
详细记录好货车资料；  
严格掌握车辆行程。

#### 贴心的现场安装指导

安排技术人员随设备到达客户现场，协助卸货工作并现场指导安装。

## 心服务

### HEARTED SERVICE



**With advanced, excellent management mechanism, Scikoon specially focused on after-sales service. Scikoon will give you:**

Professional design team and accumulated rich experience after many years, ensure to supply professional high-end equipments.

Strictly follow technical standards and clients' requests to arrange every process in production with high quality.

After delivery the technician will go to the site for some equipments to assist discharging and to guide the installation.

After installation, the specialized engineer will arrive to the site to guide the training of operation & maintenance and the commissioning.

Do what clients' need, strive to serve all the clients with Scikoon utmost.

#### **Standardize the Delivery Work**

Strictly inspection before delivery, continuously test the equipments within 48 hours, to make sure the equipments perform good at user's site. Overall inspection to every part after testing and deliver to the buyer after lubricated.

#### **Rigorous Packing**

Packing well to be ready for delivery. All Scikoon products adopt professional and standard protection of packing. To make the products suitable to the far-away distance delivery and free from the moisture, shock, rust and rough handling. To ensure the safety of machines reaching the site.

#### **Strict Operations of Hoisting**

Very strict on the stability of suspension loop before Hoisting. High strength steel wire rope to ensure the safety of hoisting. Record the information of freight truck in details. Get clear of the itinerary of the truck.

#### **Thoughtful Installation Guide**

The technician will arrive to the site together with the equipments to assist the discharging work and guide the installation at site.



03

星坤产品

SCIKOON PRODUCT

客户的肯定是我们前进的不懈动力

Customer's approval is our tireless pursuit

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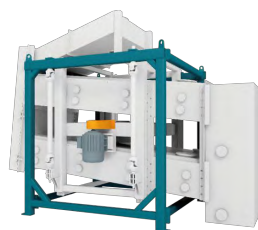
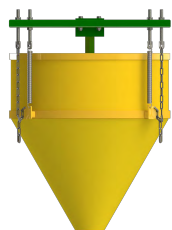
Headquaters address : No.2.xianke yi Road.Huangdong Town,Huadu District,Guangzhou,P.R.China

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The Whole Line Oil Pretreatment Equipments Supplier  
One Stop Solutions to Oils & Fats Preparation





## 全自动液压轧胚机

### Automatic Hydraulic Flaking mill

用于大型食用油料压片，食品行业麦片加工、畜牧行业玉米蒸汽胚片加工等领域。

全自动液压控制系统，西门子PLC自动控制系统，故障预警系统，温度传感系统，集中注油系统，内部粉尘清洁系统。

It' s mainly used for the oilseed flaking system, corn steam flaking plant, oatmeal flaking for food industry.

Fully automatic hydraulic system. Fully automatic PLC control system.fault EWS system. Temperature-sensing system, Centralized lubricating system, internal dedusting system.





## 性能描述

### Performance Description

- 单一电机驱动,高效节能
- 全自动PLC 控制系统;
- 高性能液压控制系统;
- 梳捋式均料器,确保物料均匀分布;
- 齿辊喂料机构,自动调节物料流量;
- 永久性磁选装置,有效去除铁屑杂质;
- 西班牙百利来冷硬合金轧辊;
- 优化组合的传动及皮带自动涨紧机构;
- 伸缩式自动刮料装置;
- SKF轴承及轴承座;
- 蓄能储压器有效缓冲高频震动.
- Single motor drive ,high efficiency and energy - saving .
- Full automatic PLC control system.
- High performance hydraulic control system.
- Comb – type homogenizer loose and distribute material evenly.
- Permanent magnetic device removing iron impurities efficiently.
- High quality chill cast alloy rolls.
- Optimal combination transmission system & auto belt tension device.
- Telescopic automatic scraper device.
- Spherical roller bearings in massive sliding block housing .
- Accumulators buffer high frequent vibration efficiently.





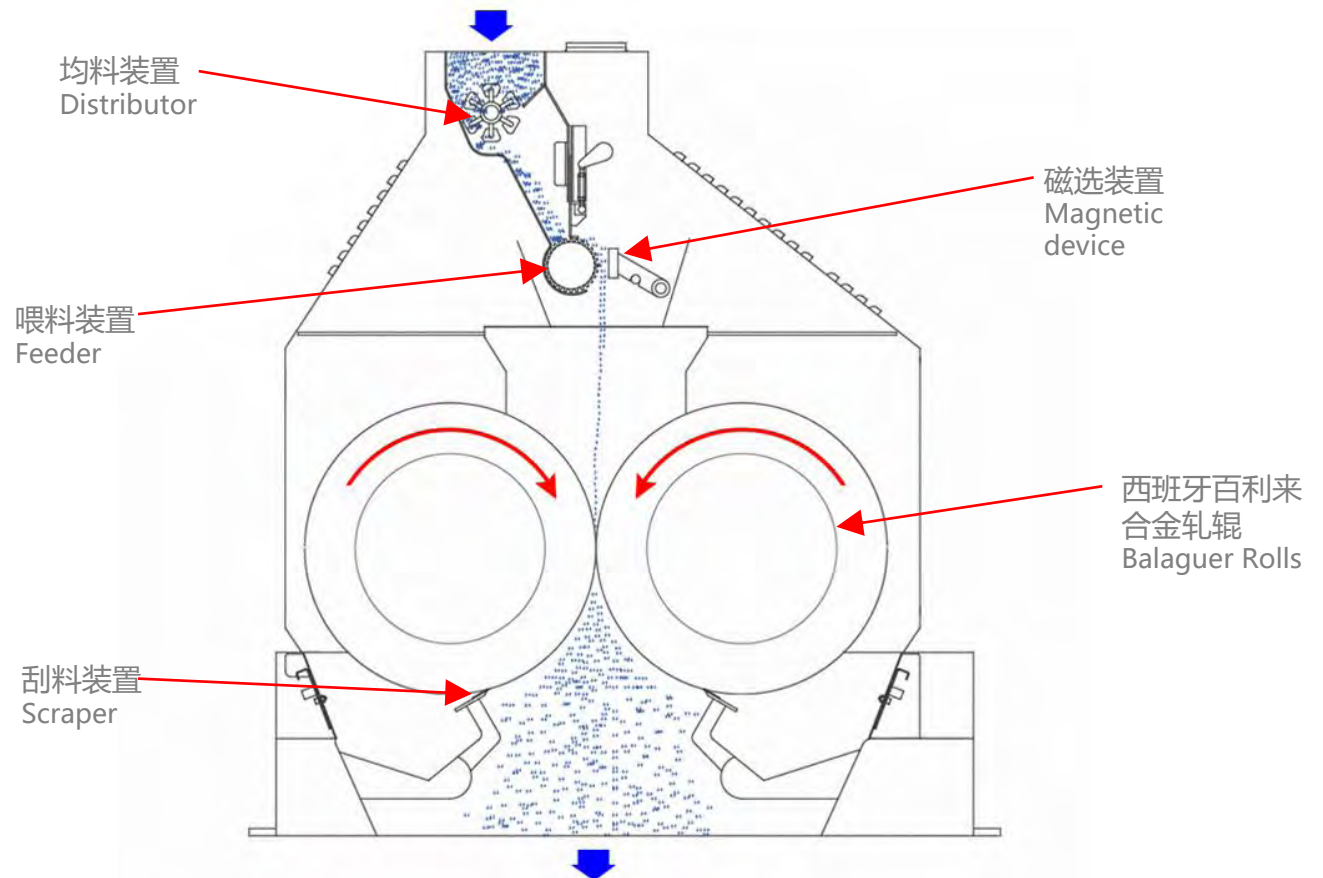


## 机器结构

### Machine Construction

集成的喂料装置，梳捋均料装置，永久磁选装置，进口优质合金轧辊，以及可调整的刮刀装置，结构紧凑，大大节省场地空间，确保设备稳定、高效的工作。

Feeder, homogenize distributor, permanent magnetic device, imported high quality chilled alloy rolls, adjustable scraper assembly, with the compact structure to save workshop occupation and ensure stable & efficient operation



## 细节描述

### Detail Description



#### 全自动PLC控制系统(西门子)

操作方式简单。控制方式多样，具备控制模式锁定，自动警报，自动多信息采集分析并实施，异常自动记录功能。

#### Full automatic PLC

#### (Siemens ) Control system

Easy operation. Various control method, control mode locking, automatic alert, automatic multi information collection analysis and implementation.



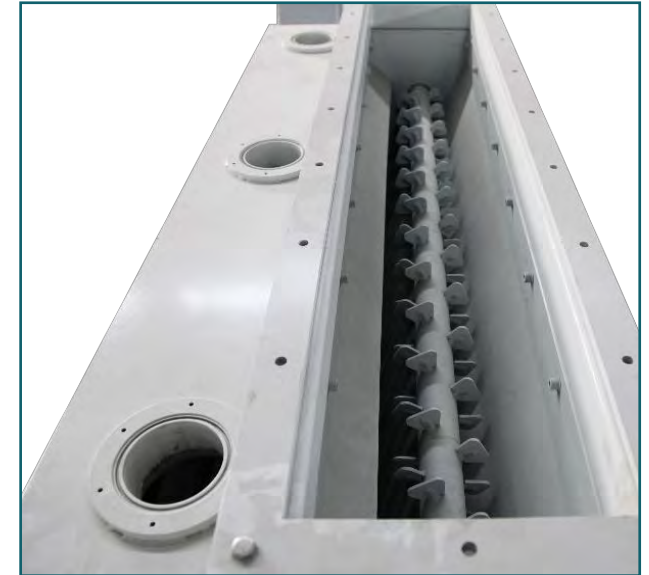
#### 高性能液压系统

压力稳定可靠，操作简单。具备一机多用，双液压源自动转换，带过滤，降温，自动压力补偿等功能。可实现节能，预防故障风险减少连带损失，保证胚片技术要求，是降低残油率的基础保障。

#### High Performance Hydraulic control system

Stable and reliable pressure,easy operation.

Multi purposes for single unit, the automatic shift between the double hydraulic units, with the functions of filtration, temperature lowering, and automatic pressure compensation.



#### 梳捋式均料装置

保物料均匀分布，大大降低轧辊在使用过程中产生局部磨损不均的情况发生，从而保证了轧辊的整体圆度，延长了磨辊的周期。

#### Comb-type Distributor

Ensure the material scatter into the machine evenly.Largely decrease the uneven wearing situation of rolls, guarantee the rolls' roundness, prolong the rolls' use life.

## 细节描述

### Detail Description



#### 永久性磁选装置

强力磁选装置，有效去除含铁杂质，可保护轧辊免受不必要的磨损。

#### Permanent Magnetic Device

Strong magnetic device, remove iron impurity effectively. Protect the rolls from the unnecessary wearing.



#### 液压料门控制装置

料控门由一个液压单元控制，可以控制、调节物料的流量；当轧辊间发生异常分辊时可以自动关闭物料流入。

#### Hydraulic material door control device

Material door is controlled by hydraulic unit, can control and adjust material flow; Material inlet can be automatically closed when rolls abnormally open.



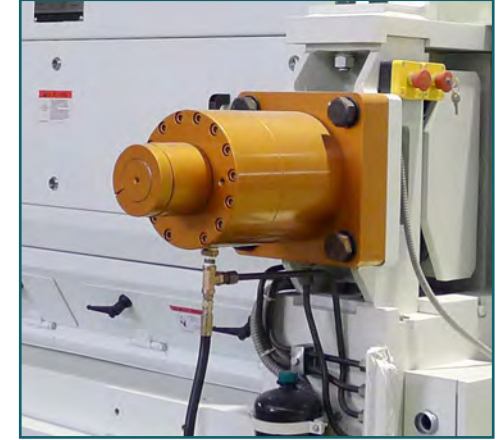
#### 优质冷硬合金轧辊

西班牙进口冷硬合金轧辊，合金层厚度 >30MM，带导热功能。

#### High Quality

#### Chilled Alloy Rolls

Spain imported chilled alloy rolls, with alloy thickness more than 30mm, surface hardness 540-580HB, with heat conduction function.



#### 高精度液压油缸

液压缸是安装在轧胚机前端液压座上，其作用是传递给轧辊压力，从而满足物料轧胚的要求。油缸耐用、稳定。

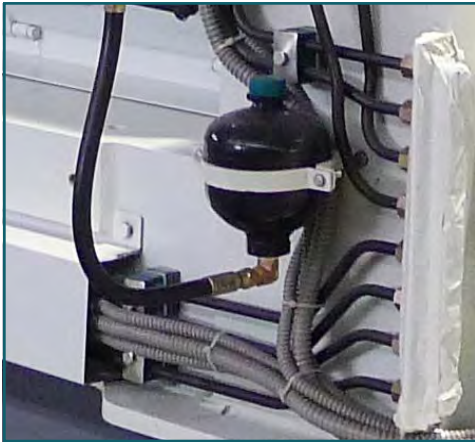
#### High Precision Hydraulic Cylinder

Installed on the hydraulic base in front of the flaking mill, to transmit pressure to flaking rolls to meet the flake thickness requirement. Durable and stable hydraulic cylinder.



## 细节描述

### Detail Description



#### 液氮液压蓄能器

每台油缸都配有液氮液压蓄能器，有效缓冲高频震动，保证轧辊压力的稳定性，从而保证胚片厚度的均匀性。

#### Liquid nitrogen hydraulic accumulator

Each oil cylinder is equipped with liquid nitrogen hydraulic accumulator, efficiently buffer high frequency vibration, ensure roll pressure stability, that the flake thickness will be even.



#### 优化组合的传动系统及皮带自动涨紧机构

有效减少涨紧力波动，保持恒定皮带涨紧力，减少震动和噪音，减少皮带磨损。

#### Optimal-combination transmission system & auto belt-tension device.

Effectively reduce tension fluctuation, keep constant belt tightening force, reduce vibration and noise, reduce belt wearing.



#### 高品质皮带轮

传动运行平稳、低噪音、低振动；缓和载荷冲击；

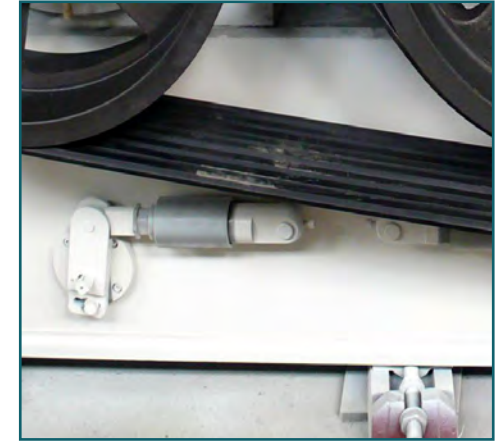
具有过载保护的功能；

#### High quality belt pulley

Stable operation, low vibration and noise

Mitigation load impact ;

With overload protection function .



#### 自动刮料装置

可调式柔性刮刀装置，不仅可以去除轧辊表面的附作物，还可以保证轧辊不受任何损伤。

#### Liquid nitrogen hydraulic accumulator

Each oil cylinder is equipped with liquid nitrogen hydraulic accumulator, efficiently buffer high frequency vibration, ensure roll pressure stability, that the flake thickness will be even.

## 工程案例

### Project Reference



#### 广州植之元油脂实业有限公司

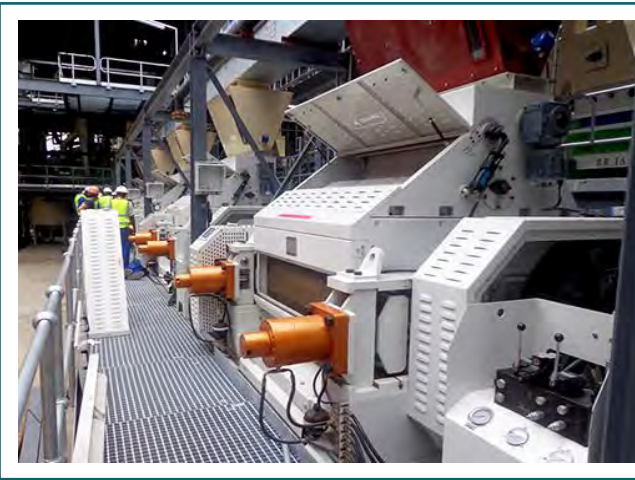
工程产量：5000T/D

工程项目：大豆预处理

**DONGLING GROUP (ZHIZHIYUAN)**

Capacity : 5000T/D

Project : Soybean preparation



#### 南非来宝

工程产量：3000T/D

工程项目：大豆预处理

**NOBLE AFRICA**

Capacity : 3000T/D

Project : Soybean preparation



#### 南通来宝谷物蛋白有限公司

工程产量：2500T/D

工程项目：大豆预处理

**NOBLE GROUP (NANTONG)**

Capacity : 3000T/D

Project : Soybean preparation

## 工程案例

### Project Reference



#### 惠禹饲料蛋白（防城港）有限公司

工程产量：5000T/D

工程项目：大豆预处理

#### **NINE-THREE GROUP (HUIYU)**

Capacity : 5000T/D

Project : Soybean preparation



#### 九三集团天津大豆科技有限公司（扩产新增）

工程产量：5000T/D

工程项目：大豆预处理

#### **NINE-THREE GROUP (TIANJIN)**

Capacity : 5000T/D

Project : Soybean preparation



#### 龙口新龙食油有限公司

工程产量：2500T/D

工程项目：大豆预处理

#### **NOBLE GROUP (LONGKOU)**

Capacity : 2500T/D

Project : Soybean preparation





破碎系列  
Cracker series



## 上下四辊破碎机 Double Deck Cracker DD series

用于大豆、玉米、小麦、高粱、菜籽、棉籽及葵花籽等粮食作物的破碎和研磨。通过对颗粒物的破碎，提高后续工序的加工效果和技术指标。

一次性达到两次破碎效果，单电机驱动，功耗低。

It's widely used for cracking plant in the grain & oil and feed industry, such as for soybean, corn, wheat, canola, cotton seed and sunflower seed, etc. Specially used in the oilseed crushing plant to have good de-hulling for next flaking step as well as in the feed mills.

Single motor drives two decks of rolls, low power consumption but achieve high cracking efficiency for 2nd cracking in grain & oil industry.



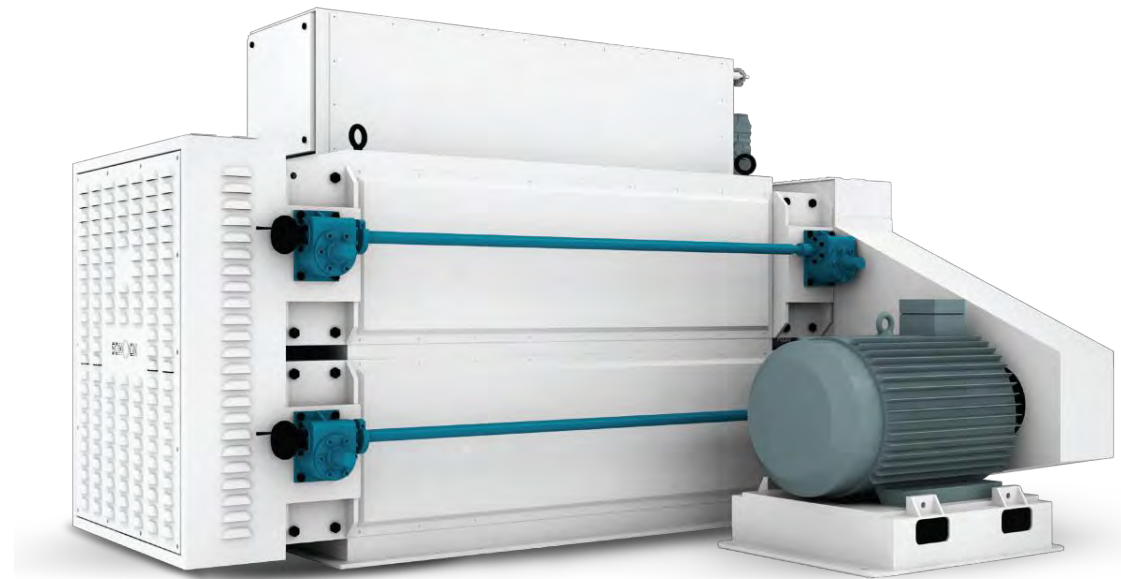
**SCIKOON** 星坤  
星品质 耀未来



## 性能描述

### Performance Description

- 齿辊式喂料机构,进料均匀流畅;
- 气动料门控制单元;
- 永久性磁选装置,有效去除铁屑杂质;
- 优质冷硬合金破碎;
- 辊体弹簧保护装置;
- 轧辊同步调节装置,轻松调节辊平行;
- 旋转仪表手轮精确调节辊间距;
- 优化组合的传动及皮带涨紧机构;
- 高品质轴承及轴承座;
- 科学的传动散热系统.
- Corrugated -roll-type feeder, feeding uniformly and smoothly.
- Pneumatic - controlled strobe controls material flow easily.
- Permanent magnetic device removing iron impurities efficiently.
- High quality chilled alloy roll.
- Spring - loaded rolls protection device.
- Synchronous roll space adjusting mechanism to ensure roll in parallel.
- Analog gauge hand-wheel, adjust roll gap distance precisely.
- High quality bearing and bearing house.
- Scientific drive heat elimination system.
- Effective crushing, lower powder.







## 机器结构

### machine construction

齿辊式喂料机构，永久磁选装置，优质合金破碎辊，辊同步调节装置，，辊体弹簧保护装置，优化组合的传动系统及皮带自动涨紧装置，结构紧凑，大大节省场地空间，确保设备稳定、高效的工作。

Feeder, homogenize distributor, permanent magnetic device, high quality chilled alloy rolls, adjustable scraper assemble, with the compact structure to save workshop occupation and ensure stable & efficient operation

齿辊式喂料装置  
Feeder

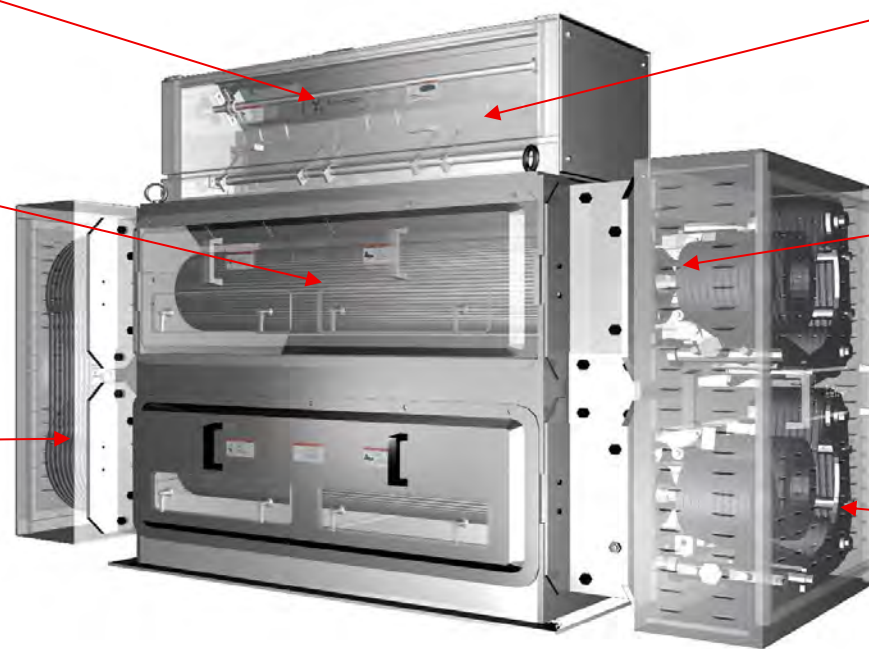
优质合金破碎辊  
Chilled alloy rolls

优化组合  
传动装置  
Optimized  
transmission  
device

永久性磁选装置  
Magnetic device

高品质轴承  
及轴承座  
High quality  
bearings

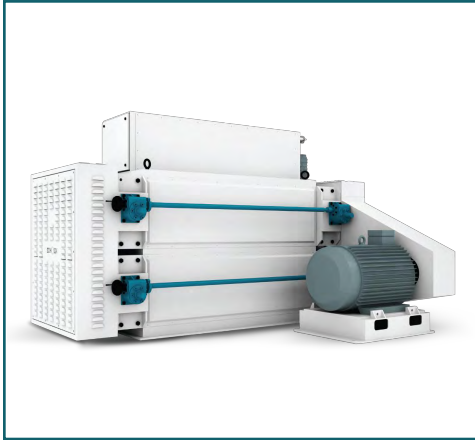
皮带自动涨  
紧机构  
Automatic  
belt tension  
device





## 细节描述

### Detail Description

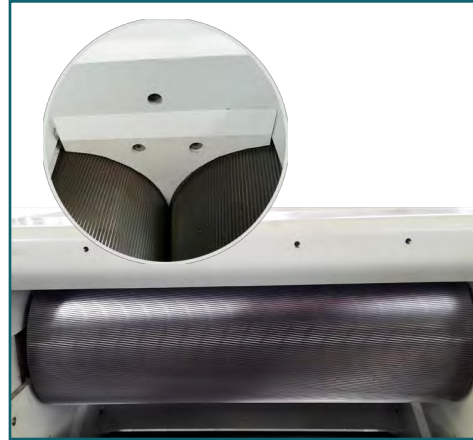


#### 单电机驱动

单一电机驱动，高效节能，布局合理（改良传统2 台电机驱动带来的电能损耗及空间浪费）。

#### Single Motor Drive

Low Power Consumption but achieve high cracking efficiency.

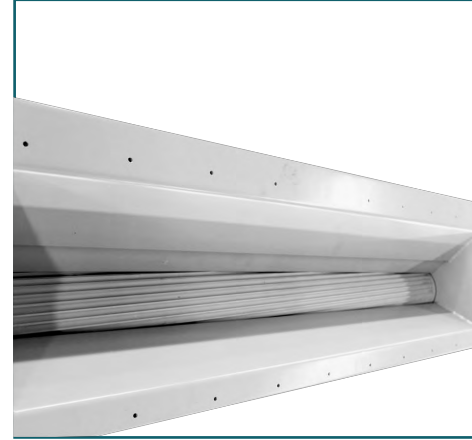


#### 优质冷硬合金破碎辊

辊齿数设计合理，保证破碎粒度均匀，粉末少。通过改变破碎辊表面沟齿特性，调整辊间隙等可获得不同粒度的成品。辊间山间挡板，密封性能好，有效防止漏料。

#### High quality chilled alloy cracking rolls

Rational design of roll teeth ensures even cracking and less powder. Install tricuspid damper at two rolls end, good sealing, prevention of material leakage.



#### 齿辊式喂料装置

自动调节物料流量，使进料更均匀，更流畅。

#### Corrugated-roll-type feeder

Easily adjust feeding rate, feeding uniformly and smoothly.



#### 永久性磁选装置

强力磁选装置，有效去除含铁杂质，可保护轧辊免受不必要的磨损。

#### Permanent Magnetic Device

Strong magnetic device, remove iron impurity effectively. Protect the rolls from the unnecessary wearing.

## 细节描述

### Detail Description



#### 气动料门控制单元

磁选挡料门装置是由电气控制系统的联锁反馈来自动控制，更加有效有节制地控制破碎室的工作流量。

#### Pneumatic Control Unit

Apply Pneumatic Device to control material feeding door, so that easily control material feeding flow .

Normally the distance between feeding door and feeding roll is kept at 45-60 mm to ensure machine processing capacity.



#### 精准辊间距及辊平衡调节装置

手轮涡轮蜗杆同步调节装置，轻松调节辊平行，精确调节辊间距，可从仪表上看到确切的辊间距。

#### Roll space adjusting device

Synchronous roll-space adjusting mechanism to ensure rolls in parallel, combined with analog gauge hand-wheel to adjust roll space precisely.



#### 化组合的传动及皮带涨紧机构

皮带在运转过程中，涨紧力不稳定，易产生震动和噪音，使用这种涨紧机构，有效减小涨紧力波动，保持恒定皮带涨紧力，减少震动和噪音，减少皮带磨损。

#### Optimal transmission & belt tension device

Effectively reduce tension fluctuation, keep the tension force stable, reduce shake, noise and belts' wearing.



#### 科学的传动散热装置

轴承侧的散热风轮，有效散除轴承及皮带温度，不使轴承温度升高，延长轴承寿命，确保设备稳定运行

#### Scientific drive heat elimination system

Heat rejection wind wheel, effectively eliminate bearing & belt temperature, extend use-life of bearings and belts and ensure machine stable running .

## 工程案例

### Project Reference



#### 惠禹饲料蛋白（防城港）有限公司

工程产量：5000T/D

工程项目：大豆预处理

#### **NINE-THREE GROUP (HUIYU)**

Capacity : 5000T/D

Project : Soybean preparation



#### 广州植之元油脂实业有限公司

工程产量：5000T/D

工程项目：大豆预处理

#### **Zhizhiyuan (Guangzhou)**

Capacity : 5000T/D

Project : Soybean preparation



#### 唐山中储粮有限公司

工程产量：4000T/D

工程项目：大豆预处理

#### **Sino Grain Group (Tangshan)**

Capacity : 4000T/D

Project : Soybean preparation



## 工程案例 Project Reference



### 中储粮油脂成都有限公司

工程产量：1500T/D

工程项目：大豆预处理

**SINO GRAIN GROUP**

Capacity : 1500T/D

Project : Soybean preparation



### 南通来宝谷物蛋白有限公司

工程产量：2500T/D

工程项目：大豆预处理

**NOBLE GROUP (NANTONG)**

Capacity : 2500T/D

Project : Soybean preparation



### 泉州福海有限公司

工程产量：240T/D

工程项目：膨化大豆粉

**QUANZHOU FUHAI**

Capacity : 240T/D

Project : Fullfat soybean extrusion project



## 对辊破碎机

### Single Stand Cracker

一次破碎，产量大，能耗低，维护成本低。

Large capacity, energy-saving and low maintenance costs  
for special using in grain & oil industry for 1st cracking







## 性能描述

### Performance Description

- 齿辊式喂料机构,进料流量均匀;
- 气动料门控制单元;
- 永久性磁选装置,有效去除铁屑杂质;
- 优质冷硬合金破碎;
- 辊体弹簧保护装置;
- 轧辊同步调节装置,轻松调节辊平行;
- 旋转仪表手轮精确调节辊间距;
- 优化组合的传动及皮带涨紧机构;
- SKF轴承及轴承座;
- 科学的传动散热系统.
- Performance Description
- Corrugated -roll-type feeder, feeding uniformly and smoothly.
- Pneumatic-controlled strobe controls material flow easily.
- Permanent magnetic device removing iron impurities efficiently.
- High quality chilled alloy roll.
- Spring -loaded rolls protection device.
- Synchronous roll-space adjusting mechanism to ensure roll in parallel.
- Analog gauge hand-wheel, adjust roll gap distance precisely.
- High quality bearing and bearing house.
- Scientific drive heat elimination system.
- Effective crushing, lower powder.





## 豆粕剪切机 Meal Crusher

集齿式破碎机和辊式破碎机为一体，简化豆粕处理工艺流程。  
适用于油脂压榨工厂对块状豆粕进行破碎加工，该产品最大的特点是噪音低、震动小、节约能耗。

Assembly by gear crushing and roll crushing, simplify of the meal processing flow.

XKPS-JQ Series multiple functional cracker (Meal Crusher), is widely used for cracking the big meal agglomerates formed in DT directly into the size the customers want. The most important features are great energy saving, low noise, low vibration, low maintenance fee.



## 性能描述

### Performance Description

- 集齿式破碎和辊式破碎为一体，高效节能；
- 叶轮式喂料机构，进料均匀流畅；
- 气动料门控制单元；
- 永久性磁选装置，有效去除铁屑杂质；
- 优质冷硬合金破碎辊；
- 辊体弹簧保护装置；
- 破碎辊同步调节装置，轻松调节辊平行；
- 旋转仪表手轮精确调节辊间距；
- 优化组合的传动及皮带涨紧机构；
- SKF轴承及轴承座；
- 皮带轮附带式散热装置，散热效果优越。
- Assembly by gear crushing and roll crushing, effective energy saving
- Impeller feeding construction, feeding uniformly and smoothly.
- Pneumatic-controlled stroked stroke controls material flow easily.
- Permanent magnetic device removing iron impurities efficiently.
- Durable and heavy-duty base frame.
- High quality chilled alloy roll.
- Spring-loaded rolls protection device.
- Synchronous roll-space adjusting mechanism ensure roll in parallel.
- Analog gauge hand-wheel, adjust roll gap distance precisely.
- Excellent drive and belt tension device, optimal drive efficiency.
- High quality bearing and bearing house.
- Belt pulley attached heat elimination devices, superior heat elimination.



## 豆粕剪切机工作原理

### Meal Crusher Working Principle

星坤豆粕剪切机系列适用于油脂压榨工厂对块状豆粕进行破碎加工。块状豆粕物料通过旋转喂料系统被均匀的喂入到旋风剪切粗碎系统中，将大块的豆粕处理成8~10mm体积左右的粕料。一次破碎后的物料经过变频调速喂料和磁选装置进入辊式破碎机构，再通过剪切、等复合工艺处理， $\Phi 2\sim\Phi 5\text{mm}$ 的颗粒状豆粕产品，也可以根据市场粕的需求调整颗粒大小。

XKPS-JQ Series multiple functional cracker (Meal Crusher), is widely used for cracking the big meal agglomerates formed in DT directly into the size the customers want. Through rotary feeding system, the big meal agglomerates are evenly fed into the beating system and be beaten into 8-10mm particles. Then those particles enter the rolls crushing system, with two rolls running in opposite direction, the teeth on the rolls cut the meal particles into the size that customers want. (The output meal particles size could be achieved from 2mm to 5mm according different customers' request as per market's need).





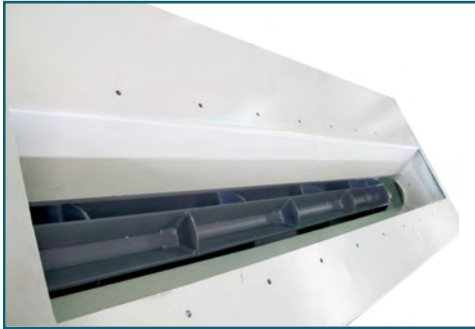
## 豆粕剪切机与粉碎机对比

### Meal Crusher-Comparison to Hammer mill

名称 Name	豆粕剪切机 Meal Crusher	锤片粉碎机 Hammer Mill
日常维护 Maintenance cost(year)	≈1万元 ( 破碎辊拉丝、锤片 ) ≈ 10000 RMB ( Roll fluting, beaters)	≈2万元 ( 锤片、筛网 ) ≈ 20000 RMB (Screens, beaters)
处理量(T/D) Capacity	1000	1000
功率 (KW) Power	62.2	161.5
年耗电量(KWH) Power Consumption per Year	年运行按照300天，实际用电按照0.8系数核算 the real power consumption calculate with ratio 0.8 $62.2 \times 0.8 \times 24 \times 300 = 358272$	年运行按照300天，实际用电按照0.5系数核算 the real power consumption calculate with ratio 0.5 (end-user supply) $161.5 \times 0.5 (\text{客户提供依据}) \times 24 \times 300 = 581400$
年节省费用(RMB) Annual cost saving(RMB)	( 581400-358272 ) * 0.8 ( 电费按照0.8元/KWH ) = 178502.4 ( 581400-358272 ) * 0.8 ( energy price 0.8 RMB/KWH ) = 178502.4	
破碎效果 Crushing performance	Φ2-5mm,颗粒度均匀、可调，粉末少 Φ2-5mm, even particles, adjustable, less powder	颗粒大小不均匀，粉末多 uneven particles, more powder
辅助设备(mm) Auxiliary equipment	微负压 Slight negative pressure	大型风机 Large model fan
震动 Vibration	差速剪切，震动噪音小 Differential crushing, small vibration & noise	高速捶打、震动噪音大 High speed beating, large vibration & noise

## 细节描述

### Detail Description



#### 叶轮式喂料机构

进料均匀流畅；

#### **Impeller feeding structure**

feeding uniformly and smoothly;



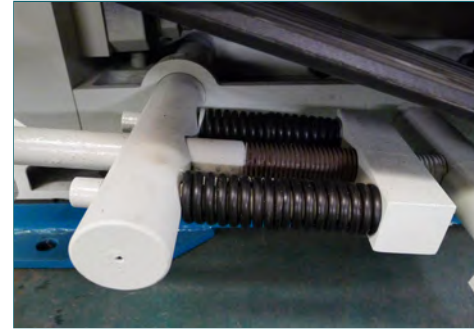
#### 经碳化后高强度粗破碎锤片

转子轴为六边形，呈360度均布，可正反转，使用寿命长；

#### **Beaters are carbonized,**

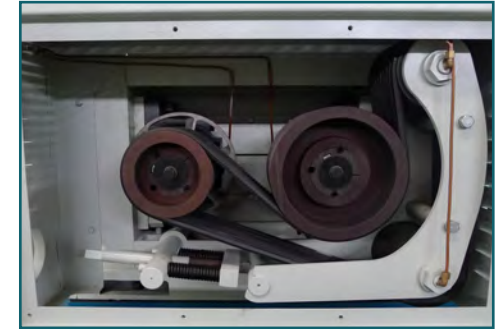
ensure high strength and longevity.

The hexagon rotor shaft could rotate in negative and positive directions;



#### 辊体簧碟保护装置；

#### **Spring-loaded rolls protection device;**



#### 化组合的传动及皮带涨紧机构

皮带在运转过程中，涨紧力不稳定，易产生震动和噪音，使用这种涨紧机构，有效减小涨紧力波动，保持恒定皮带涨紧力，减少震动和噪音，减少皮带磨损。

#### **Optimal transmission & belt tension device**

Effectively reduce tension fluctuation, keep the tension force stable, reduce shake, noise and belts' wearing.

## 工程案例 Project Reference







## 筛选系列 Screening Series

应用于粮食储备、粮油加工、化工、  
化肥、矿产品、塑料等行业的筛选  
需求。

Widely used in the grain & seed  
stock, seed processing, chemical,  
fertilizer and plastic industries, etc.



粮油加工



粮食储备



饲料加工



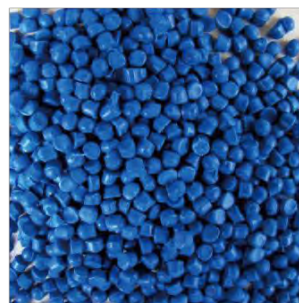
麦片加工



化工



化肥



塑料



矿产品



## 多层宽幅分级筛MU系列 Multi Rotary Screener MU Series

产量大，最大可达12000吨/天，结构紧凑，能耗低，使用稳定性高，广泛适用于大型散装粮油码头，国家储备粮库，大型粮油加工企业，大型饲料企业等。

Super high capacity, maximum reach 12000 T/D. Compact structure, low consumption and stable performance for widely used in wharf handling bulk seed, state grain reserves, big yield of grain & oil plant and big feed mills, etc.





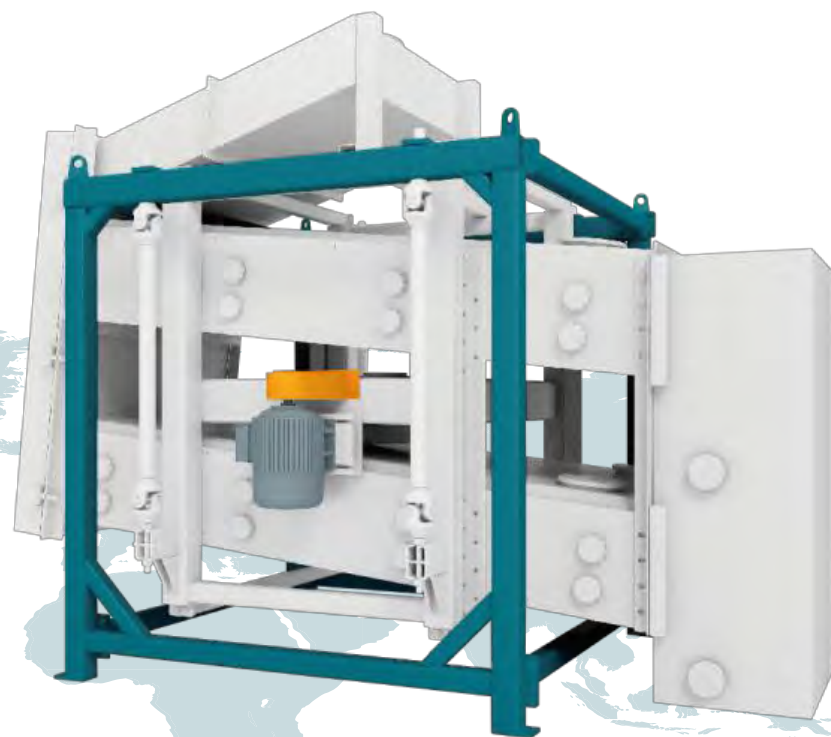


## 新型平面回转分级筛DN系列

### New Rotary Screener DN Series

结构紧凑，筛分效果好，高精度传动系统，高效节能，满足空间不足项目。

Compact structure, good separating efficiency, precise driving system, low power consumption, meet demands for space limit applications.etc.







## 新型平面回转分级筛 SN系列 New Rotary Screener SN Series

结构紧凑，筛分效果好，高精度传动系统，高效节能，满足空间不足项目。

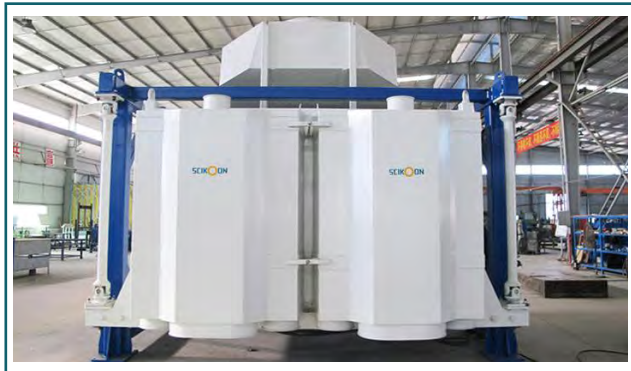
Compact structure, good separating efficiency, precise driving system, low power consumption, meet demands for space limit applications.



## 性能描述

### Performance Description

- 高精度传动系统，更高效，更节能；
  - 占地面积小，筛分效率高，大幅节约厂房空间；
  - 万向轴承悬挂结构，承受力更强，运行更平稳；
  - 高强度机架，机体，坚固耐用；
  - 先进注油系统；
  - 优质木质筛框，更换方便、快捷；
  - 高弹力小球，有效防止筛孔堵塞；
  - 运行稳定性好。
- Excellent drive system, more efficient, less energy consumption.
  - Smaller floor areas occupy, high screening efficiency. Greatly save workshop space.
  - Universal joint suspension structure, stronger endurance ,moves more stably and reliably.
  - Heavy -duty machine frame, strong and durable.
  - Advanced oil lubricating system.
  - High quality wood screen frame, lightweight for replacing easily.
  - High bouncing balls prevent screen from block effectively.
  - Great stability under operation.



## 细节描述

### Detail Description



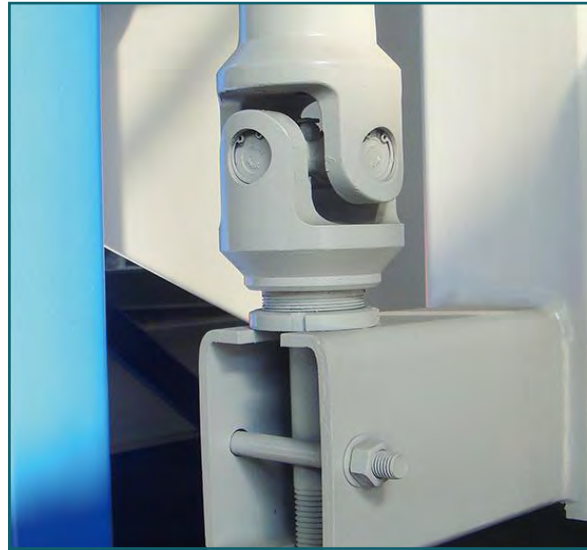
#### 稳固机架及悬挂机构

专利设计的悬挂机构，共设4组，每组由两对万向轴承和一根立杆组成。具有缓冲和降低运行力量，使筛体在运动中更轻盈和平稳。

#### Stable Support Frame

#### Superior Quality Screen Frame

Scikoon designs total 4 sets of suspension structure, each set includes 2 universal joint bearings and 1 column. The suspension structure will buffer & reduce the strength of the screener running, ensure the screen body be stable and light-weighted

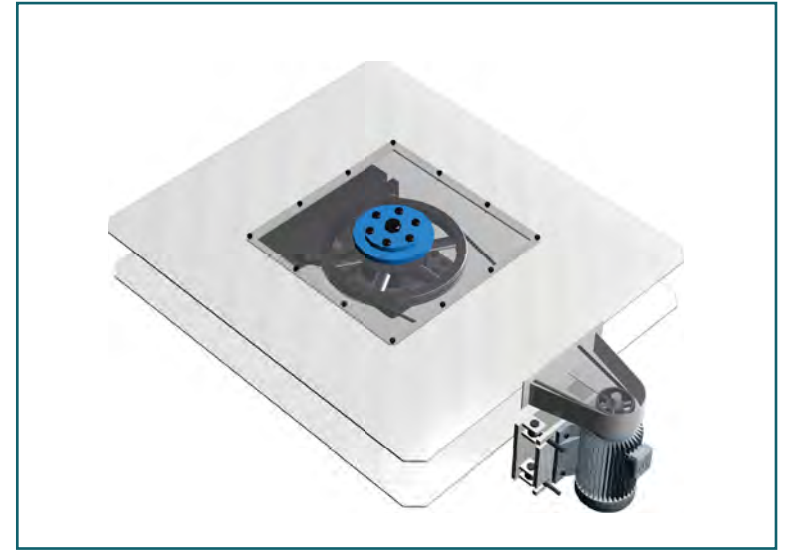


#### 先进的注油系统

滑油注入口设置在设备外部，方便注油。

#### Advanced Lubrication system,

Lubrication system is designed at machine outside, lubricating conveniently.



#### 高精度传动系统

传动系统设在筛箱中部，通过离心力带动设备运转。筛体重心平稳，物料筛选更加均匀，不仅保证了设备的单机产量，而且延长了设备的使用寿命。传动箱的平衡摆块使筛箱运动过程中前后方向上的惯性力得到平衡，从而保证了筛子运动的平稳性。

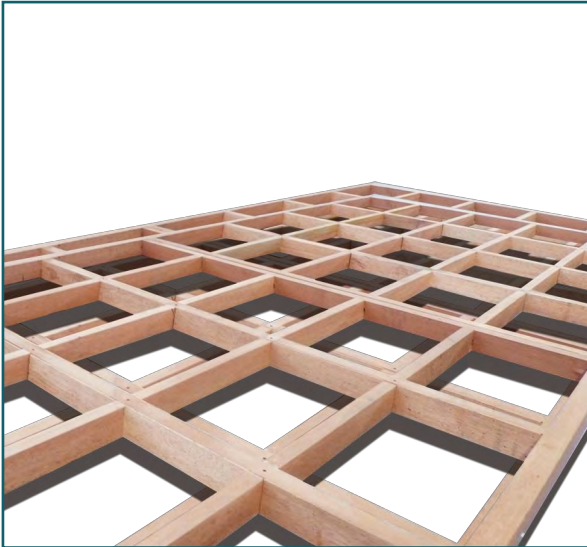
#### High - precision drive system

Drive system includes the motor, transmission belt wheel and centrifugal transmission device. The system is located on the middle of the screener, driving the equipment by centrifugal force. Stable gravity center & uniform sifting efficiency not only guarantee capacity but also prolong equipment use life. The balanced clamp keeps the screener balanced and stable when running under the inertia strength of the front and back side.



## 细节描述

### Detail Description



#### 优质筛框

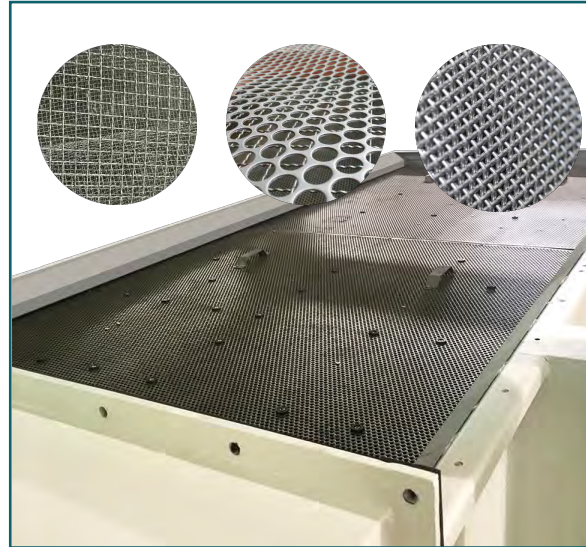
更换方便，快捷。

材质为柳按木，四角还设有加强角钢对其进一步加固防止其变形。

#### Superior Quality Screen Frame

Easy and fast of screen change;

The frame is made of Lau-an wood, with 4 angle steels to reinforce and to avoid the distortion;



#### 高品质筛网

固定在木质筛框上，可根据所处理的物料选择不锈钢编织网或冲孔网，规格根据物料性质和用户要求确定，筛网可根据所需处理的物料的粒径进行选择。

#### Superior quality Screen mesh

Fixed at the wooden frame; Stainless steel wire mesh and perforated mesh are offered for different screening materials. The mesh quantity and dimension will be specified according to material characters and the clients' requests. And the mesh size is determined by the particle size of material.



#### 高弹力橡胶球

为防止物料对筛网的堵塞，保证筛的高效率，上、下相邻两层筛网间还设置有高品质弹性清理球。

#### High bouncing balls

To prevent the block, and ensure the high screening efficiency, the superior bouncing balls are inserted between the upper and lower screen mesh.

## 工程案例

### Project Reference



**九三集团大连大豆科技有限公司**

工程项目：豆粕筛选

**NINE THREE GROUP ( DALIAN)**

Project: Soybean meal separation



**九三惠禹**

工程项目：豆粕清理

**NINE THREE GROUP (HUIYU)**

Project: Soybean meal separation



**九三集团北安大豆制品有限公司**

工程项目：豆粕清理

**NINE THREE GROUP (BEI'AN)**

Project: Soybean meal separation

## 工程案例 Project Reference



**中储粮油脂（唐山）有限公司**

工程项目：大豆、豆粕、豆皮清理

**SINO GRAIN (TANGSHAN)**

Project: Soybean, Soy meal and Soy hull screening



成功案例：  
新型平面回转分选器SN于中泰兴振华投入使用

**泰兴振华油脂有限公司**

工程项目：大豆清理

**TAIXING ZHENHUA**

Project: Soybean screening



**中储粮成都粮油有限公司**

工程项目：大豆、豆粕、豆皮清理

**SINO GRAIN (CHENGDU)**

Project: Soybean, Soy meal, Soy hull screening





## 平面回转分级筛PS系列 Rotary Screener PS Series

安装方式多样化，操作维护简便。

Diversification of installation way, easy operation and maintenance.



## 性能描述

### Performance Description

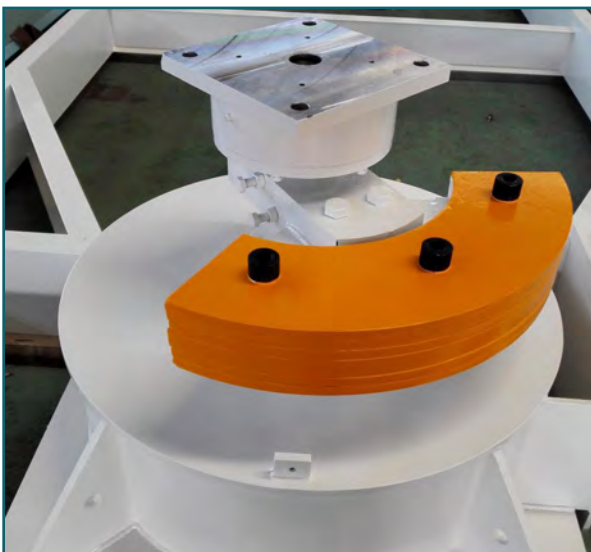
- 高精度传动系统，更高效，更节能；
- 灵活的悬挂结构，吊架、房梁均可；
- 稳重的机架结构，坚固耐用；
- 先进注油系统，可不停机注油；
- 优质木质筛框，更换方便、快捷；
- 高弹力小球，有效防止筛孔堵塞；
- 运行稳定性好。
- Excellent drive system, more efficient, less energy consumption.
- Flexible hanging structure, suspension bracket or house beam can be both hung.
- Sturdy frame structure, strong and durable.
- Advanced oil lubricating system, can lubricate without machine-stop.
- High quality wood screen frame, lightweight for replacing easily.
- High bouncing balls prevent screen from block effectively.
- Great stability under operation.





## 细节描述

### Detail Description



#### 高精度传动系统

电机通过三角皮带轮带动主轴转动，进而带动偏心轴转动，使筛体前部作水平圆周运动。摆块装在偏心轴上，用来平衡筛体偏心而产生的惯性矩。

#### High-precision Drive system

The system is located on the head end of the screener, the motor rotation leads to the rotation of main shaft via V-belt pulley, forming circular motion at the head part of the screener. The balanced clamp keeps the screener balanced and stable when running under the inertia strength of the front and back side.

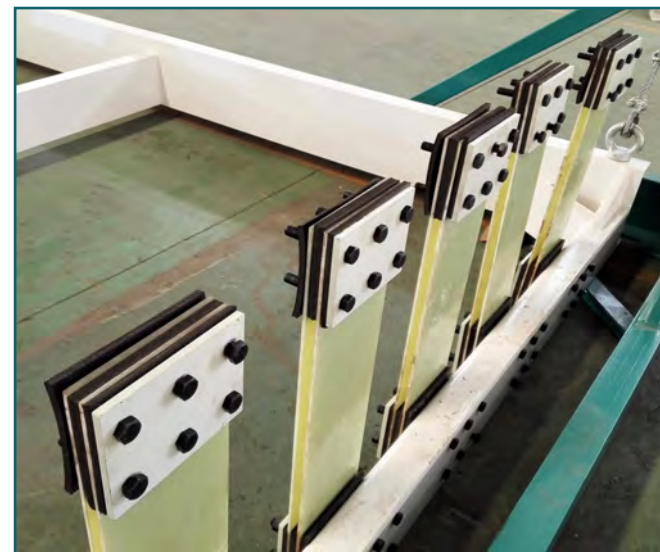


#### 悬挂机构

由吊架、机座、钢丝绳与花兰螺栓等组成。吊架采用重型槽钢和方管制作，强度及刚性良好，保证整个筛体的重心降低，具有稳定性。

#### Hanging structure

Assembled by suspension bracket, machine base, wire rope, bolts, etc. Suspension bracket is made of heavy U steel and square steel, high strength and good steel characteristic, ensure the whole machine center lowered and stable.



#### 弹性支撑板

安装在整个筛体的尾部，下端与机架固定，上端通过一弯板与筛箱相连，用来支撑筛箱和限位作用，工作时作直线往复运动。应经常检查弹性板无裂纹和破损，一旦发现异常，应及时更换。

#### Elastical support plate

Installed at screener tail, the lower end fixed with machine base, the upper end connected with screening box through bending plate, used for supporting screening box and limiting position. Under operation, elastical support plates will undergo straight reciprocating motion. Please check the plates timely and replace them if damaged.



## 工程案例

### Project Reference



**九三集团大连大豆科技有限公司**

工程项目：大豆清理

**NINE THREE GROUP**

Project: Soybean screening



**中储粮油脂（钦州）有限公司**

工程项目：大豆清理、豆粕、豆皮分级

**SINOGRAIN GROUP**

Project: Soybean, soy meal and soy hull screening



**九三集团北安大豆制品有限公司**

工程项目：大豆清理

**NINE THREE GROUP (BEI'AN)**

Project: Soybean screening



## 调质塔 Conditioner

有效提高大豆脱皮效率，高校能连续加工，充分满足对物料温度、水分的调节要求。

Specially used in warm and hot de-hulling plant to process continuously. Meet the requirements of temperature and moisture in grain & oil plants.



## 性能描述

### Performance Description

- 部件设计人性化，模块化，拆卸，维护简单易行；
  - 多重蒸汽、热风加热层交替排布，加热效率高；
  - 蒸汽加热与热风相结合，加热效果好，去水能力强；
  - 椭圆形不锈钢加热管，使用寿命更长；
  - 加热管错位排列，加热均匀；
  - 链状式波动出料，流速变频调节；
  - 自动温控系统；
  - 料位控制系统。
- Humanization and modularization of components design ,take apart easily and conveniently.
  - Multiply steam and hot air heating zone alter arrangement, high heating efficiency.
  - Combined steam heating and hot air heating effect, good heating effect, strong water-removal ability.
  - Oval stainless steel heating pipes, provide longer use life.
  - Transplacement array of the heating pipes, heating uniformly.
  - Chain type wave motion of discharging. Variable frequency adjusts flow velocity.
  - Automatic temperature control system.
  - Material level control system.



进料层  
Feed stage



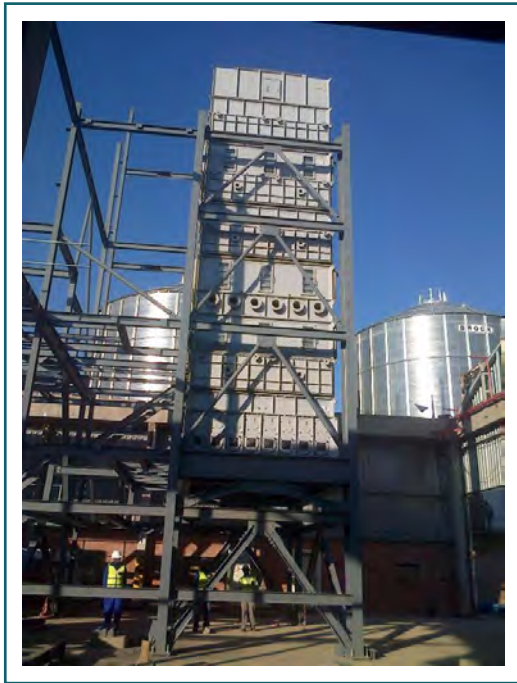
加热层  
Heating layer



卸料层  
Unloading layer



## 工程案例 Project Reference



### 南非来宝

工程项目：大豆预处理

**NOBLE (SOUTH AFRICA)**

Project: Soybean preparation



### 中储粮（唐山）扩产

工程项目：大豆预处理

**SINO GRAIN (TANGSHAN)**

Project: Soybean preparation



## 风选机 Aspiratorr

用于大豆的仁皮分离，去除豆皮、粉尘、精度较小的杂质、在分离的过程中调节豆仁的温度和湿度。

Mainly used in seed de-hulling system to remove hulls and fines. Purify and adjust seed temperature and moisture as well.



## 性能描述

### Performance Description

- 封闭喂料，配重落料；
- 内置钢管错位排列，脱皮效果好；
- 循环气流有效去除物料杂质；
- 品牌轴承和减速机，保障机器无故障运行。
- Good air-tightness for feed inlet and feed outlet.
- Transplacement array of the steel pipes inside, good de-hulling efficiency .
- Cycle air flow removes impurity efficiently.
- High quality bearing and deceleration motor ensure trouble-free running.

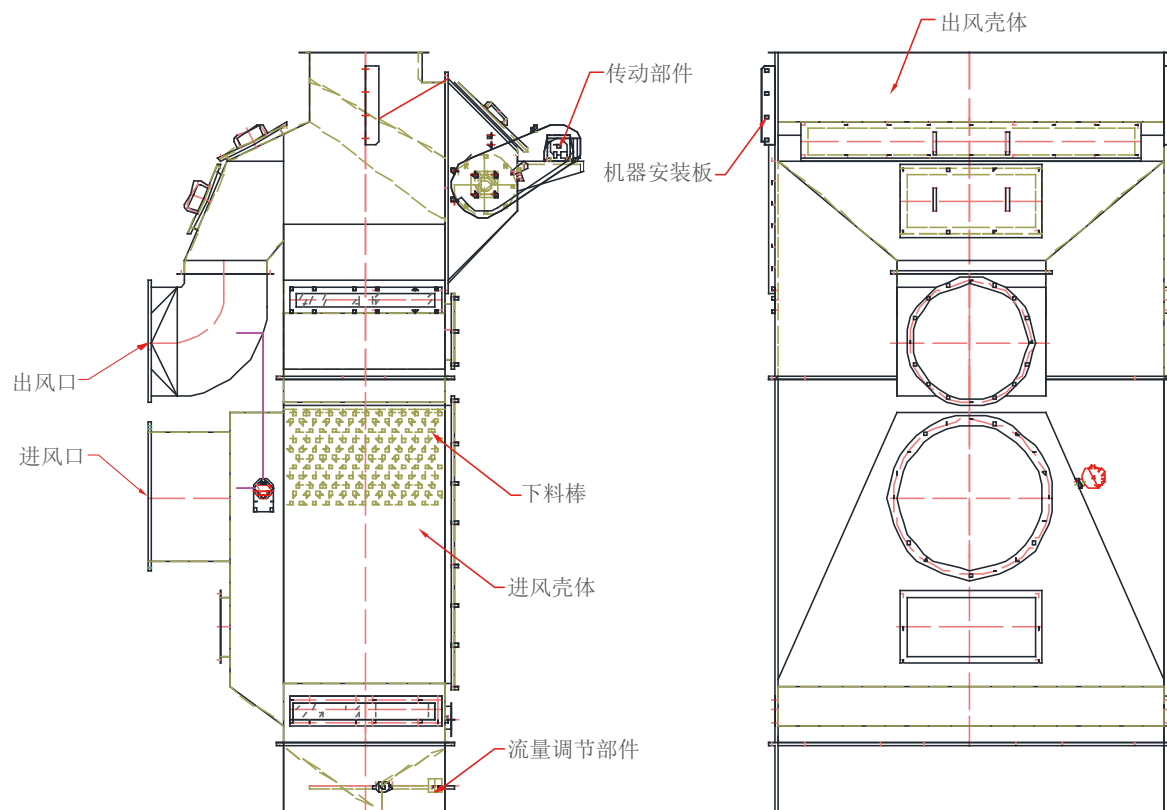




## 工作原理 Operating Principle

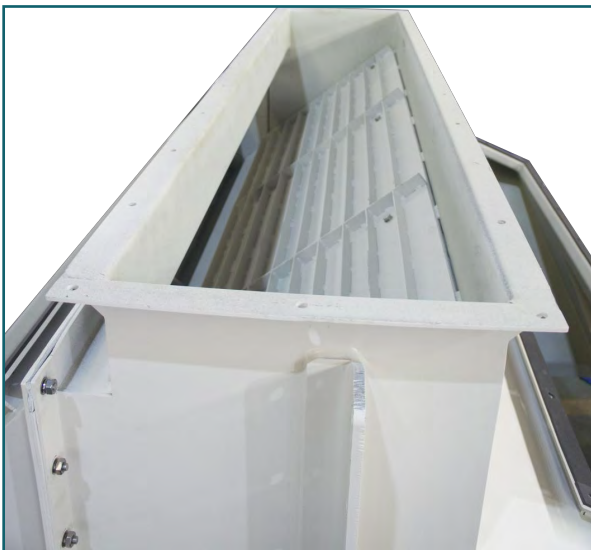
大豆或其他物料通过旋转阀进入风选机中，在冲击管（下料棒）的作用下，分出主流产品。气流经过大豆等含油种子和其松散的外皮，通过沙克龙和风机的循环气流将外皮和灰尘从空气中分离出来。风选循环线中环境空气(很可能已加热)增加的数量决定了整个生产过程的效率，并且能对大豆进行调质。

Through rotary valve, the soybeans or other materials enter the Aspirator and the mainstream products are separated out due to the effect of impact rods. Circulating air from the cyclone and fan takes away the hull and the dusts. The uplifted quantity of ambient air can heat the soybean which is the key of the production efficiency.



## 细节描述

### Detail Description



#### 淌料板

栅格(MN 360)结构淌料板更耐磨

#### Stripper plate

Use abrasion resistant steel (NM450)



#### 下料棒、观察口

选用无缝钢管制作，错位排列置钢管（下料棒），打散大豆与豆皮的粘连，分选出主流产品，增强脱皮效果。底部设有观察口，可随时抽检物料的风选效果。

#### Feeding rods, View window

Feeding rods use seamless steel tubes, transplacement array to scatter the adhesion of soy meat and soy hull, sorting out main streams, enhance dehulling efficiency. Machine side is equipped with view window, can observe the dehulling efficiency.



#### 品牌轴承及减速机

SKF轴承及SEW减速机,保障机器无故障运行。

#### Famous brands of bearings and gearmotor.

SKF bearings and SEW reducer

## 工程案例

### Project Reference



#### 迪斯美

工程项目：大豆预处理

**Desmet Ballestra**

Project: Soybean preparation



#### 中储粮

工程项目：大豆预处理

**SINO GRAIN**

Project: Soybean preparation



#### 泰兴振华

工程项目：大豆预处理

**TAIXING ZHENHUA**

Project: Soybean preparation



## 工程案例

### Project Reference



#### 植之元

工程项目：大豆预处理

**ZHIZHIYUAN**

Project: Soybean preparation



#### 山东嘉冠

工程项目：大豆膨化粉

**JIAGUAN (SHANDONG)**

Project: Soybean extrusion plant

## 冷却器 Cooler

使用于各种颗粒物料、膨化物料的干燥和冷却。

Widely used for cooling and drying pelletized materials and expanded materials.



## 性能描述

### Performance Description

- 封闭式旋转叶轮喂料器;
- 独特的旋转分料、均料装置，物料覆盖面积大，冷却效果最佳；
- 高性能液压系统，满足自动控制要求；
- 柔性液压单元控制翻板卸料机构，卸料更均匀，更流畅；
- 翻板角度控制仪，翻板角度可调；
- 精准料位控制器，料层厚度控制简单易行。
- Closed -type rotary value feeder.
- Unique rotary distributor and homogenizer, maximum material covering area, cooling effects optimal.
- High performance hydraulic system, automatic control.
- Flexible hydraulic unit control swivel discharging assembly, discharge more homogeneously and smoothly.
- Flap turning angle controller, angle - turning adjustable.
- Precision level indicator, easy to control material layer thickness.





## 细节描述

### Detail Description



#### 独特的旋转分料、均料装置

物料覆盖面积大，冷却效果更佳；

#### Unique rotary distributing device

Large material covering area, optimal cool effect.



#### 液压单元控制翻板卸料机构

翻板散热性能好，柔性卸料均匀，流畅，物料流量控制准确，翻板卸料角度可调。

#### Hydraulic unit control swivel plate discharging of material

Good heat dissipation of swivel plate, materials are discharged evenly, smoothly, discharging flow is correctly controlled, swivel plate corner can be adjustable.



#### 传动装置

传动装置由液压系统、液压缸以及连杆组成，精准控制翻板卸料。

#### Transmission device

Assembled by hydraulic system, hydraulic cylinder and connecting rod, precisely control swivel plate material discharging



#### 精准料位控制器

料层厚度控制简单易行。

#### Precise level indicator

Easy to control material layer thickness.

## 工程案例

### Project Reference



日本KS  
KYOSHIN (JAPAN)



山东嘉冠大豆膨化粉项目  
JIAGUAN GROUP: SOYBEAN EXTRUSION



九三惠禹膨化粉大豆膨化粉项目  
NINE THREE GROUP: SOYBEAN EXTRUSION

工程案例  
Project Reference



Japan



United Engineering Corporation ( 印度 )





# THANKS FOR WATCHING

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GUANGZHOU SCIKOON INDUSTRY CO.,LTD