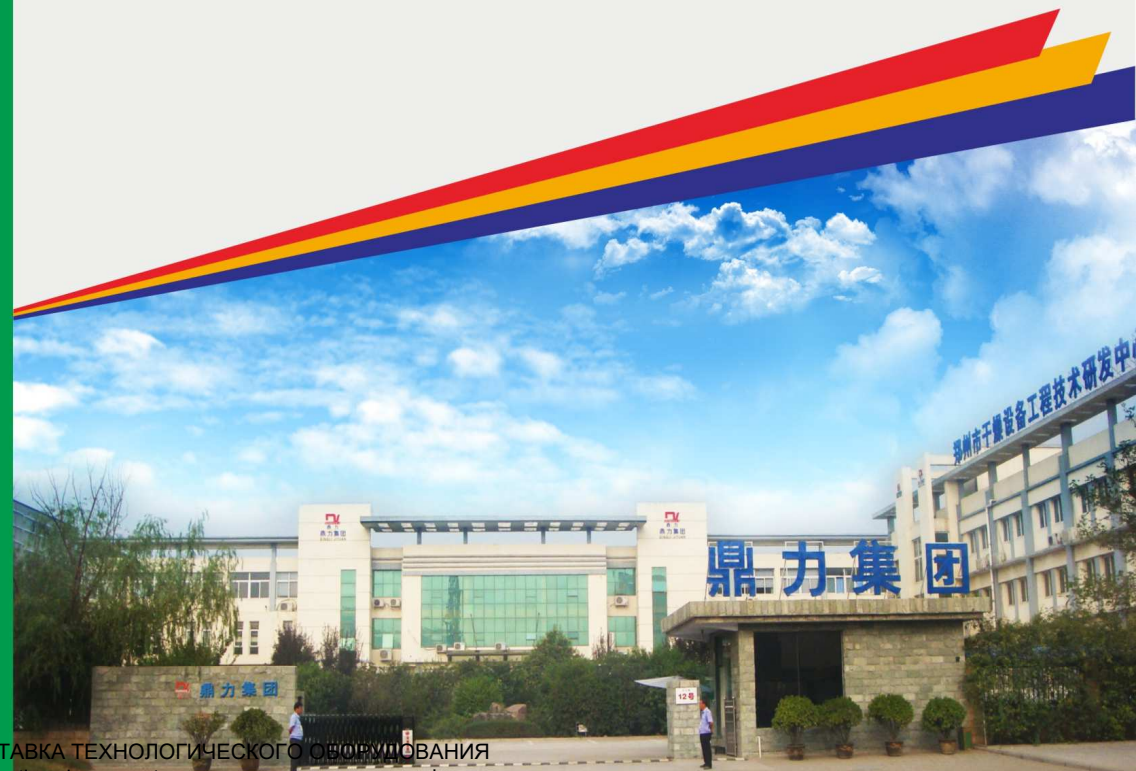
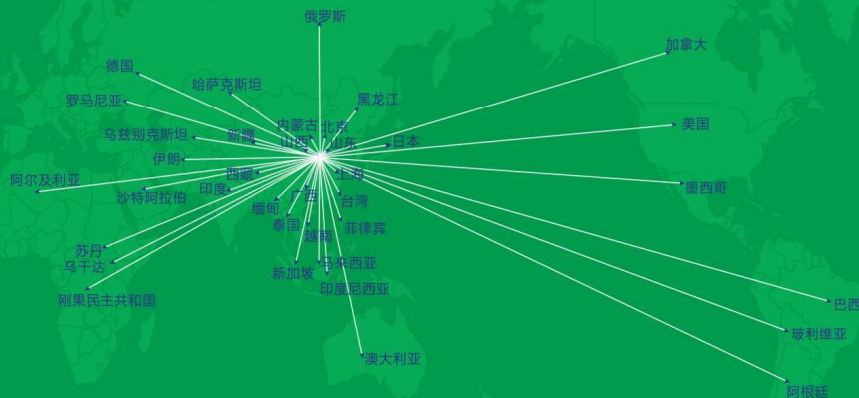




# 鼎力（国际）集团

DINGLI (International) GROUP

食品渣类饲料化综合利用专家  
Expert on food residue and feed utilization



ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ  
Интернет: [www.tisys.ru](http://www.tisys.ru) [www.tisys.kz](http://www.tisys.kz) [www.tisys.by](http://www.tisys.by) [www.tesec.ru](http://www.tesec.ru) [www.ti-sistemc.pf](http://www.ti-sistemc.pf)  
Телефоны: +7 (495) 7774788, 7489626, (925) 5007155, 54, 65  
Эл. почта: [info@tisys.ru](mailto:info@tisys.ru) [info@tisys.kz](mailto:info@tisys.kz) [info@tisys.by](mailto:info@tisys.by)

## 鼎力精神：

*The spirit of Dingli Group:*

培养无与伦比的专业素养，发掘无法复制的创新力  
Cultivating the unparalleled professionalism and explore the innovation ability that cannot be reproduced



## 董事长寄语

### » The chairman address

衷心感谢新老客户、社会各界朋友对鼎力集团一如既往的关心和支持！  
在过去的岁月中，郑州鼎力集团始终秉承“质量第一，诚信为本，不求最大，只做更优”的鼎力宗旨，大力弘扬“培养无与伦比的专业素养，发掘无法复制的创新力”的鼎力精神，全面诠释“让客户利益最大化，让员工过上好日子”的鼎力理念，致力追求“永做行业领航者，永做行业第一品牌”的鼎力目标，把专业做成经典，创造了和创造着我国干燥行业的一个个神话：

鼎力集团，我国干燥行业的领航者。  
鼎力品牌，我国干燥行业第一品牌。  
鼎力技术，与世界尖端技术摩肩接踵。  
辉煌的过去只能表明我们的拥有，美好的未来仍需我们鼎力人不懈的追求。在今后的事业中，鼎力人将与广大客户携手并肩，风雨同舟，为实现共同的梦想而努力奋斗。  
鼎力集团，不满足让客户满意，唯追求让客户感动。我们将张开热情的臂膀，欢迎世界客商、八方宾朋前来考察、交流和合作，鼎力集团期待您的加盟！

郑州鼎力集团董事长兼总经理：

My Heartfelt thanks to new and old customers and friends from all walks of life for your consistent care and support to Dingli Group as always.

In the past few years, Zhengzhou Dingli Group has always been adhering to the purpose of quality first, integrity-based, not for the best, but for better, vigorously carry forward the spirit of cultivating the unparalleled professionalism, exploring the innovation ability that cannot be reproduced, comprehensively interpret the philosophy of making better life for employees and maximizing customers' benefits. We are committed to the pursuit of goals of making the industry leader and making the industry's first brand. By turning professionalism into a classic, we Zhengzhou Dingli Group has created more and more wondrous achievements in the drying industry of our country.

Zhengzhou Dingli Group is the leader of China's drying industry.  
The brand of Zhengzhou Dingli Group is the NO.1 brand in China's drying industry.  
The technology of Zhengzhou Dingli Group can be matched with the cutting-edge technology in the world.  
Glorious past only shows what we were, the bright future still needs our unremitting pursuit.  
In the future endeavors, we Dingliers are willing to work with our customers to stand together through storm and stress and strive to achieve our shared dream.

Zhengzhou Dingli Group will not be satisfied with our customer satisfaction until we finally make efforts to ensure that our customers are touched.  
We Dingliers will extend our warm arms to welcome customers, sincere friends and business partners home and abroad to join us!

Zhengzhou Dingli group chairman and general manager

## 集团简介

### Company introduction

# 目录

董事长寄语 Chairman's message	P <sub>2</sub>
画册目录 Album directory	P <sub>3</sub>
集团简介 Company introduction	P <sub>4</sub>
产品介绍 Enterprise culture	P <sub>6</sub>
成功案例 Successful case	P <sub>19</sub>
研发中心 R&D center	P <sub>23</sub>
加工中心 Advanced equipment	P <sub>24</sub>
国际交流 International Exchange	P <sub>25</sub>
集团资质 Group quality	P <sub>29</sub>

郑州鼎力集团，创建于2005年7月，重组于2013年8月。位于河南省郑州市高新区红叶路12号。集团拥有郑州鼎力新能源技术有限公司、郑州市鼎力干燥设备有限公司、郑州九天机械设备有限公司等三家子公司和郑州市干燥设备工程技术研发中心一个专业科研机构。是以新能源设备、煤泥煤炭干燥提质设备、高湿物料干燥设备、环保除尘设备开发与研制为主的专业性企业集团，是干燥设备国内行业中唯一集研发、设计、制作、销售于一体的科技创新型的企业集团，并率先通过ISO质量管理体系认证。集团是清华大学干燥设备项目合作单位，河南工业大学产学研基地，中国石油和化学工业联合会干燥技术专业组成员单位，河南省十佳科技型最具成长力企业和知识产权优势企业。

集团拥有干燥系列、脱水系列、粉碎系列、热工装备系列、电控系列、环保除尘系列等六大系列130多种具有较高科技含量的系列产品。产品走俏国内，远销世界各地。

集团致力追求高科技研发和高质量产业：采用CAD、CAM技术，专业从事各种干燥系统的研发，并与国内多所科研院所合作，搞技术研发，先后发表学术论文30多篇；集团拥有国家专利160余项，发明专利5项，科研成果4项，科技进步奖1项。现有各类技术人员200余人，其中中级职称40人，高级职称30人，享受国务院特殊津贴专家2人。集团凭借领先的技术、精良的加工及检验设备、完善的质量管理体系，先进的计算机管理系统和高素质的职工队伍，监控着产品研制的全进程，并帮助用户对于干燥设备进行选型，以便选用低投入、低能耗、高效率的干燥设备；自2005年以来，集团先后与河南中瑞集团合作，研制成功国内最大日处理2000吨煤泥烘干设备；与清华大学合作研制城市污泥烘干实验设备；与安琪酵母股份有限公司合作研制成功细胞壁干燥设备；与海螺集团合作研制酵母液干燥设备；与蒙牛集团合作研制成功牛粪烘干设备。平煤集团、海螺集团、蒙牛集团、青啤集团、燕京集团、华润集团等近20家上市公司，以及德国、英国、美国、朝鲜、泰国、韩国、瑞士、俄罗斯、越南等近三十个国家的知名企业，都在使用我集团生产的系列产品。集团拥有合作伙伴近300家。

长期以来，鼎力集团董事长兼总经理、河南省十佳科技创新企业家，河南工业大学客座教授、集团创始人李留纪，率领集团高效的管理和研发的精英团队，以“培养无与伦比的专业素养，发掘无法复制的创新能力”的鼎力精神，以“质量第一，诚信为本，不求最大，只做最优”的鼎力宗旨，以“永做行业领航者，永做行业第一品牌”的鼎力目标，以“让客户利益最大化，让员工过上好日子”的鼎力理念，着力打造先进的企业文化，不断促进企业快速稳步的发展。

鼎力形象日新月异，鼎力事业蒸蒸日上。

**鼎力精神**  
The spirit of Dingli Group:  
Cultivating the unparalleled professionalism and explore the innovation ability that cannot be reproduced

STEP BY STEP TO WIN  
步步为赢

## Group Introduction

» Zhengzhou Dingli group co., Ltd.

Zhengzhou Dingli Group, founded in July 2005 and restructured in August 2013, is located on No. 12 Hongye Road in the city of Zhengzhou of Henan Province. Our Group has all together four subsidiaries, including Zhengzhou Dingli New Energy Technology Co., Ltd., Zhengzhou Dingli Drying Technology Co., Ltd., Zhengzhou Jiutian Environmental Protection Machinery Co., Ltd. and Zhengzhou Engineering Technology Research and Development Center. We are professional enterprise group that aims at the development of the new energy equipment, high wet material drying equipment and environmental protection dust removing equipment; we are also the only technology innovative enterprise group that makes research and development, design, production, sales integrate into one group. And we are among the first place to pass through the ISO quality management system certification. Our Group is the cooperating partner of drying equipment project of Tsinghua University, the industry-university-research bases of Henan university of Technology, professional members of Drying Technology of China petroleum and chemical industry federation. We are the top ten of the most growing enterprises of science and technology in Henan Province.

Our Group has more than 130 kinds products of high-tech that are divided into six big series, such as drying series, dehydrating series, crushing series, series of thermal equipment, electric control series and the series of environmental protection. Our products sell well at domestic markets but also exported to all over the world.

Our Group is committed to the pursuit of high-tech research and development and the high quality industry by using CAD, CAM technology to specialize and engage in the research and development of various drying systems; we have joined hands with many domestic scientific research institutes and published more than 30 academic theses. Our Group owns 160 items of national patents, 5 invention patents, 4 items of scientific research, and 1 item of science and technology progress prize. Our research and development center has more than 120 technical personnels of all kinds, among which there are of 40 people of intermediate title, 30 of senior titles, and one expert who can enjoy the state council special allowances. With advanced technology, sophisticated processing and testing equipment, perfect quality management system, advanced computer management system and high-quality staff team, Our Group manages to monitor the product development and the whole process of experiment. In addition, in order to choose a drying equipment of low investment, low energy consumption but high efficiency, we also assist our customers to make the satisfied choice.

Our Group has successfully developed the super drying equipment which can process 2000 tons of coal slime daily with Henan Zhongrui Group since 2005; We have cooperated with Tsinghua University to develop the drying experiment equipment for the urban sludge; We have worked jointly with the Angel Yeast Co., Ltd. and developed the drying equipment for the cell wall successful; We have cooperated with Conch Group (Wenzhou Conch Challenge Biology Co., Ltd.) to develop the drying equipment for the yeast mixture; We have collaborated with Mengniu Dairy to develop the drying equipment for the cow dung. We have successively established a network of strategic cooperative partnerships with more than 20 public companies in China, such as Pingdingshan Coal Group Co. Ltd, Conch Group, Mengniu Dairy, Tsingtao Brewery Group, Yanjing Beer Group, China Resources Group, as well as other well-known enterprises in over 10 countries, namely, North Korea, Thailand, South Korea, Switzerland, Russia, Vietnam and so other countries. All of those countries have used our products. Therefore we have reached to as many as 300 business partners.

The founder of our Dingli Group, Mr Li Liuji, chief executive and general manager, one of the Top Ten entrepreneurs of science and technology innovation in Henan Province, adjunct professor of Henan University of Technology and senior engineer, has led efficient elite team of the group management and research and development for a long time. The spirit of our Dingli Group is to cultivate the unparalleled professionalism and explore the innovation ability that cannot be reproduced; the purposes of our Dingli Group are "quality first, integrity-based, better first, biggest second"; the objectives of our Dingli Group are always to be the pilot of this industry and make the first brand of this industry; and our Dingli Group philosophy is to let the customers get the benefit maximization and let our employees live better lives. Therefore, we strive to build advanced enterprise culture and promote steady and rapid development of enterprises.

In a word, our image changes for the better day by day, and our business is flourishing and prosperous with each passing hour.

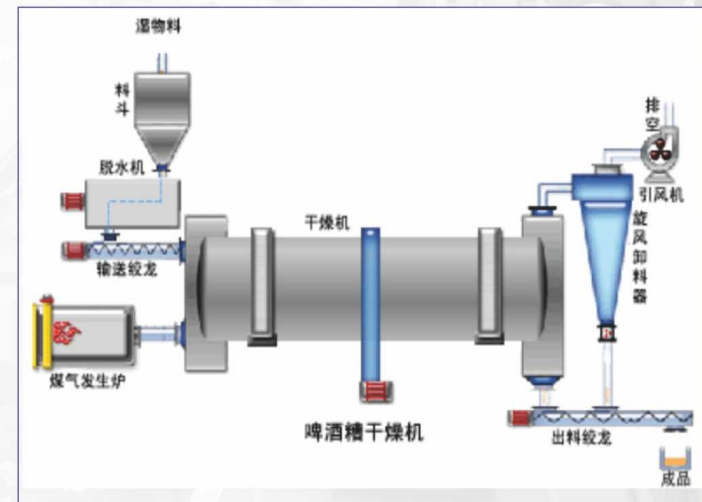
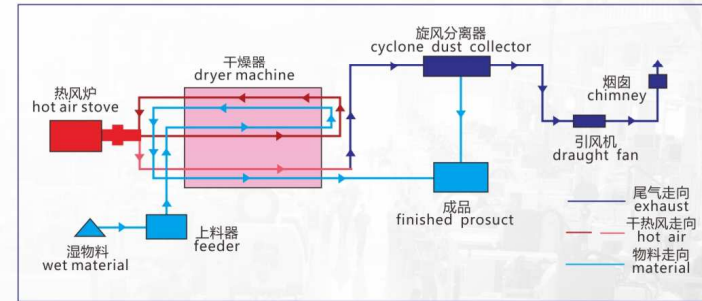
## 产品介绍

» Product introduction

鼎力牌食品渣类饲料化综合利用干燥系统, 是我司自主研发生产的国内最先进的烘干生产线之一, 是一款拥有完整的自主知识产权, 包含20多项发明专利的高科技产品, 以其超高的性价比在业界独树一帜, 广受国内外客户的好评。

The full use of food residue type feed drying system, is our own R & D and production of the most advanced drying production line, is a complete independent intellectual property rights, including more than 20 patents of high-tech products, with its high cost in the industry unique, widely praised by domestic and foreign customers.

### 一、工艺流程 Technological process



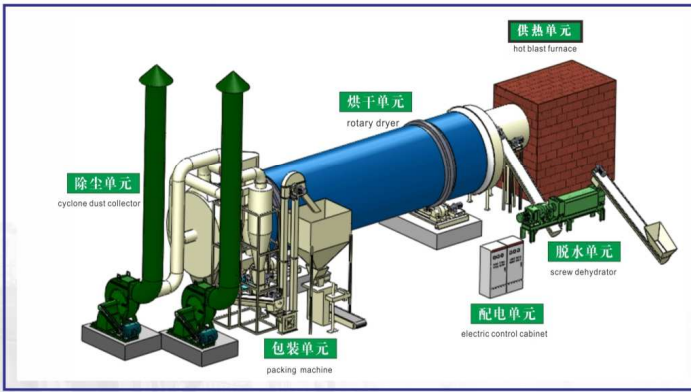
鼎力宗旨:  
The purposes of our Dingli Group:  
质量第一, 诚信为本, 不求最大, 只做更优。  
Quality first, integrity-based, better first, biggest second.

STEP BY STEP TO WIN  
步步为赢

**鼎力目标**  
The objectives of our Dingli Group:  
永做行业领航者, 永做行业第一品牌。  
Always to be the pilot of this industry and make the first brand of this industry.



## 二、设备构成 Equipment constitution

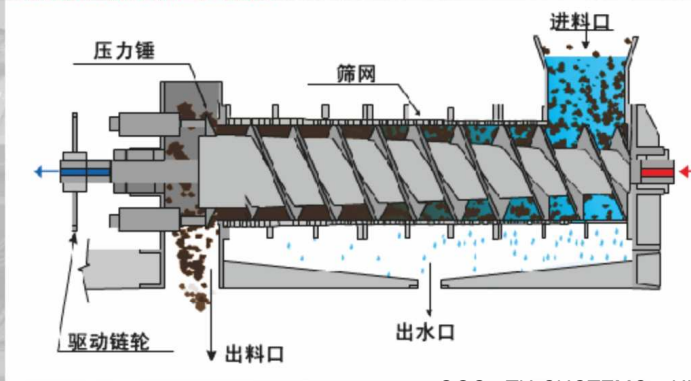


### (一)、脱水机

- 1、挤压式脱水机 (专利号: ZL 2009 2 0089748.8)  
Screw dehydrator (Patent No. ZL 2009 2 0089748.8)



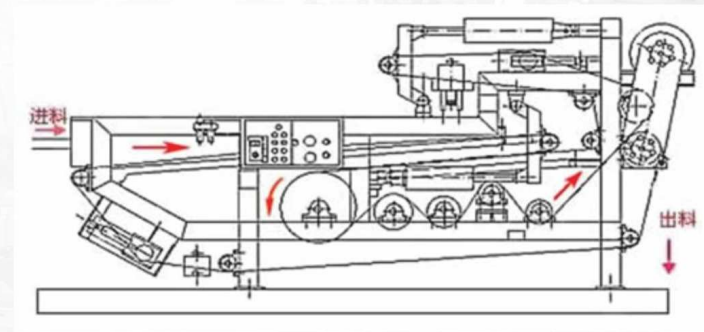
螺旋挤压脱水机工艺流程:



## 2、带式挤压脱水机: Belt Type Dehydrator



脱水机结构和工艺流程图 Structure and flow chart



### (二)、烘干机 Dryer



STEP BY STEP TO WIN  
步步为赢

### (三)、热风炉 Hot blast stove

#### 1、自动链排炉 Automatic chain furnace



#### 2、手烧式热风炉 Hand burning hot blast stove



#### (四) 水滴式粉碎机 Drop type mill



#### (五) 自动打包机 Automatic packing machine



### 三、适应物料 Adaptive material

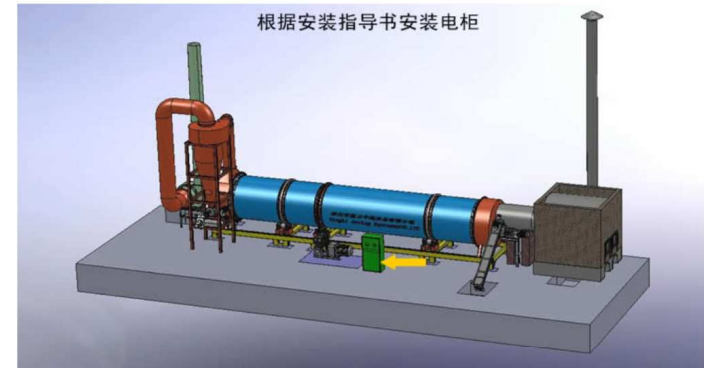
啤酒糟、餐饮垃圾、发酵豆粕、喷浆玉米皮、木薯渣、马铃薯渣、土豆渣、白酒渣、豆渣、药渣、果渣等高湿物料的脱水干燥。

Beer lees, food waste, fermented soybean meal, shotcrete corn bran, cassava dregs, potato residue, potato dregs, lees, bean dregs, dregs, Pomace and other high wet material.

### 四、主要产品 Main products

#### 1、啤酒糟烘干机

Brewer's grains (BSG) dryer (专利号: ZL200920089749.2)



#### (1) 设备简介

啤酒糟三层单通道烘干机是高湿物料干燥专家郑州鼎力公司根据啤酒糟的特点和市场需求,有针对性的开发研制,适用于啤酒糟、白酒糟等糟渣水分50-65%高湿物料的干燥,一次性将物料水分烘干到10-15%。根据每种物料的特性、产量大小、应用需求、成本控制、自动化程度、现场工况等进行优化干燥工艺技术。推荐产品:三层单通道回转滚筒干燥机(专利号: ZL200920089749.2),该设备产量大、高效节能、占地面积小,比普通烘干机节能达30-50%,可以最大化的节约能源及烘干成本。

#### (1) Introduction

Facing the demand of expanding market, we design and manufacture a new kind of single-channel and triple-layer BSG rotary dryer. The new product is designed based on the property of Brewer's grains, which is applicable to the brewing distillers with 50% to 60% moisture and produce the dry materials of 10% to 15% moisture. We also could help optimize the process and technique according to the property of materials, scale of production, application request, level of automation and other factors in working site. Recommend product: Single-channel and triple-layer BSG rotary dryer. (Patent number: ZL200920089749.2). The product is applicable to large-scale production with the advantage of low energy and space cost, which could save 30% to 50% energy compared to similar product.

#### (2) 工作原理:

物料流程是:经过脱水后啤酒糟由输送机送入滚筒的实现顺流烘干,物料在内层的抄板上不断抄起、散落呈螺旋行进式前进,经过内、中、外三层,实现物料和热风质热交换,达到干燥效果的物料在风力作用下快速行进排出滚筒,没有达到干燥效果的湿物料因自重而不能快速行进,物料在控制行程内进行充分干燥,由此达到干燥效果,物料水分降低到10-15%,完成干燥过程,由螺旋输送机排出。滚筒内部安装有震打清理装置,防止物料与筒壁粘接。

鼎力理念:  
The philosophy of Dingli Group:  
让客户利益最大化,让员工过上好日子。  
Let the customers get the benefit maximization and let our employees live better lives.

STEP BY STEP TO WIN  
步步为赢

气体流程是：空气经热风炉鼓风机加压进入热风炉燃烧加热，温度达到500-550℃，被烘干机后引风机吸入烘干机烘干物料、蒸发水分，温度降低55-60℃排出烘干机，含尘湿气经过旋风除尘器收尘、湿式除尘器净化达标排放。

### (2) Principle

**Cool Material flow:** After the dehydration, BSG is delivered to the cylinder and realize the concurrent drying process. Wet materials are lifted up and down by the internal flights and pushed through three layers in spiraling pattern, which realize the heat exchange between cool materials and heated air. The dry materials could pass through the drum quickly with the air force. Wet materials would be dropped gradually and get the fully dried to 10% to 15% moisture. The eventual dry materials would be delivered out of the systems through screw conveyor. Inside the drum, there are vibration cleaning device, which could prevent the adhesion between materials and drum.

**Hot fluid(air) flow:** Cool air is compressed into furnace through blower and heated to 500℃ to 500℃. Then the heated air taken into the drum by draught fan would exchange the heat with wet materials, absorb the moisture and get delivered out of the drum with the temperature reduction of 55 to 60℃. The exhaust gas will be dealt with cyclone dust extractor and wet dust extractor, which would eventually meet the exhaustion requirement.



### (3) 性能特点

- (1) PLC全智能控制，可以确保烘干后的产品颜色呈黄色，适口性好，蛋白质含量高。
- (2) 自动去杂、除铁，确保所烘木屑的杂质不进入后道工序。
- (3) 筒体自我保温热效率高达70%以上，提高热效率30%以上。
- (4) 采用四轮驱动，传动更平稳、可靠。
- (5) 比传统烘干机减少占地50%左右，土建投资降低50%左右。
- (6) 烘干机内部结构采用多种高效扬料板组合模式，有效调控烘干进程和热量分布，热量利用率高，废气排出温度低于50℃。
- (7) 采用变频调速控制物料流量，可根据用户需要轻松调控所要的终水分指标。
- (8) 模块化收尘除尘净化热回收利用配置，安全环保。
- (9) 配套多款节能新型热风炉，高效节能、供热可控、操作简单，能耗下降高达30%左右，电耗降低20%，运行成本更低。

### (3) Characterization:

- (1) PLC smart control. The dried product is yellow, high-protein and with good palatability.
- (2) Impurities removal. Iron dust and other impurities are cleaned and would not enter the following process.
- (3) High heat efficiency. The effect of insulation is as high as 70% and raise the heat efficiency by 30%.
- (4) Four wheel drive, more steady and stable.
- (5) Save 50% space compared to traditional dryers and reduce 50% civil investment.

- (6) Innovative flights design. Effective flights combination would bring better process control, thermal distribution, and heat efficiency. The temperature of exhaust gas is lower than 50℃.
- (7) Convenient variable frequency control systems. Customer could change the material flow rate and product moisture based on their need.
- (8) Environmental and safe. Modular configuration of dust collection and purification systems
- (9) More choice for novel air furnace with high efficiency, convenient manipulation and energy control, which could reduce 30% energy cost and 20% electric cost.

### (4) 啤酒糟烘干机技术参数

#### Brewer's grains dryer technology parameters:

设备规格 Model	DLG1409	DLG1615	DLG2010/3	DLG2210/3	DLG2510/3	DLG2512/3	DLG2912/3
日处理量 (t/d) Capacity	21.5	40.0	62.5	70.5	83.5	108.0	120.0
蒸发水分能力 (t/h) Water evaporation	0.45	0.85	1.35	1.44	1.76	2.10	2.50
原料水分 (%) Raw material moisture	60±5%						
干燥温度 (°C) Drying temperature	250±30°C						
总装机 (kw) Motor power	34	45	78	85	110	125	135
总重量 (kg) Weight	15500	19500	25000	27000	35000	38000	43500
厂房面积 (m²) Plant area	5m*15m	6m*22m	8m*18m	8m*18m	10m*18m	10m*20m	10m*22m

## 2、啤酒酵母烘干机 (专利号ZL 2009 2 0090842.5) :

### (1) 设备简介:

啤酒酵母烘干机一种以间接传导加热方式使物料加热、水分汽化干燥物料的烘干机，使用蒸汽为加热热源。主机由烘缸、机架、传动系统、刮刀装置、限料、刮削装置、浸料装置、汽路系统构成。另外，配备有电气控制柜和排汽罩。该机为传导加热，无烘干介质带走的热损失，因而热利用率高、耗能少，还具有结构紧凑、占地少、操作及维护简便，防腐蚀、不污染等特点。



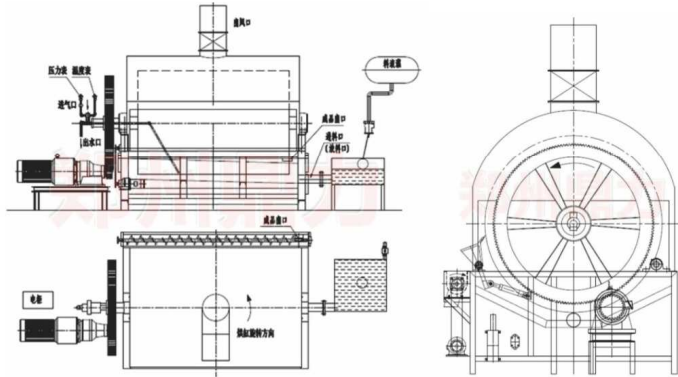
### Product Introduction

Our brewers' yeast dryer product take advantage of heat conduction between hot steam and wet materials, realizing the indirect drying process. The core system is consist of dryer, rack, drive system, scraper device, limiting device, scraping device, feeding device and gas circuit system, which is also equipped with electric control device and exhaust hood. The design of heat conduction could largely reduce the heat loss from heat media, raising the heat efficiency and lowering the energy cost. Meanwhile, our product also have the advantage of space saving, user-friendly operation, corrosion prevention and non-pollution.

鼎力经营观：  
把专业做成经典。  
Make professional a worthy classic.

STEP BY STEP TO WIN  
步步为赢

(2) 酵母烘干机工艺结构图 Yeast dryer process structure

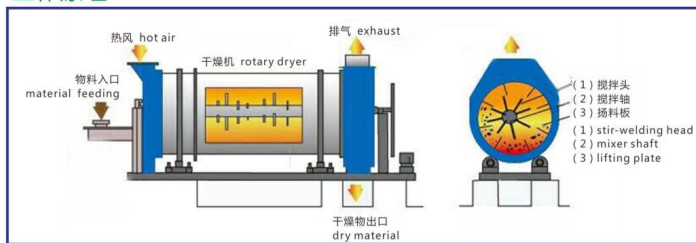


(3) 酵母烘干机技术参数: Yeast dryer technology parameters

参数及型号 Parameters and models	JHDΦ1500×2500	JHDΦ1500×2000	JHDΦ1000×1500
生产能力(kg/h)含水9% Capacity moisture 9%	50-60	25-30	16-20
烘缸尺寸(mm) Drying cylinder size	Φ1500×2500	Φ1500×2000	Φ1000×1500
烘缸转速(r/min) Drying cylinder speed	4-8	4-8	4-8
蒸汽工作压力(Mpa) Steam working pressure	0.15-0.3	0.15-0.3	0.15-0.3
烘缸允许最大压力(mpa) Drying cylinder max pressure	0.3	0.3	0.3
搅拌轴转速(r/min) mixer shaft speed	35	35	35
螺旋轴转速r/min screw shaft speed	41	41	41
蒸汽耗量kg/h Steam consumption	280-400	200-300	130-160
配套电机功率kw Motor power	7.5	5.5	4
主机重量(Ton) Weight	8.5	4.8	3.2

3、薯渣烘干机 Brewer's grains (BSG) dr

工作原理



水分50-65%左右物料由螺旋输送机送入搅拌滚筒烘干机实现顺流烘干,物料在抄板下不断抄起、散落呈螺旋行进式前进,内置搅拌装置将物料充分搅拌打散破碎,物料与热气充分质热交换,水分迅速蒸发汽化,达到干燥效果的物料在热风作用下快速行进排出滚筒,没有达到干燥效

果的湿物料因自重而不能快速行进,物料在滚筒内进行充分干燥,由此达到干燥效果,完成干燥过程,由螺旋输送机排出。滚筒内部安装有震打清理装置,防止物料与筒壁粘接。

Working principle of mixing type rotary drum dryer:

Moisture content 50-65% raw material put into mixing drum dryer by a screw conveyor for downstream drying, the material will be constantly lifting by lifting plate, then Scattered in a spiral type marching forward, this type dryer is equipped with a high-speed broken devices in the roller, it can fully mixing scattered and broken the material, the material and hot air will heat exchange, the water will quickly evaporation and gasify, the material which achieved the drying effect will be quickly moving and fast discharge under hot air action, other material which not achieved drying effect will moving slowly under self weight, the material will fully dry inside of drum, have a good drying effect and complete the drying process, and put out by screw conveyor. Inside of this type drum dryer is equipped with shaking and cleaning devices, this can prevent material adhesive on dryer body.



空气经热风炉鼓风机加压进入热风炉燃烧加热,温度达到600-650°C,被烘干机后引风机吸入烘干机烘干物料、蒸发水分,经过三层换热,风温温度降低到55-60°C排出烘干机,含尘湿气经过旋风除尘器收尘、湿式除尘器净化达标排放。

Gas flow as below:

The air by the blower add pressure into the hot stove burning to heat, when the temperature reached 600-650°C, the hot air will be into dryer by induce draft fan then drying wet material, evaporation water, after three layer heat transfer, when the wind temperature reduce to 55-60°C will discharge from dryer. Dust which content moisture after cyclone dust collector, Wet dust collector purification reached the standard then discharge.

性能特点

- 1.处理量大,单套设备每天可处理鲜薯渣80~200吨。
- 2.适应性强,除可用于烘干薯渣外,还可用于酒糟、复合肥等多种散落性差、降水幅度大的物料。
- 3.使用转筒烘干机作为烘干系统主机,结构简单,故障少,维修费用低,生产能力大,并可保证长时间的连续作业。
- 4.在烘干滚筒内采用了专门设计的抄板结构,确保了薯渣的烘干效果。
- 5.采用新颖独特的密封装置,并配以效果良好的保温系统。
- 6.转筒烘干机采用无级变速传动,可根据物料水分的不同而方便的调节转筒的转速,以达到最好的烘干效果。
- 7.在烘干工段后可配接粉碎、混合、制粒、打包等后续工段,以生产薯渣颗粒饲料成品。

性能特点

- 1 processing capacity, a single set of equipment every day to deal with fresh potato residue 80 to 200 tons.
2. Strong adaptability, not only can be used for drying of potato residue, for lees, compound fertilizer and other scattered and precipitation range of materials.
- 3 using the rotating drum dryer as the main drying system, the structure is simple, the fault is little, the maintenance cost is low, the production capacity is big, and it can guarantee the long time continuous operation.

The special design of the structure is used in the drying drum

鼎力服务观:  
The service concept of Dingli Group:  
不满足让客户满意,唯追求让客户感动。  
Never satisfy ourselves with our customers' satisfaction, Always in the pursuit of moving our customers.



STEP BY STEP TO WIN  
步步为赢



to ensure the drying effect of the potato residue.  
5 adopt a new and unique sealing device, and with a good effect of the insulation system.  
6 rotating drum drying machine with continuously variable transmission, according to the material moisture and convenient to adjust the speed of the rotating cylinder, in order to achieve the best drying effect. In  
7 after the drying section can be matched with the crushing, mixing and granulating, packaging and other subsequent section, in the production of potato residue feed products.

**技术参数**

设备参数	Φ1.4m×10m	Φ1.4m×13m	Φ1.4m×16m	Φ2.2m×10m
日产量	8吨	10吨	12吨	20吨
总装机	34kw	36kw	32.7kw	40.2kw
吨料耗标煤	120m <sup>2</sup>	135m <sup>2</sup>	36m <sup>2</sup>	64m <sup>2</sup>
人工费	20元	20元	20元	20元
厂房面积m <sup>2</sup> (宽×长×高)	5×15×3.7	5×20×3.7	5×25×3.7	6×35×5

**4、餐饮垃圾烘干机 Brewer's grains (BSG) dr**

**设备简介**

我公司研发的餐饮垃圾烘干机饲料化系列成套设备,是以饭馆、食堂的下脚料泔水作为原料,经快速除杂、挤压脱水、消毒、杀菌、烘干生成高蛋白饲料的设备,又名餐厨垃圾烘干机。

**设备简介**

Our R & D of food waste dryer feed series of complete sets of equipment, is to swirl restaurant and canteen waste as raw material, the fast removing impurity, extrusion dehydration, disinfection, sterilization, drying equipment of high protein feed production, also known as the kitchen garbage drying machine.

**性能特点**

- 1、技术先进:多项国家专利,技术国际领先;
- 2、方便灵活:可根据要求量身定做(分片源头式处理或集中处理均可);
- 3、绿色节能:可使用太阳能和空气能热泵加热系统,节约电能70%以上;
- 4、出油率高:出油率达到5-10%,充分回收利用;
- 5、环保无污染:所有有机物(固体、液体、气体)全部利用,无污染排出,真正达到零污染排放;
- 6、处理快:处理速度快,分解效率高,异味小,4-20小时内减量率达到85%;
- 7、智能化操作:全自动,智能化无需专人看管;

**性能特点**

- 1, advanced technology: a number of national patents, technology international leader;
- 2, convenient and flexible: according to the requirements of the source type processing or centralized processing Jun Ke;
- 3, green energy saving: the use of solar energy and air energy heat pump heating system, energy saving more than 70%;
- 4, the oil rate is high: the oil rate reached 5-10%, fully recycling;
- 5, environmental pollution: all organic matter (solid, liquid, gas) all use, no pollution discharge, truly achieve zero pollution emissions;
- 6, fast processing: processing speed, high efficiency, low odor, 4-20 hours reduction rate reached 85%;
- 7, fool type operation: automatic, intelligent without the need for special care;



**技术参数**

设备规格 Model	DLJG1208	DLJG1408	DLJG1610	DLJG2010/3	DLJG2210/3	DLJG2510/3	DLJG2512/3	DLJG2912/3
日处理量 (t/d) Capacity	33.6	40.8	58.9	133.4	145.0	167.7	204.0	247.0
日产量 (t/d)	15.6	19.2	27.7	61.8	68.2	78.9	96.0	116.2
蒸发水分能力 (t/h) Water evaporation	0.75	0.90	1.30	2.90	3.20	3.70	4.50	5.45
原料水分 (%) Raw material moisture	60±5%							
干料水分 (%)	12-15% (可调)							
干燥温度 (°C) Drying temperature	350-550°C							
总装机 (kw) Motor power	32	40	55	95	100	125	145	165
总重量 (kg) Weight	15000	17000	21500	26500	28500	37000	41000	45500
厂房面积 (m <sup>2</sup> ) Plant area	5m*14m	5m*14m	6m*16m	8m*16m	8m*16m	10m*16m	10m*18m	10m*20m

**5、发酵豆粕烘干机 Brewer's grains (BSG) dr**

我司研发的桨叶搅拌滚筒烘干机可将发酵豆粕低温瞬间脱水到12%,粉碎到30-80目,冷却到常温包装。是目前国际业界最先进的烘干机生产线。

I Division R & D of the blade mixing drum dryer can be fermented soybean meal at a low temperature instant dehydration to 12%, crushing to 30-80 mesh, cooling to room temperature packaging. Is currently the world's most advanced drying machine production line.

**烘干机特点**

- 1、设备可以实现智能化控制,一键式操作,运行参数自动调控,设备始终处在最佳状态运行,确保产品水分均匀稳定、干燥效果好,烘干成品物料温度低于50°C、菌活性高、颜色鲜亮、营养物质保持不变。
- 2、烘干机内置搅拌桨叶装置将物料充分搅拌打破破碎,物料与热气质热交换充分,设备单位产能提高50%以上、燃料能耗降低30%以上;
- 3、比普通滚筒烘干机组减少占地40%左右,土建投资降低40%左右,设备投资降低20%。
- 4、烘干机内部结构采用多种高效扬料板组合模式,有效调控烘干进程和热量分布,热量利用率高,废气排出温度低于50°C。
- 5、采用变频调控物料流量、热风供给、滚筒转速等运行参数,可根据用户需要轻松调控所要的终水分指标和设备产能。
- 6、模块化收尘除尘净化热回收利用配置,安全环保。
- 7、配套多款节能新型热风炉,高效节能、供热可控、操作简单,能耗下降高达30%左右,电耗降低20%,运行成本更低。

鼎力人才观:  
The talent concept of Dingli Group:  
唯才是举,任人唯贤  
Appointing people according to their merits and political integrity.



STEP BY STEP TO WIN  
步步为赢

鼎力价值观：  
The enterprise values of Dingli Group：  
无私奉献，互利共赢。  
Selfless dedication to the society, mutual benefit and win-win results.

**烘干机特点**

- 1, equipment can realize intelligent control, one button operation, automatic control of operating parameters, equipment is always in the best condition to run, to ensure uniform and stable product moisture, the better the effect of drying, drying finished product material temperature below 50 DEG C, high active bacteria, bright color, nutrients remain unchanged.
- 2, drying machine with built-in stirring blade device material stirring scattered broken, material and hot air mass and heat exchange is fully, equipment capacity of the unit increased above 50%, fuel consumption reduced by more than 30%.
- 3, compared with the ordinary roller dryer unit reduce the area of about 40%, civil investment is reduced by about 40%, the equipment investment is reduced by 20%.
- 4, drying machine internal structure using a variety of high Xiaoyang plate assembly model, effective control the drying process and heat distribution, high utilization rate of heat, waste gas discharge below the temperature of 50 DEG C.
- 5, the use of variable frequency control of material flow, hot air supply, roller speed and other parameters, can be easily controlled by the user to easily control the final moisture content and equipment capacity.
- 6, modular dust removal and purification of heat recovery and utilization of the configuration, safety and environmental protection.
- 7, supporting a variety of energy-saving new hot blast stove, high efficiency and energy saving, heating control, simple operation, energy consumption is reduced by up to 30%, the electricity consumption is reduced by 20%, lower running cost.

**烘干机性能参数**

设备规格 Model	DLG1208	DLG1408	DLG1610	DLG2010/3	DLG2210/3	DLG2510/3	DLG2512/3	DLG2912/3
日处理量 (t/d) Capacity	43.7	52.5	75.8	169.0	186.5	215.5	262.2	317.6
日产产量 (t/h)	25.7	30.9	44.6	99.4	109.7	126.7	154.2	186.8
蒸发水分能力 (t/h) Water evaporation	0.75	0.90	1.30	2.90	3.20	3.70	4.50	5.45
原料水分 (%) Raw material moisture	50±5%							
干料水分 (%)	12-15% (可调)							
干燥温度 (°C) Drying temperature	150-350							
总装机 (kw) Motor power	32	40	55	95	100	125	145	165
总重量 (kg) Weight	15000	17000	21500	26500	28500	37000	41000	45500
厂房面积 (m²) Plant area	5m*14m	5m*14m	6m*16m	8m*16m	8m*16m	10m*16m	10m*18m	10m*20m



**6、喷浆玉米皮烘干机 Brewer's grains (BSG) dr**

**工作原理**

玉米浆和玉米皮在混合机内混合均匀，混合后含水在35-40%的湿玉米皮由上料机输送到进料机，由进料机把玉米皮输送到干燥滚筒内，玉米皮在干燥滚筒内均布的抄板器翻动下，均匀分散与热空气充分接触，达到传热、传质的干燥目的。干燥后的玉米皮在滚筒终端经星型卸料器排出成品，由出料机把干料输出，完成干燥过程。干燥后产品经过冷却系统，物料干燥程度与颜色均匀一致，十分理想。

**工作原理**

Corn starch and corn bran in the mixer mixing, mixed water in 35-40% of the wet corn bran by feeding machine transported to the feeding machine, by feeder to corn bran is transported to the drying drum, corn skin in drying drum uniformly distributed the copy board agitator and dispersed homogeneously and hot air full contact, to heat and mass transfer in the dry. After drying the corn skin at the end of the drum by star unloader finished product is discharged, the feeding machine of dry materials output to complete drying process. After drying the product through the cooling system, the degree of material drying is consistent with the color, which is very ideal.

**主要特点：**

- 1、滚筒干燥机械化程度高，生产能力较大，可连续运转。
- 2、结构优良、简单，物料通过筒体阻力运行平稳，操作方便。
- 3、故障少、维护费用低、功耗低。
- 4、适用范围广，产品干燥的均匀性好。

- 1, the high degree of mechanization of the rotary drum, the production capacity is large, can be continuous operation.
- 2, the structure is fine, simple, the material through the tube body resistance running smoothly, the operation is convenient.
- 3, less trouble, low maintenance costs, low power consumption.
- 4, wide range of products, product drying uniformity.



**技术参数：**

设备参数	Φ1.4m*10m	Φ1.4m*13m	Φ1.4m*16m	Φ1.6m*16m	Φ2.2m*10.5m	备注
总装机	19.7KW	30.4KW	30.4KW	49.5KW	53KW	----
吨料耗煤	40kg	40kg	40kg	40kg	40kg	≥6000大卡
吨料耗电	20度	20度	20度	20度	20度	----
厂房面积m² (宽×长×高)	5m*20m*3.7m 宽*长*高	5m*25m*3.7m 宽*长*高	5m*30m*3.7m 宽*长*高	5m*30m*3.7m 宽*长*高	5m*20m*3.7m 宽*长*高	----
调速范围	4-8/min					

**设备适用范围**

回转滚筒干燥机可广泛用于喷浆玉米皮、小麦淀粉渣、木薯渣、马铃薯渣、土豆渣、啤酒渣、白酒渣、饲料等产品的烘干。根据烘干产品的要求，可采用不同热源。如：直热式热风炉、间接式热风炉、煤气转化炉等。

**设备适用范围**

Rotary drum dryer can be used for drying of shotcrete corn bran, wheat starch residue, cassava dregs, potato residue, potato residue, beer residue, white wine lees, feed and other products. According to the requirements of drying products, different heat sources can be used. Such as: direct hot air stove, indirect type hot air stove, gas furnace, etc..

STEP BY STEP TO WIN  
步步为赢

# 成功案例 (国际部分节选)

## » Successful case



俄罗斯生产现场



德国装配现场



智利啤酒糟生产现场



摩洛哥生产现场



泰国生产现场



菲律宾生产现场



印度尼西亚生产线安装现场



越南生产现场



柬埔寨酵母生产现场



非洲埃及设备安装现场



老挝啤酒糟生产现场



英国啤酒糟生产现场



马来西亚生产现场



巴西生产现场

STEP BY STEP TO WIN  
步步为赢

**鼎力创新力** :  
The innovation strength of Dingli Group :  
实施自主创新战略，打造科技创新型企业。  
Implementing the strategy of independent innovation and building up the science and technology innovation-oriented enterprises.



# 成功案例 (国内部分节选)

## » Successful case

STEP BY STEP TO WIN  
步步为赢



- ①
- ②
- ③
- ④
- ⑤
- ⑥

- ① 湖南啤酒糟生产现场  
The Brewer's grain's drying installation site in Hunan
- ② 扬州生产线现场  
production line working site at Yangzhou City
- ③ 广西生产线现场  
production line working site at Guangxi Province
- ④ 陕西酵母生产现场  
The Brewer's grain's drying installation site in Shanxi
- ⑤ 福建啤酒糟生产现场  
The Brewer's grain's drying production line site in Fujian
- ⑥ 烘干机批量制造装配现场  
The dryer batch manufacturing assembly site



- ① 广东肇庆普鲁纳干燥现场  
Single drum rotary dryer send to customer from Meizhou City, Guangdong
- ② 广西桂林牧草干燥现场  
The Brewer's grain's drying installation site in Yunnan
- ③ 广西柳州牧草干燥现场  
Pellet machine working site at Xiangfangshan, Yunnan
- ④ 河南濮阳牧草干燥现场  
Pellet machine working site at Luohe City, Henan
- ⑤ 浙江湖州牧草干燥现场  
Production line site at Linhai city, Zhejiang
- ⑥ 安徽六安牧草干燥现场  
Production site at Luian City, Anhui



- ①
- ②
- ③
- ④
- ⑤
- ⑥



鼎力执行力  
The executive strength of Dingli Group:  
顽强拼搏，精细致远。  
Strive to succeed tenaciously, exquisite details accomplish something further.

## 研发中心

R&D center

集团致力追求高科技研发和高质量产业：采用CAD、CAM技术，专业从事各种干燥系统的研发，并与国内多所科研院所合作，搞技术研发，先后发表学术论文30多篇；集团拥有国家专利160余项，发明专利5项，科研成果4项，科技进步奖1项。研发中心拥有各类技术人员200余人，其中中级职称40人，高级职称30人，享受国务院特殊津贴专家2人。集团凭借领先的技术、精良的加工及检验设备、完善的质量管理体系，先进的计算机管理系统和高素质的职工队伍，监控着产品研制的全进程，并帮助用户对干燥设备进行选型，以便选用低投入、低能耗、高效率的干燥设备；

Our Group is committed to the pursuit of high-tech research and development and the high quality industry by using CAD, CAM technology to specialize and engage in the research and development of various drying systems; we have joined hands with many domestic scientific research institutes and published more than 30 academic theses. Our Group owns 160 items of national patents, 5 invention patents, 4 items of scientific research, and 1 item of science and technology progress prize. Our research and development center has more than 200 technical personnels of all kinds, among which there are of 40 people of intermediate title, 30 of senior titles, and one expert who can enjoy the state council special allowances. With advanced technology, sophisticated processing and testing equipment, perfect quality management system, advanced computer management system and high-quality staff team, Our Group manages to monitor the product development and the whole process of experiment. In addition, in order to choose a drying equipment of low investment, low energy consumption but high efficiency, we also assist our customers to make the satisfied choice.

### 郑州市科学技术局文件

郑科字〔2013〕4号

#### 关于认定郑州市工程技术研究中心 (重点实验室)的通知

各有关单位：  
为鼓励企业自主创新，提高企业自主创新能力，促进企业技术创新，经专家评审、重点推荐、择优认定，从2013年度郑州市工程技术研究中心(重点实验室)中认定郑州市工程技术研究中心(重点实验室)10家。现予以公示，公示期为2013年12月10日至2013年12月15日。如有异议，请于公示期间内，向郑州市科学技术局科技处反映。逾期不予受理。特此通知。

附件：2013年度郑州市工程技术研究中心(重点实验室)认定名单

郑州市科学技术局

### 郑州市干燥设备工程技术研究中心

郑州市干燥设备工程技术研究中心  
郑州市干燥设备工程技术研究中心  
郑州市干燥设备工程技术研究中心  
郑州市干燥设备工程技术研究中心

### 干燥设备专业 成员单位证书

干燥设备专业  
成员单位证书  
郑州市干燥设备工程技术研究中心  
郑州市干燥设备工程技术研究中心  
郑州市干燥设备工程技术研究中心

### 郑州市干燥设备工程技术 研发中心

郑州市干燥设备工程技术  
研发中心  
郑州市干燥设备工程技术  
研发中心



## 加工中心

Advanced equipment

近年来，集团为提高产品质量，十分重视技术投资。融资近百万元，先后购置了大型数控等离子/火焰切割机、逆变式埋弧焊机数十台大、中型工艺先进的高科技生产加工设备，有效地提高了效能，生产工艺和产品质量连年梯次上升：煤泥烘干系列产品作为公司传统的拳头产品，仍然一家独大，稳做行业第一品牌；高湿物料干燥设备、环保除尘等其他系列产品，持续热销，市场份额连年扩大，笑傲江湖；新能源设备异军突起，独步市场，发展神速，已成为集团新的产业支柱。

In recent years, in order to improve the quality of our products, Dingli Group has attached great importance to investment in technology. Financing nearly ten thousand yuan, we has purchased a large CNC plasma/flame cutting machine, inverter type submerged arc welding machine and other ten big, medium-sized technology advanced high-tech production and processing equipment in order of urgency, which effectively improves the efficiency of the production process and product quality in successive years, that is, as the traditional fist products company our coal slime drying series products still dominate in this field, we are still the first brand of the industry; High humidity material drying equipment, environmental protection dust collectors and other series of products continue to sell well, to expand our market shares have expanded greatly and thrived year after year; In the global market of new energy equipment industry, we have developed rapidly to become a major force and new industrial pillars for the Dingli Group's economic growth.

Hs1000 逆变式埋弧焊机  
Inverter type submerged arc welding machine



QC12Y-4X6000数控剪板机  
CNC shearing machine



WC67Y-160T/6000 数控折弯机  
CNC bending machine



YH-300DHD 数控等离子/火焰两用切割机  
CNC plasma/flame and cutting machine

STEP BY STEP TO WIN  
步步为赢

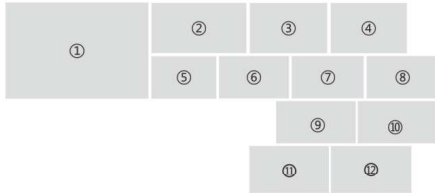
鼎力管理力：  
The management strength of Dingli Group:  
管理职责化，工作标准化，办事程序化。  
The management responsibilities, work standardization, action programmed.



# 国际交流 (节选一)

## International Exchange

**鼎力团队力:**  
The team strength of Dingli Group:  
心愿一致, 情同手足, 彼此协调, 合作共赢。  
unanimous aspiration, brotherly love, to coordinate with each other, win-win cooperation.



1印度  
2以色列  
3俄罗斯  
4乌干达  
5俄罗斯  
6东南亚

Fig. 1 India;  
Fig. 2 Israel;  
Fig. 3 Russia;  
Fig. 4 Uganda;  
Fig. 5 Russia;  
Fig. 6 Southeast Asia;

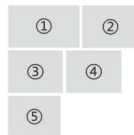
7马来西亚  
8澳大利亚  
9台湾地区  
10新加坡  
11印度尼西亚  
12越南

Fig. 7 Malaysia;  
Fig. 8 Australia;  
Fig. 9 Taiwan;  
Fig. 10 Singapore;  
Fig. 11 Indonesia;  
Fig. 12 Vietnam;

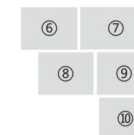
STEP BY STEP TO WIN  
步步为赢

# 国际交流 (节选二)

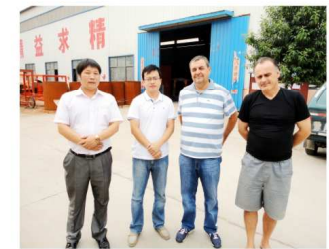
## International Exchange



①澳大利亚 Fig. 1 Australia;  
②阿根廷 Fig. 2 Argentina;  
③俄罗斯 Fig. 3 Russia;  
④泰国 Fig. 4 Thailand;  
⑤乌兹别克斯坦 Fig. 5 Uzbekistan



⑥俄罗斯 Fig. 6 Russia;  
⑦马来西亚 Fig. 7 Malaysia;  
⑧日本 Fig. 8 Japan;  
⑨德国 Fig. 9 Germany;  
⑩斯洛文尼亚 Fig. 10 Slovenia



**鼎力文化力:**  
The cultural strength of Dingli Group:  
态度决定一切, 细节决定成败。  
Attitude decides everything while details determine success or failure.



STEP BY STEP TO WIN  
步步为赢

# 集团资质

» Group quality



鼎力产品力  
The product strength of Dingli Group:  
质量赢市场, 诚信铸品牌  
The quality wins the market and good faith integrity establish the brand

STEP BY STEP TO WIN  
步步为赢

