人元生物
Renyuan Biotechnology

专业求精确　品质赢天下
Precision in every detail - quality trusted worldwide

机械设备篇
MACHINERY AND EQUIPMENT

鹤壁市人元生物技术发展有限公司
Hebi Renyuan Biotechnology Development Co., Ltd.

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（随产品技术进步，产品结构、参数将不断改进，恕不另行通知。样本参数与实物有不符的，以实物为准。）
Product structures and technical specifications may change as technology advances, without prior notice. If any illustrated specifications differ from the actual product, the actual product shall prevail.

鹤壁市人元生物技术发展有限公司
Hebi Renyuan Biotechnology Development Co., Ltd.

中国·鹤壁
Hebi, China

专　业　求　精　确　　品　质　赢　天　下

Precision in every detail - quality trusted worldwide



人元生物

Renyuan Biotechnology

国　家　高　新　技　术　企　业

National High-Tech Enterprise

致　力　打　造　绿　色　生　态　链

Committed to a Green Ecological Chain

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企业简介
Company Profile

成立于2005年
Founded in 2005

专业致力于农用微生物菌剂、有机肥、生物有机肥、有机肥配套设备、植保器械、农林机械研发、生产、销售、技术推广与应用服务的农业产业化科技型企业。

An agricultural technology enterprise specializing in the R&D, manufacture, sales, technical promotion and application services of agricultural microbial inoculants, organic and bio-organic fertilizers, organic fertilizer equipment, plant protection machinery and agricultural machinery.

有机肥发酵菌种自主研发较早的企业
An early developer of proprietary strains for organic fertilizer fermentation

有机肥生产技术较成熟的企业
Proven organic fertilizer production technology
有机肥行业产业链较完整的企业
A comprehensive organic fertilizer industry chain

国家高新技术企业
National High-Tech Enterprise
工业企业知识产权运用试点企业
National Pilot Enterprise for Industrial Intellectual Property Application
国家科技型中小企业
National Science and Technology-based SME
河南省创新型试点企业
Henan Innovative Pilot Enterprise
河南省科技小巨人企业
Henan Science and Technology “Little Giant” Enterprise
河南省农业产业化重点龙头企业
Henan Leading Enterprise in Agricultural Industrialization
河南省农业产业化联合体
Henan Agricultural Industrialization Consortium
河南省技术创新示范企业
Henan Technology Innovation Demonstration Enterprise
河南省专精特新中小企业
Henan Specialized, Refined, Distinctive and Innovative SME
河南省绿色技术创新示范企业
Henan Green Technology Innovation Demonstration Enterprise
河南省服务型制造示范企业
Henan Service-Oriented Manufacturing Demonstration Enterprise
河南省知识产权优势企业
Henan Enterprise with Intellectual Property Advantages
国家博士后科研工作站
National Postdoctoral Research Station
河南省微生物菌剂工程技术研究中心
Henan Engineering Research Center for Microbial Inoculants
河南省农业废弃物资源化综合利用工程研究中心
Henan Engineering Research Center for Agricultural Waste Resource Utilization
河南省企业技术中心
Henan Enterprise Technology Center
河南省污水污泥处理与资源化利用产业技术创新战略联盟
Henan Strategic Alliance for Industrial Technology Innovation in Wastewater and Sludge Treatment and Resource Utilization
鹤壁市农业微生物菌剂重点实验室
Hebi Key Laboratory for Agricultural Microbial Inoculants



荣誉
Honors

是耕耘的收获，是智慧的结晶，

是理想的追求，是拼搏的足迹……

荣誉代表着过去，

在这个市场竞争激烈的时代，

无数的品牌沉沉浮浮，无数的企业去去来来，

有远见才有未来，有责任才有价值。

人元生物始终以“远离污染，走进绿色”

为时代使命，

锐意进取，奋斗不息！

Honors reward hard work and wisdom.
They reflect ideals pursued
and efforts made.
Honors mark our past achievements.
In today's competitive market,
brands rise and fall;
businesses come and go.
Vision shapes the future;
responsibility creates value.
Renyuan Biotechnology upholds a mission:
Keep pollution away;
embrace a greener future.
We strive with resolve and perseverance.

鹤壁市人元生物技术发展有限公司
博士后科研工作站
POSTDOCTORAL PROGRAMME
人力资源和社会保障部
全国博士后管委会 制发
二〇二一年二月

河南省
微生物菌剂工程技术研究中心
河南省科学技术厅

河南省
农业废弃物资源化综合利用
工程研究中心
河南省发展和改革委员会

省级
企业技术中心
河南省发展和改革委员会
河南省科学技术厅
河南省财政厅
国家税务总局河南省税务局
中华人民共和国郑州海关

HSRITSA
河南省污水污泥处理与资源化利用
产业技术创新战略联盟

高新技术企业
河南省科学技术厅 河南省财政厅
国家税务总局河南省税务局
二〇二一年九月

国家科技型中小企业
科学技术部

工业企业知识产权
运用试点企业
中华人民共和国工业和信息化部
二〇二〇年十二月

河南省
创新型试点企业
河南省科学技术厅 河南省财政厅
河南省人民政府国有资产监督管理委员会 河南省国家税务局
河南省总工会 河南省地方税务局
河南省发展和改革委员会 河南省知识产权局

河南省
节能减排科技创新示范企业
河南省科学技术厅
河南省发展和改革委员会
河南省工业和信息化委员会
河南省环境保护厅
河南省住房和城乡建设厅

授予：鹤壁市人元生物技术发展有限公司
农业产业化省重点龙头企业
(2022-2024)
河南省人民政府
二〇二二年十二月

河南省
科技小巨人企业
河南省科学技术厅

河南省
服务型制造示范企业
河南省工业和信息化厅
二〇二二年五月

河南省知识产权优势企业
河南省知识产权局
二〇二二年十二月三十一日

鹤壁市人元生物技术发展有限公司
河南省绿色技术创新示范企业
(2022-2025)
河南省科学技术厅 河南省发展和改革委员会
河南省工业和信息化厅 河南省生态环境厅
2022年8月

河南省
技术创新示范企业
河南省工业和信息化厅
河南省财政厅

授予：鹤壁市人元生物技术发展有限公司
河南省农业产业化联合体
河南省农业农村厅
2022年1月28日

企业规范化管理

Standardized Enterprise Management

















科研力量

Research and Development

















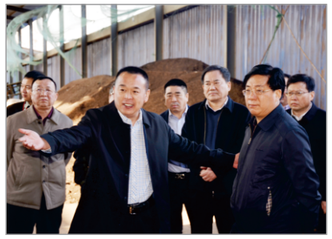


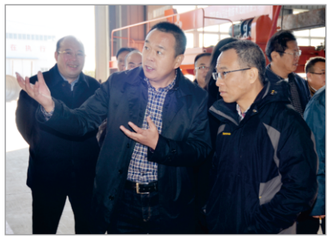
政府关怀/技术交流

Government Engagement / Technical Exchange

河南省政协领导
莅临公司调研指导

Henan CPPCC leaders visit the company for inspection and guidance.





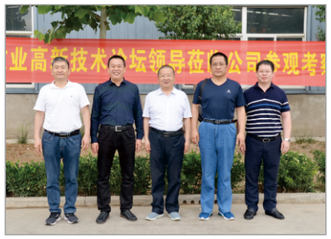
农业部畜牧司
副司长王俊勋
莅临公司调研指导

Wang Junxun, Deputy Director of the Animal Husbandry Department of the Ministry of Agriculture, visits for inspection and guidance.

河南省科技厅
处长张芳
莅临公司调研指导

Zhang Fang, Division Chief of the Henan Department of Science and Technology, visits for inspection and guidance.





河南畜牧局领导
莅临公司调研指导

Leaders of the Henan Animal Husbandry Bureau visit for inspection and guidance.

农业部畜牧司
副司长王俊勋
莅临公司调研指导

Wang Junxun, Deputy Director of the Animal Husbandry Department of the Ministry of Agriculture, visits for inspection and guidance.





中国农业科学院
李建国所长
周发永博士
莅临公司调研指导

Director Li Jianguo and Dr. Zhou Fayong of the Chinese Academy of Agricultural Sciences visit for inspection and guidance.

中国农业科学院
研究员崔金杰
莅临公司调研指导

Researcher Cui Jinze of the Chinese Academy of Agricultural Sciences visits for inspection and guidance.



客户实地参观考察/市场开拓

Customer Visits / Market Development



有机肥生产技术培训班
Organic fertilizer production technology training



蚜虫生物防治技术研讨会
Seminar on biological aphid control



衡水精准技术研讨会
Hengshui precision technology seminar



越南客户来访
Visitors from Vietnam



德国客户来访
Visitors from Germany



阿尔及利亚客户来访
Visitors from Algeria



国际(青岛)畜牧业交易会
International Livestock Expo (Qingdao)



国际(青岛)畜牧业交易会
International Livestock Expo (Qingdao)



河南科技学院师生来访
Faculty and students from Henan Institute of Science and Technology visit



泰国国际集约化畜牧展
VIV Asia, Thailand



泰国国际集约化畜牧展
VIV Asia, Thailand



郑州大学师生来访
Faculty and students from Zhengzhou University visit

设备发货及使用现场

Equipment Shipment and Operation Sites














部分合作客户

Selected Partners

世界银行

亚洲开发银行

伊利

温氏集团

双汇集团 SHINEWAY GROUP

正邦集团 ZHENGBANG GROUP

牧原股份 MUYUAN

Huishan 1951

大象农牧 DAXIANG FARMING

中鹤集团 ZHONGHE GROUP

六和集团 LIUHE GROUP

中广核 CGN

新希望乳业

圣牧高科 SHENGMUHIGH-TECH

DBN 大北农集团

人元生物——有机废弃物管理专家

Renyuan Biotechnology - Organic Waste Management Specialists

RY-YFD5000半液压履带式翻堆机

RY-YFD5000 Semi-hydraulic Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-YFD5000半液压履带式翻堆机是我们在采纳多个发达国家同类产品的成熟机型的优点上，结合中国国情设计出的半液压履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了车架分体升降的设计，在移换工作场地或翻堆高度需要改变时，可升降车架高度，让操作更便利化。

The RY-YFD5000 semi-hydraulic crawler compost turner combines the advantages of advanced international models with the needs of Chinese agriculture. Its compact design makes operation simple and reduces site requirements. The split lifting frame allows the machine to climb higher compost piles and makes turning operations more convenient.

主要技术参数：（外形尺寸4200×6300×4000）

Main specifications (overall dimensions: 4200 × 6300 × 4000 mm)

翻堆机型号 Turner model	RY-YFD5000	额定功率(kw) Rated power (kW)	247
翻堆宽度(mm) Turning width (mm)	5000	最大扭矩（N·m） Maximum torque (N·m)	1338
翻堆高度(m) Turning height (m)	2.1	最低燃油率（g/kw·h） Min. fuel use (g/kW·h)	≤310
履带宽度(m) Crawler width (m)	2×0.35	工作刀直径(mm) Blade diameter (mm)	1120
堆积物间距(m) Spacing between piles (m)	0.6	最大处理能力(m^3/h) Maximum capacity (m^3/h)	2205
物料颗粒最大(mm) Max. particle size (mm)	Φ250	气缸数 Number of cylinders	6
转弯半径(mm) Turning radius (mm)	3150	气缸容积（L） Engine displacement (L)	8.3
前进速度(m/min) Forward speed (m/min)	0-10	电池（V） Battery (V)	12V/150A*2
后退速度(m/min) Reverse speed (m/min)	0-10	油箱容积（L） Fuel tank capacity (L)	200
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×5m(宽）×2.1m(高）÷2=2205方/时 7 m/min × 60 min × 5 m × 2.1 m ÷ 2 = 2205 m^3/h		
发动机品牌 Engine brand	潍柴 Weichai		



RY-YFD4000全液压履带式翻堆机

RY-YFD4000 Fully Hydraulic Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-YFD4000全液压履带式翻堆机是我们在采纳多个发达国家同类产品的成熟机型的优点上，结合中国国情设计出的全液压履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了车架整体升降的设计，在移换工作场地或翻堆高度需要改变时，可升降车架高度，让操作更便利化。

The RY-YFD4000 fully hydraulic crawler compost turner combines the advantages of advanced international models with the needs of Chinese agriculture. Its compact design makes operation simple and reduces site requirements. The integral lifting frame allows the machine to climb higher compost piles and makes turning operations more convenient.

主要技术参数：（外形尺寸 3400×5300×3900）

Main specifications (overall dimensions: 3400 × 5300 × 3900 mm)

翻堆机型号 Turner model	RY-YFD4000	额定功率(kw) Rated power (kW)	194
翻堆宽度(mm) Turning width (mm)	4000	最大扭矩（N·m） Maximum torque (N·m)	1135
翻堆高度(m) Turning height (m)	1.9	最低燃油率（g/kw·h） Min. fuel use (g/kW·h)	≤231
履带宽度(m) Crawler width (m)	2×0.35	工作刀直径(mm) Blade diameter (mm)	1050
堆积物间距(m) Spacing between piles (m)	0.6	最大处理能力(m^3/h) Maximum capacity (m^3/h)	1596
物料颗粒最大(mm) Max. particle size (mm)	Φ250	气缸数 Number of cylinders	6
转弯半径(mm) Turning radius (mm)	2400	气缸容积（L） Engine displacement (L)	8.3
前进速度(m/min) Forward speed (m/min)	0-10	电池（V） Battery (V)	12V/150A*2
后退速度(m/min) Reverse speed (m/min)	0-10	油箱容积（L） Fuel tank capacity (L)	150
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×5m(宽）×2.1m(高）÷2=2205方/时 7 m/min × 60 min × 5 m × 2.1 m ÷ 2 = 2205 m^3/h		
发动机品牌 Engine brand	潍柴 Weichai		



RY-YFD3500全液压履带式翻堆机

RY-YFD3500 Fully Hydraulic Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-YFD3500全液压型履带式翻堆机是我们在采纳多个发达国家同类产品的成熟机型的优点上，结合中国国情设计出的全液压履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了车架分体升降的设计，在移换工作场地或翻堆高度需要改变时，可升降车架高度，让操作更便利化。因我厂生产的RY-YFD3500是全液压型履带式翻堆机，所以基本没有机械磨损，故障率很低，基本不用维修。

The RY-YFD3500 fully hydraulic crawler compost turner combines the advantages of advanced international models with the needs of Chinese agriculture. Its compact design makes operation simple and reduces site requirements. The split lifting frame allows the machine to climb higher compost piles and makes turning more convenient. As a fully hydraulic model, it has virtually no mechanical wear, a very low failure rate and minimal maintenance requirements.

主要技术参数：（外形尺寸3000×4700×3660）

Main specifications (overall dimensions: 3000 × 4700 × 3660 mm)

翻堆机型号 Turner model	RY-YFD3500	额定功率(kw) Rated power (kW)	160
翻堆宽度(mm) Turning width (mm)	3500	最大扭矩（N·m） Maximum torque (N·m)	980
翻堆高度(m) Turning height (m)	1.7	最低燃油率（g/kw·h） Min. fuel use (g/kW·h)	≤228
履带宽度(m) Crawler width (m)	2×0.35	工作刀直径(mm) Blade diameter (mm)	930
堆积物间距(m) Spacing between piles (m)	0.6	最大处理能力(m^3/h) Maximum capacity (m^3/h)	1250
物料颗粒最大(mm) Max. particle size (mm)	Φ250	气缸数 Number of cylinders	6
转弯半径(mm) Turning radius (mm)	2000	气缸容积（L） Engine displacement (L)	5.9
前进速度(m/min) Forward speed (m/min)	0-10	电池（V） Battery (V)	12V/150A*2
后退速度(m/min) Reverse speed (m/min)	0-10	油箱容积（L） Fuel tank capacity (L)	140
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×3.5m(宽)×1.7m(高)÷2=1250方/时 7 m/min × 60 min × 3.5 m × 1.7 m ÷ 2 = 1250 m^3/h		
发动机品牌 Engine brand	东风康明斯6BTA8.3-C215(斯太尔) Dongfeng Cummins 6BTA8.3-C215 (Steyr)		



RY-LFD3500履带式翻堆机

RY-LFD3500 Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-LFD3500型履带式翻堆机是公司经过多年对有机肥生产的经验，结合新老用户建议，设计的液压升降履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了绞龙轴液压升降的专利设计，在移换工作场地或翻堆高度需要改变时，可升降调整绞龙与场地之间高度，让操作更便利化。

The RY-LFD3500 crawler compost turner was developed using our many years of organic fertilizer production experience and feedback from existing customers. Its compact design makes operation simple and reduces site requirements. The patented hinged hydraulic lifting system allows the auger to be raised and its ground clearance adjusted when moving between sites or changing the turning height, making operation more convenient.

主要技术参数：（外形尺寸2900×4750×3400）

Main specifications (overall dimensions: 2900 × 4750 × 3400 mm)

翻堆宽度(m) Turning width (m)	3.5	额定功率(kw) Rated power (kW)	132
翻堆高度(m) Turning height (m)	1.4	最大处理能力(m^3/h) Maximum capacity (m^3/h)	1029
履带宽度(m) Crawler width (m)	2×0.32	工作速度(m/min) Working speed (m/min)	5-7
堆积物间距(m) Spacing between piles (m)	0.6	转弯半径(mm) Turning radius (mm)	4350
物料颗粒最大(mm) Max. particle size (mm)	Φ250		
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×3.5m(宽)×1.4m(高)÷2=1029方/时 7 m/min × 60 min × 3.5 m × 1.4 m ÷ 2 = 1029 m^3/h		
发动机品牌 Engine brand	潍柴6105ZY Weichai 6105ZY		



RY-LFD3000履带式翻堆机

RY-LFD3000 Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-LFD3000型履带式翻堆机是公司经过多年对有机肥生产的经验，结合新老用户建议，设计出液压升降履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了绞龙轴液压升降的专利设计，在移换工作场地或翻堆高度需要改变时，可升降调整绞龙与场地之间高度，让操作更便利化。

The RY-LFD3000 crawler compost turner was developed using our many years of organic fertilizer production experience and feedback from existing customers. Its compact design makes operation simple and reduces site requirements. The patented hinged hydraulic lifting system allows the auger to be raised and its ground clearance adjusted when moving between sites or changing the turning height, making operation more convenient.

主要技术参数：（外形尺寸2800×4170×3250）

Main specifications (overall dimensions: 2800 × 4170 × 3250 mm)

翻堆宽度(m) Turning width (m)	3	额定功率(kw) Rated power (kW)	113
翻堆高度(m) Turning height (m)	1.3	最大处理能力(m^3/h) Maximum capacity (m^3/h)	819
履带宽度(m) Crawler width (m)	2×0.32	工作速度(m/min) Working speed (m/min)	5-7
堆积物间距(m) Spacing between piles (m)	0.6	转弯半径(mm) Turning radius (mm)	4250
物料颗粒最大(mm) Max. particle size (mm)	Φ250		
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×3m(宽)×1.3m(高)÷2=819方/时 7 m/min × 60 min × 3 m × 1.3 m ÷ 2 = 819 m^3/h		
发动机品牌 Engine brand	潍柴6105ZY Weichai 6105ZY		



RY-LFD2800履带式翻堆机

RY-LFD2800 Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-LFD2800型履带式翻堆机是公司经过多年对有机肥生产的经验，结合新老用户建议，设计出液压升降履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了绞龙轴液压升降的专利设计，在移换工作场地或翻堆高度需要改变时，可升降调整绞龙与场地之间高度，让操作更便利化。

The RY-LFD2800 crawler compost turner was developed using our many years of organic fertilizer production experience and feedback from existing customers. Its compact design makes operation simple and reduces site requirements. The patented hinged hydraulic lifting system allows the auger to be raised and its ground clearance adjusted when moving between sites or changing the turning height, making operation more convenient.

主要技术参数：（外形尺寸2800×4170×3250）

Main specifications (overall dimensions: 2800 × 4170 × 3250 mm)

翻堆宽度(m) Turning width (m)	2.8	额定功率(kw) Rated power (kW)	90
翻堆高度(m) Turning height (m)	1.2	最大处理能力(m^3/h) Maximum capacity (m^3/h)	705.6
履带宽度(m) Crawler width (m)	2×0.35	工作速度(m/min) Working speed (m/min)	5-7
堆积物间距(m) Spacing between piles (m)	0.6	转弯半径(mm) Turning radius (mm)	3650
物料颗粒最大(mm) Max. particle size (mm)	Φ250		
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×2.8m(宽)×1.2m(高)÷2=705.60方/时 7 m/min × 60 min × 2.8 m × 1.2 m ÷ 2 = 705.6 m^3/h		
发动机品牌 Engine brand	潍柴4108 Weichai 4108		



RY-LFD2600履带式翻堆机

RY-LFD2600 Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-LFD2600型履带式翻堆机是公司经过多年对有机肥生产的经验，结合新老用户建议，设计出液压升降履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了绞龙轴液压升降的专利设计，在移换工作场地或翻堆高度需要改变时，可升降调整绞龙与场地之间高度，让操作更便利化。

The RY-LFD2600 crawler compost turner was developed using our many years of organic fertilizer production experience and feedback from existing customers. Its compact design makes operation simple and reduces site requirements. The patented hinged hydraulic lifting system allows the auger to be raised and its ground clearance adjusted when moving between sites or changing the turning height, making operation more convenient.

主要技术参数：（外形尺寸2900×3950×3100）

Main specifications (overall dimensions: 2900 × 3950 × 3100 mm)

翻堆宽度(m) Turning width (m)	2.6	额定功率(kw) Rated power (kW)	88
翻堆高度(m) Turning height (m)	1.2	最大处理能力(m^3/h) Maximum capacity (m^3/h)	655.2
履带宽度(m) Crawler width (m)	2×0.35	工作速度(m/min) Working speed (m/min)	5-7
堆积物间距(m) Spacing between piles (m)	0.6	转弯半径(mm) Turning radius (mm)	3450
物料颗粒最大(mm) Max. particle size (mm)	Φ250		
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×2.6m(宽)×1.2m(高)÷2=655.20方/时 7 m/min × 60 min × 2.6 m × 1.2 m ÷ 2 = 655.2 m^3/h		
发动机品牌 Engine brand	潍柴4105 Weichai 4105		



RY-LFD2500履带式翻堆机

RY-LFD2500 Crawler Compost Turner

设备的主要用途及特点

Main applications and features

RY-LFD2500型履带式翻堆机是公司经过多年对有机肥生产的经验，结合新老用户建议，设计出液压升降履带式翻堆机，具有设计紧凑，操作简单，节省工作场地等特点。该机采用了绞龙轴液压升降的专利设计，在移换工作场地或翻堆高度需要改变时，可升降调整绞龙与场地之间高度，让操作更便利化。

The RY-LFD2500 crawler compost turner was developed using our many years of organic fertilizer production experience and feedback from existing customers. Its compact design makes operation simple and reduces site requirements. The patented hinged hydraulic lifting system allows the auger to be raised and its ground clearance adjusted when moving between sites or changing the turning height, making operation more convenient.

主要技术参数：（外形尺寸2790×3500×2700）

Main specifications (overall dimensions: 2790 × 3500 × 2700 mm)

翻堆机型号 Turner model	RY-LFD2500	额定功率(kw) Rated power (kW)	63
翻堆宽度(mm) Turning width (m)	2.5	最大转速(r/min) Maximum speed (r/min)	2200
翻堆高度(m) Turning height (m)	1.1	工作刀直径(mm) Blade diameter (mm)	Φ725
履带宽度(m) Crawler width (m)	2×0.28	最大处理能力(m^3/h) Maximum capacity (m^3/h)	577.5
堆积物间距(m) Spacing between piles (m)	0.6	电池(v) Battery (V)	12V/80A*2
物料颗粒最大(mm) Max. particle size (mm)	Φ250	工作速度(m/min) Working speed (m/min)	5-7
转弯半径(mm) Turning radius (mm)	3220		
处理能力计算 Capacity calculation	7m/min(速度)×60min(时间)×2.5m(宽)×1.1m(高)÷2=577.50方/时 7 m/min × 60 min × 2.5 m × 1.1 m ÷ 2 = 577.5 m^3/h		
发动机品牌 Engine brand	潍柴4102 Weichai 4102		



整槽式液压翻抛机

Hydraulic Trough Compost Turner

设备的主要用途及特点

Main applications and features

整槽式液压翻抛机的基本原理：液压系统利用液压泵将电机的机械能转换为液体的压力能，通过钢丝编织胶管将液体压力能传递给液压马达和液压缸，经过控制阀和管路的传递，使液压执行元件(液压缸和马达)把液体压力能转换为机械能，从而驱动绞龙回转，实现回转运动和直线往复运动。

整槽式液压翻抛机，采用全套液压系统，通过轴向柱塞泵、液压马达、分流阀、方向控制阀、集成液压阀、换向阀等，在输出同等功率的条件下传递运动均匀平稳，易于快速启动、制动，操作控制方便、省力，易于实现自动控制、过载保护。

The hydraulic trough compost turner uses a hydraulic pump to convert mechanical energy from the motor into pressure energy in the hydraulic oil. Steel-braided rubber hoses carry the pressurized oil to the hydraulic motors and cylinders. Control valves and pipelines regulate the flow, converting hydraulic pressure back into mechanical energy to rotate the turning shaft and move the machine.

Its fully hydraulic system includes an axial piston pump, hydraulic motors, flow divider, directional control valves, integrated hydraulic valves and reversing valves. With equal power input and output, it provides smooth, even movement, rapid starting and braking, convenient operation and low effort. Automatic control and overload protection are easy to implement.

整机性能参数：

Machine performance specifications

型号 Model	翻堆宽度（m） Turning width (m)	翻堆深度（m） Turning depth (m)	液压站电机功率(kw) Hydraulic pump motor (kW)	液压马达 Hydraulic motor	行走电动机功率(kw) Travel motor (kW)	移位车电动机功率(kw) Transfer trolley motor (kW)	行走调速范围(m/min) Travel speed range (m/min)	生产能力(m^3/h) Capacity (m^3/h)
RY-ZFP-40AY	3.74	≤1.1	22	GM2×2	3	2.2	0-6	246.84
RY-ZFP-40AY-2	3.74	≤1.5	37	GM2×2	3	2.2	0-6	291.72
RY-ZFP-40BY	3.74	≤1.5	55	GM3×2	3	2.2	0-6	336.60
RY-ZFP-50BY	4.74	≤1.5	75	GM3×2	3	2.2	0-6	426.60



RY-YLF叶轮式发酵翻抛机

RY-YLF Wheel-Type Fermentation Turner

设备的主要用途及特点

Main applications and features

RY-YLF(6-30)型叶轮式发酵翻抛机（以下简称翻抛机），是我公司专业生产的有机肥设备，主要用于有机废弃物生物发酵制造有机肥过程中，对发酵物料进行翻料、降温、增氧。

该机设计新颖、结构简单、结实耐用。电控系统具有自动化程度高等特点，分为自动、手动两种。根据用户需要可设计为60米内遥控操作。该机可根据贵单位物料厚度调整翻抛高度，具有翻料无死角、能耗低等特点。

The RY-YLF (6-30) wheel-type fermentation turner is an organic fertilizer machine manufactured by our company. It turns, cools and aerates organic waste during biological fermentation.

The machine has an innovative structure, simple design, robust construction and practical operation. Its electrical control system offers a high level of automation with both automatic and manual modes. Optional remote control is available with a range of 60 m. Turning height can be adjusted to suit the material layer, providing complete turning coverage and low energy consumption.

整机性能参数：

Machine performance specifications

型 号 Model	生产能力(m^3/h) Capacity (m^3/h)	纵向速度(m/min) Longitudinal speed (m/min)	横向速度(m/min) Transverse speed (m/min)	提升速度(m/s) Lifting speed (m/s)	绞笼速度(r/min) Rotor speed (r/min)	翻堆深度(m) Turning depth (m)
RY-YLF(6-30)	180-300	0-10	0-10	0.2	59	1.5-2.0

机电配置参数：

Motor configuration specifications

型 号 Model	纵向行走电机 Longitudinal travel motor	升降电机 Lifting motor	横向行走电机 Transverse travel motor	绞笼电机 Rotor motor	绞笼减速机 Rotor gearbox
RY-YLF(6-30)	1.5kw×4	3kw	1.5kw×4	180L-4 (22kw、45kw、75kw)	KA127-1:23-Y22KW-4P
RY-YLF(6-30)	1.5kw×4	3kw	1.5kw×4	180L-4 (22kw、45kw、75kw)	KA127-1:23-Y45KW-4P
RY-YLF(6-30)	1.5kw×4	3kw	1.5kw×4	180L-4 (22kw、45kw、75kw)	KA157-1:23-Y75KW-4P





RY-ZFP整槽式翻抛机

RY-ZFP Trough Compost Turner

设备的主要用途及特点

Main applications and features

RY-ZFP整槽式翻抛机是肥料机械设备机组的主要配套设备之一，适用于地槽式发酵，一次性翻抛省时及节省能源。是畜牧养殖业、城市垃圾、污水、污泥进行工业无害化处理的核心设备。

该机设计结构合理，效率高，能耗低，自动化程度高，使用方便，造价低廉，是深受用户欢迎的高效机型。

The RY-ZFP is a key machine in an organic fertilizer line. Designed for trough fermentation, it turns the full material layer in one pass to save time and energy. It treats livestock and poultry manure, municipal waste, wastewater and sludge.

High efficiency, low energy use, high automation, easy operation and low cost make it a popular model.

设备结构简介

Equipment structure

1、RY-ZFP整槽式翻抛机主机由2台摆线针轮减速机同步运行，双链轮链条驱动绞龙，部件受力平衡延长了零部件的使用寿命。

2、在翻抛过程中可根据物料的密度随时调整行走速度。行走采用一台电磁调速电机驱动蜗轮减速机运行，工作调速最低25-100mm/秒。翻抛完毕需空载返回工作位置时，可将绞龙液压升至1m离开物料，行走速度100-150mm/秒。

3、在翻抛工作中，空载返回翻抛位置和移位到另一发酵槽时，可操作液压升降系统升至合适高度，完成主机的运行及移位。

4、绞龙轴上的卡盘是固定绞刀专用，螺旋接触物料，降低负载。绞刀的翻抛一般可将发酵槽内的物料搅拌抛至1.5-2.5米远的距离。整槽翻抛一次见效，翻抛速度快搅拌均匀，并有破碎物料的功能，从而达到物料与空气的充分接触，使物料的发酵效果更好。

5、移位车是由电机、摆线针轮减速机、链轮、链条传动轴等组成，它是为翻抛机换槽提供的临时运载工具。

1. The main machine uses two cycloidal pinwheel reducers to drive the twin chain-wheel shafts synchronously. The two chain drives turn the rotor. A balanced beam structure extends the service life of components.
2. During turning, travel speed can be adjusted to suit material density. A variable-frequency travel motor drives a worm-gear reducer. Working speed is 25-100 mm/s. When returning empty after turning, the rotor can be hydraulically raised to 1 m above the material, with travel speed of 100-150 mm/s.
3. When returning after turning or transferring to another fermentation trough, the hydraulic lifting system raises the main machine to a suitable height for travel and transfer.
4. Flanges on the rotor shaft carry the turning blades. The spiral blade arrangement provides full material contact and reduces load. Material is generally thrown 1.5-2.5 m. One pass turns the entire trough evenly, breaks up lumps and aerates the material to improve fermentation.
5. The transfer trolley consists of a motor, cycloidal reducer, sprockets, chains and a drive shaft. It temporarily transports the turner between adjacent fermentation troughs.



主要技术参数

Main specifications

名称 型号 Name / model	RY-ZFP-40A	RY-ZFP-50A
翻堆宽度(m) Turning width (m)	3.76	4.76
翻堆深度(m) Turning depth (m)	≤1.0	≤1.0
液压站电机功率(kw) Hydraulic pump motor (kW)	3.0	3.0
主机电动机功率(kw) Main motor (kW)	11×2台 11 × 2 units	15×2台 15 × 2 units
行走电动机功率(kw) Travel motor (kW)	2.2	2.2
移位车电动机功率(kw) Transfer trolley motor (kW)	1.5	1.5
工作行走时速(m/h) Working travel speed (m/h)	≤60	≤60
处理能力(m^3/h) Capacity (m^3/h)	60(速度)×3.76(宽)×1(高)=225.60 60 × 3.76 m × 1 m = 225.60 m^3/h	60(速度)×4.76(宽)×1(高)=285.60 60 × 4.76 m × 1 m = 285.60 m^3/h
空运行最快(m/h) Empty travel speed (m/h)	360	360

主要技术参数

Main specifications

名称 型号 Name / model	RY-ZFP-40B	RY-ZFP-50B
翻堆宽度(m) Turning width (m)	3.76	4.76
翻堆深度(m) Turning depth (m)	≤1.5	≤1.5
液压站电机功率(kw) Hydraulic pump motor (kW)	3.0	3.0
主机电动机功率(kw) Main motor (kW)	22×2台 22 × 2 units	30×2台 30 × 2 units
行走电动机功率(kw) Travel motor (kW)	2.2	2.2
移位车电动机功率(kw) Transfer trolley motor (kW)	1.5	1.5
工作行走时速(m/h) Working travel speed (m/h)	≤60	≤60
处理能力(m^3/h) Capacity (m^3/h)	60(速度)×3.76(宽)×1.5(高)=338.40 60 × 3.76 m × 1.5 m = 338.40 m^3/h	60(速度)×4.76(宽)×1.5(高)=428.40 60 × 4.76 m × 1.5 m = 428.40 m^3/h
空运行最快(m/h) Empty travel speed (m/h)	360	360

RY-LC自动料仓系列

RY-LC Automatic Feeding Hopper Series

设备的主要用途及特点

Main applications and features

自动料仓是有机肥生产线不可缺少的设备之一，根据用户生产规模需求，我们生产的自动料仓壁采用全优质钢板焊接成型。为减轻用户投资，避免土建基础给用户增加投资和麻烦，一般设计为支腿结构，这样可根据用户场地任意调整位置，安装使用更方便。

为避免放料口发生堵塞现象，有利于控制放料量大小，放料口设计采用天圆地方，活动插板控制物料流量。拨料轴上的搅刀由摆线针轮减速机电机驱动，缓缓拨料，均匀的将有机肥物料放到皮带输送机，进入下一道工序。

随着当前有机肥生产规模的发展，我厂新研制出电磁震动给料，仓壁电磁震动。可控制流量大小，防止仓壁粘料等现象，并且放料均匀，用电少。与造粒机设备配套使用操作更方便，可准确测量出每小时的生产产量。

The automatic feeding hopper is an essential part of organic fertilizer production. Our hoppers are made from high-quality steel to suit customers' production needs. The self-supporting design avoids foundation costs and reduces investment, with outrigger feet that can be positioned and adjusted to suit the site for easy installation.

To prevent material bridging, control discharge and reduce dust, a round inlet and square outlet are used. Movable plates regulate material flow, while blades on the agitator, driven by a cycloidal reducer, spread organic fertilizer evenly onto a belt conveyor for the next process.

For larger production lines, we have developed a vibrating electromagnetic hopper wall system. It regulates flow and prevents material sticking. Uniform mixing, low power consumption and convenient integration with granulation equipment make operation easier and allow accurate calculation of hourly output.

主要技术规格及配套要求

Main specifications and configuration requirements

参数 Parameters / 型号 Model	RY-LCS2222	RY-LCS3023	RY-LCS3523	RY-LCS4023
尺寸(m) Dimensions (m)	2.2×2.2	2.3×3.0	2.3×3.5	2.3×4.0
功率(kw) Power (kW)	1.5	1.5	2.2	3.0
容积(m^3) Capacity (m^3)	2.6	3.8	4.4	5
减速机型号 Reducer model	XWD4--59	XWD4--59	XWD4--59	XWD4--59



RY-FS粉碎机系列

RY-FS Crusher Series

设备的主要用途及特点

Main applications and features

粉碎机是将大尺寸的固体原料粉碎至要求尺寸的机械，是当前有机肥等生产不可缺少的主要设备之一。RY-FS60型立式粉碎机适用于对有机肥发酵后粉碎、筛选后粉碎，应尽量避免物料中含有砖、瓦块等较大颗粒。

A crusher reduces large solid particles to the required size and is an essential machine in organic fertilizer production. The RY-FS60 vertical crusher is suitable for crushing fermented organic fertilizer and oversize screened material. Feed should be free of hard particles such as bricks and stones.

主要技术规格及配套要求

Main specifications and configuration requirements

机型 Model / Parameters	RY-FS60 立式粉碎机 RY-FS60 Vertical Crusher	RY-WFS7O 卧式粉碎机 RY-WFS70 Horizontal Crusher	RY-WFS80 卧式粉碎机 RY-WFS80 Horizontal Crusher
进料粒度（mm） Feed size (mm)	≥50		
粉碎粒径（mm） Crushed size (mm)	0.5-8		
转子直径（mm） Rotor diameter (mm)	610	720	820
粉碎室长度(mm) Chamber length (mm)	560	700	800
锤片数量（片） Number of hammers	3层x4片 3 rows × 4 hammers	2排x10片 2 rows × 10 hammers	2排x10件（锤头） 2 rows × 10 hammers
实用范围 Application	有机肥水分15%-35% Organic fertilizer moisture content: 15%-35%		
主轴转速(r/min) Main shaft speed (r/min)	1420		1480
生产量（t/h） Capacity (t/h)	3-6	8-15	10-25
配套功率（kw） Installed power (kW)	22	30	45
整机设备重量（Kg） Machine weight (kg)	630	1200	1400
设备外形尺寸：长*宽*高（m） L × W × H (m)	1600*1100*1950	2015*1300*1950	2150*1310*2220





料仓粉碎一体机

Integrated Hopper and Crusher

设备的主要用途及特点

Main applications and features

料仓粉碎一体机是有机肥生产线不可缺少的设备之一，主要将大尺寸的固体原料粉碎至要求尺寸，适用于对有机肥发酵后粉碎、筛选后粉碎。

根据用户生产规模需求，我们生产的料仓粉碎一体机组合搭配合理紧凑，转换、进出场地方便快捷，为用户减轻投资，避免土建基础给用户增加投资和麻烦，移动式的设计，可直接进入原料场地进行工作，减少原料的运输环节，从而节省了原料运输费用。

一体化机组配置中的柴油机除驱动行走外，还可以针对性的给流程系统配置机组联合供电。

The integrated hopper and crusher is an essential machine in an organic fertilizer production line. It crushes large solid feedstock to the required size and is suitable for crushing organic fertilizer after fermentation and screened oversize material.

Designed to suit customers' production scale, the integrated machine has a compact, practical layout for convenient relocation and fast entry to and exit from the work site. It reduces investment and avoids the extra cost and inconvenience of civil foundations. Its mobile design allows it to work directly at the raw material site, reducing handling and transport costs.

Besides powering the machine, the diesel engine can also supply electricity to the matching auxiliary equipment.

主要技术参数

Main technical specifications

外型尺寸（m） Overall dimensions (m)	长宽高 11.5*1.8*2.5 L × W × H: 11.5 × 1.8 × 2.5	时产（吨/时） Capacity (t/h)	30-40
配套动力 二选一 Power options - choose one	电机版 Electric version	4102柴油机(42K，57马力），空气滤芯 4102 diesel engine (42 kW, 57 hp), air filter	
	柴油版 Diesel version	30KW电机 30 kW electric motor	
大架和底盘 Frame & chassis	大架 底盘 Chassis	双结构12#10#8#6#槽钢 Combined No. 12, 10, 8 and 6 channel-steel frame	
		4条八成新650型号轮胎 Four model 650 tyres, 80% of new condition	
		牵引采用专用接头，可90度拐弯 Special towing hitch permits 90° turns	
破碎仓部分 Crushing chamber	尺寸 Dimensions	650mm*650mm	
	箱体 Housing	12mm	
	主轴 Main shaft	直径90mm，经调制热处理 90 mm diameter, tempered and heat-treated	
	动盘 Rotor disc	12mm厚，锰钢耐磨板 12 mm thick manganese wear-resistant plate	
	锤头/刀片 Hammers / knives	5公斤/块，一套20块；刀片60片 5 kg each; 20 hammers per set; 60 knives	
	锤轴 Hammer shaft	直径30mm，4行轴，45#钢 30 mm diameter, 4 rows, No. 45 steel	
	轴承 Bearing	22312型号迷宫密封 Model 22312, labyrinth seal	
进出料部分 Feeding and discharge	进料 Feeding	料斗尺寸 Hopper dimensions	3.4米*1.5米 3.4 m × 1.5 m
		下料口径 Discharge opening	宽60公分，高40公分 Width 60 cm, height 40 cm
		滚筒 Rollers	花辊 Profiled roller
		轴径 Shaft diameter	45mm
		轴承 Bearing	308
		皮带 Belt	7层尼龙皮带，长度为7米，宽70公分 7-ply nylon belt, 7 m long, 70 cm wide
		档位变速给料 Variable-speed feeding	4型四档变速给料 Model 4, four-speed adjustable feeding
		传动 Drive	前传动12A+后传动12A链条 Front drive: 12A chain; rear drive: 12A chain
	出料 Discharge	花辊 Profiled roller	独特设计，防止皮带偏移 Special design prevents belt misalignment
		轴径 Shaft diameter	45mm
		传动 Drive	16A链条+三角带传动 16A chain and V-belt drive
		轴承 Bearing	308
		皮带 Belt	7层尼龙皮带，长度为13.7米，宽70公分 7-ply nylon belt, 13.7 m long, 70 cm wide
		出料高度 Discharge height	3.5米 3.5 m



料仓滚筒筛一体机

Integrated Hopper and Trommel Screen

设备的主要用途及特点

Main applications and features

料仓滚筒筛一体机是有机肥生产中的常用设备，主要用于产品与返料的分离，可实现成品的分级，使成品均匀分类。一体机组合搭配合理紧凑，转换、进出场地方便快捷，避免土建基础给用户增加投资和麻烦，移动式的设计，可直接进入原料场地进行工作，减少原料的运输环节，从而节省了原料运输费用。

一体化机组配置中的柴油机除驱动行走外，还可以针对性的给流程系统配置机组联合供电。

The integrated hopper and trommel screen is commonly used in organic fertilizer production. It separates finished product from return material and grades finished product evenly into different particle sizes. Its compact, practical layout makes relocation and site access quick and convenient. The mobile design avoids the extra investment and inconvenience of civil foundations and allows the machine to work directly at the raw material site, reducing material handling and transport costs.

Besides powering the machine, the diesel engine can also supply electricity to the matching auxiliary equipment.

主要技术参数：

Main technical specifications

外型尺寸(m) Overall dimensions (m)	长宽高9.3*1.95*3.5 L × W × H: 9.3 × 1.95 × 3.5	工作效率（吨/时） Capacity (t/h)	80-100吨/时 80-100 t/h
配套动力 二选一 Power options - choose one	柴油版 Diesel version	1115柴油机 1115 diesel engine	
	电机版 Electric version	11KW电机 11 kW electric motor	
输送带尺寸（m） Conveyor belt dimensions (m)		长18米，宽1米 Length 18 m, width 1 m	
上料高度（m） Feed height (m)		3.5米 3.5 m	
出料高度（m） Discharge height (m)		3.5米 3.5 m	
筛网尺寸（m） Screen dimensions (m)		长3.5米　宽1米 Length 3.5 m, width 1 m	
筛网孔径（cm） Screen aperture (cm)		可定制，根据客户需求定制安装 Custom-made and installed to the customer's requirements	
清理方式 Cleaning method		标配甩条，可定制毛刷 Standard flailing bars; brushes available on request	
移动方式 Mobility		固定式，可定制移动式（轮胎为二手八成新的） Stationary version; mobile version available on request (used truck tyres, 80% of new condition)	



RY-GS滚筒筛分机

RY-GS Trommel Screen

设备的主要用途及特点

Main applications and features

滚筒筛分机是有机肥生产中的常用设备，主要用于产品与返料的分离，也可实现成品的分级，使成品均匀分类。采取组合式筛网，抱箍式固定筛网，便于维修与更换，该机结构简单，操作方便，运转平稳。

滚筒筛分机为防止物料堵塞筛网，配置有拍打装置。

The trommel screen is widely used in organic fertilizer production to separate finished product from return material and to classify finished product evenly by particle size. Its combined screen design is easier to service and replace than a fixed screen. The machine has a simple structure, is easy to operate and runs smoothly.

A beating device prevents material from blocking the screen apertures.

主要技术参数：

Main technical specifications

规格型号 Specification / model	筒体 Drum		转速 (r/min) Speed (r/min)	倾角(°) Tilt (°)	功率 (kw) Power (kW)	生产能力 (t/h) Capacity (t/h)	外形尺寸 Overall dimensions	重量 (t) Weight (t)
	直径(mm) Diameter (mm)	长度(mm) Length (mm)					长(mm)×宽(mm)×高(mm) L × W × H (mm)	
RY-GS3011	Φ1100	3000	18.4	4	3.0	2-5	4300×1500×3000	0.8
RY-GS4015	Φ1500	4000	12.5	4	4.0	5-8	5300×1900×3200	1.2
RY-GS6018	Φ1800	6000	11.7	4	5.5	10-15	6800×2800×4000	1.8



RY-ZL挤压造粒机

RY-ZL Extrusion Granulator

设备的主要用途及特点

Main applications and features

该机主要用于（生物）有机肥和养殖业加工行业的颗粒加工。该机加工的颗粒状物料表面光洁，硬度适中，在加工过程中温升低并能较好的保持原料内部各营养成分。由于颗粒含水量较低便于储存，大大提高物料的利用率。

项目投资省，设备流程短，占地少，上马快，安装灵活，操作简单，能耗低，动力效率产量高，采用60摄氏度以下的低温挤压颗粒工艺流程：一次挤压造粒成型率达90%以上，无返料无筛分，只要原料配方含水量适当，一般无需烘干设备。（如果挤压出来的颗粒成品需要加速自然冷却，可加装冷却机）即可计量包装。颗粒抗压强度大于8牛顿。

设备结构紧凑，质量稳定，适应24小时连续工作。平模与辊轮采用最新螺纹调隙装置，能减少平模与辊轮过快磨损，同传统的垫片方法相比，平模与辊轮使用寿命提高30%左右，深受广大用户青睐。

This granulator is mainly used to produce granules for (bio-)organic fertilizer and the animal farming industry. It produces smooth granules of moderate hardness. The small rise in temperature during processing helps preserve nutrients in the feedstock. The relatively low moisture content makes the granules easy to store and improves material utilization.

It requires little investment, has a short process flow and small footprint, and is quick to commission, flexible to install and easy to operate. Low power consumption and high productivity are achieved with extrusion at temperatures below 60 °C. More than 90% of the material forms granules in one pass, without return fines or screening. With a suitable formulation and moisture content, no other equipment is generally required. If cooling is needed, a cooler can be added for immediate packaging. Granule compressive strength exceeds 8 N.

The compact structure and stable quality suit continuous 24-hour operation. A new gap-adjustment device between the flat die and rollers reduces die and roller wear. Compared with the conventional shim method, die and roller service life increases by about 30%, earning broad user approval.

主要技术参数：

Main technical specifications

型 号 Model	颗粒直径 (mm) Granule dia. (mm)	颗粒含水量 (%) Moisture (%)	颗粒强度 (n/mm²) Strength (N/mm²)	产量 (t/h) Capacity (t/h)	功率 (kw) Power (kW)	重量 (t) Weight (t)	成粒率 (%) Granulation rate (%)	外形尺寸 (m) Overall dimensions (m)
RY-ZL37	5-10	25-35	≥8	1.3-4	37	1.6	≥90	1.8×0.8×1.2
RY-ZL55	5-10	25-35	≥8	2.0-6	55	3	≥90	2.45×1.05×1.7
RY-ZL75	5-10	25-35	≥8	2.5-8	75	3.5	≥90	2.6×1.05×1.7



RY-YPZL圆盘造粒机

RY-YPZL Disc Granulator

设备的主要用途及特点

Main applications and features

造粒盘盘角采用整体圆弧结构，成粒率可达93%以上。减速机与电动机采用柔性皮带传动，启动平稳，减缓冲击力，提高设备使用寿命。造粒盘驱动采用大模数硬齿面齿轮传动，提高了设备运行质量。造粒盘底采用多条辐射钢板焊接成型，坚固耐用，永不变形。加厚、加重、坚固的底座设计，不需要地脚螺栓固定，运转平稳。造粒盘角度的调整采用手轮调整，不需要任何工具即可，简单方便。本机有造粒均匀、成粒率高、运转平稳、设备坚固耐用、使用寿命长等优点，是广大用户选择的理想设备。

The disc has a full-arc rim and achieves a granulation rate of more than 93%. The reducer and motor use a flexible belt drive for smooth starting, reduced impact and longer equipment life. A large-modulus, hard-tooth-surface gear drives the disc and improves operating quality. The reinforced disc bottom uses multiple radiant steel plates for high strength and resistance to deformation. The thick, heavy base runs stably without foundation bolts. The disc angle is adjusted with a handwheel, so no tool is needed. The machine provides uniform granulation, a high granulation rate and smooth operation. Its sturdy construction, long service life and ease of use make it a preferred product for many users.

主要技术参数：

Main technical specifications

型号 Model	造粒盘直径(mm) Disc diameter (mm)	盘边高度(mm) Disc rim height (mm)	容积(m^3) Capacity (m^3)	转速(r/min) Speed (r/min)	电机功率(kw) Motor power (kW)	生产能力(t/h) Output (t/h)	减速机型号 Reducer model
RY-YPZL25	2500	500	1.5	15.3	7.5	1-1.5	JZQ350
RY-YPZL28	2800	500	2.0	15.3	11	1.5-2	JZQ350
RY-YPZL30	3000	600	2.5	15.3	11	2-3	JZQ400
RY-YPZL32	3200	600	3.0	15.3	11	2-3.5	JZQ400



RY-GTZL滚筒造粒机

RY-GTZL Rotary Drum Granulator

设备的主要用途及特点

Main applications and features

滚筒造粒机是在转动、震动、搅拌等作用下，使处于运动中的粉状物料通过喷淋装置湿润发生凝聚，从而达到适当颗粒状有机肥的生产设备，具有能耗低、寿命长、成球强度高、外观质量好、动力小、操作稳定、维修方便等优点。

In the rotary drum granulator, rotation, vibration and mixing cause wetted powder to agglomerate into granules. It is used to produce fertilizer granules of the required shape and size. Features include low energy consumption, long service life, a high granulation rate, good granule quality, low power demand, stable operation and easy maintenance.

主要技术参数：

Main technical specifications

型号 Model	内径(mm) Internal diameter (mm)	长度(mm) Length (mm)	转速(r/min) Speed (r/min)	产量(t/h) Capacity (t/h)	电动机型号 Motor model	功率(kw) Power (kW)
RY-GTZL1.2×6.0	1200	6000	12-15	1-3	YCT200-4B	7.5
RY-GTZL1.5×6.0	1400	6000	10-14	2-5	YCT225-4A	11
RY-GTZL1.8×8.0	1800	8000	8-12	5-8	YCT225-4B	15



RY-ZH转筒烘干机

RY-ZH Rotary Drum Dryer

设备的主要用途及特点

Main applications and features

转筒烘干机主要用于烘干　定湿度和粒度的肥料，同时也可用于其它物料的烘干。该机扬料板分布及角度设计合理，性能可靠，具有热能量利用率高，干燥均匀，清理物料次数少，使用、维修方便等特点。

筒体部分包括螺旋导料区、预热区、二次造粒区、组合抄板区、颗粒强化抛光区，内置式减噪振打器（防粘结）。

The rotary drum dryer dries fertilizer with a specified moisture content and particle size, and can also dry other materials. Rationally arranged internal lifters improve heat utilization and drying uniformity. It offers high productivity, easy cleaning, and convenient operation and maintenance.

The drum includes a spiral feed section, preheating section, secondary granulation section, combined lifting section, granule shaping and polishing section, and an internal self-cleaning section to prevent material build-up.

主要技术参数：

Main technical specifications

型号 Model		RY-ZH12120	RY-ZH15150	RY-ZH18180	RY-ZH20200
筒体 Drum body	内径(mm) Inner dia. (mm)	1200	1500	1800	2000
	长度(mm) Length (mm)	12000	15000	18000	20000
	转速(r/min) Speed (r/min)	4.7	5	3.9	3.9
生产能力 (t) Capacity (t/h)		2-2.5	3-5	5-8	6-10
电动机 Motor	功率(kw) Power (kW)	15	22	30	37
	转速(r/min) Speed (r/min)	1250	1250	1250	1250
减速机型号 Reducer model		ZQ400	ZQ400	ZQ500	ZQ650



RY-LQ冷却机

RY-LQ Cooler

设备的主要用途及特点

Main applications and features

冷却机用于冷却一定温度和粒度的肥料，与干燥机配套使用。可大大提高冷却速度，减轻劳动强度，提高产量，进一步去除部分水分和降低有机肥的粒温。同时也可用于其它粉状、粒状物料的冷却，该设备结构紧凑，冷却效率高，性能可靠，适应性强。

The cooler lowers the temperature of fertilizer with a specified moisture content and particle size. When used with a dryer, it greatly increases cooling speed, reduces labour intensity and improves output, while further removing moisture and lowering fertilizer granule temperature. It also cools other powders and granules. Its compact structure provides high cooling efficiency, reliable performance and broad applicability.

主要技术参数：

Main technical specifications

规格型号 Specification / model	功率(kw) Power (kW)	转速(r/min) Speed (r/min)	外形尺寸（mm） Overall dimensions (mm)	生产能力(t/h) Capacity (t/h)
1.2×12m	11	4	1500×2453×2305	2-3
1.5×15m	15	4	1800×2875×2560	3-5
1.8×18m	30	3.8	2300×2690×2870	5-8



RY-YH双轴预混机

RY-YH Twin-shaft Pre-mixer

设备的主要用途及特点

Main applications and features

双轴预混机混合速度快，均匀性好，可混合水分30%的粘性物料，工作时有两个旋相反桨叶转子中间搅动，由于桨叶有多个特殊角度，不论物料的形状、大小和密度如何，都能迅速有效混合，卸料速度快，残留量少。

The twin-shaft pre-mixer mixes quickly and uniformly and is suitable for sticky material with up to 30% moisture. During operation, blades on two parallel shafts rotate in opposite directions to mix the material intensively. The special multi-angle blade design effectively mixes materials of any shape and size. The machine discharges quickly and leaves little residue.

主要技术参数：

Main technical specifications

规格型号 Specification / model	转子直径(mm) Rotor diameter (mm)	生产能力(t/h) Capacity (t/h)	功率(kw) Power (kW)	重量(t) Weight (t)
RY-YH2507	380	5-15	11-18.5	1.5



颗粒定量单斗包装机

Single-hopper Granule Weighing and Packing Machine

设备的主要用途及特点

Main applications and features

主要特点：

Main features:

1、该机只需人工协助上袋、自动称量、自动输送、缝包；
2、采用重力给料方式，通过仪表控制，保证下料速度和精度；
3、解决一些特殊化工原料包装的难题，适用范围广，操作简单；
4、采用高精度传感器、高智能化称重控制器，计量精度高、性能稳定；
5、与物料接触部分采用不锈钢制作，防腐蚀性高；
6、电器和气动元件，使用寿命长，稳定性高；
7、控制柜采用密封形式，适用于恶劣的粉尘环境；
8、物料超差自动修正、零点自动跟踪、过量与欠量报警；
9、可选购自动缝包断线功能:光电感应自动缝包后气动剪线，节约人工。

1. Only bag placement is manual; weighing, conveying and bag sewing are automatic.
2. Instrument-controlled gravity feeding is fast and accurate.
3. Handles special chemical materials; widely applicable and easy to operate.
4. High-precision sensors and an intelligent weighing controller ensure stable, accurate weighing.
5. Stainless steel material-contact parts provide high corrosion resistance.
6. Electrical and pneumatic components provide reliable operation and long service life.
7. The sealed control cabinet suits dusty environments.
8. Automatic error correction and zero tracking, with overweighing and underweighing alarms.
9. Optional photoelectric bag sewing and pneumatic thread cutting reduce manual work.

主要技术参数：

Main technical specifications

称重范围(kg) Weighing range (kg)	允许误差(%) Permissible error (%)	称重速度(包/h) Weighing speed (bags/h)	配备气源(MPa) Air pressure (MPa)	总功率(kw) Total power (kW)	设备高度(mm) Equipment height (mm)
5-50	0.2	300-400	0.4-0.8	2.2	2750



单斗自动定量包装机

Single-hopper Automatic Weighing and Packing Machine

设备的主要用途及特点

Main applications and features

产品适用：用于饲料、肥料、粮食、淀粉、化工、食品，生物质能源等行业中颗粒物料的定量包装。

Applications: Quantitative packing of granules in the feed, fertilizer, grain, starch, chemical, food and biomass energy industries.

主要特点：

Main features:

1、该机只需人工协助上袋、自动称量、自动输送、缝包；
2、采用皮带传送给料方式，满足水分较大的混合物料或不规则物料的定量包装，独家设计防漏料装置，并配有除尘接口，保证下料速度快和精度高；
3、单钮启动，自动落料，实时计量，三段给速；
4、采用高精度传感器、高智能化称重控制器，计量精度高、性能稳定；
5、与物料接触部分采用不锈钢制作，防腐蚀性高；
6、电器和气动元件，使用寿命长，稳定性好；
7、控制柜采用密封形式，适用于恶劣的粉尘环境；
8、物料超差自动修正、零点自动跟踪、过量与欠量报警；
9、可选购自动缝包断线功能，光电感应自动缝包后气动剪线，节约人工。

1. Only bag placement is manual; weighing, conveying and bag sewing are automatic.
2. Belt feeding suits wet mixtures and irregular materials. Leak prevention, anti-blocking guides and the discharge opening ensure fast, accurate feeding.
3. One-button start, automatic discharge, real-time weighing and three-stage feeding.
4. High-precision sensors and an intelligent weighing controller ensure stable, accurate weighing.
5. Stainless steel material-contact parts provide high corrosion resistance.
6. Electrical and pneumatic components provide reliable operation and long service life.
7. The sealed control cabinet suits dusty environments.
8. Automatic error correction and zero tracking, with overweighing and underweighing alarms.
9. Optional photoelectric bag sewing and pneumatic thread cutting reduce manual work.

主要技术参数：

Main technical specifications

称重范围(kg) Weighing range (kg)	允许误差(%) Permissible error (%)	称重速度(包/h) Weighing speed (bags/h)	配备气源(MPa) Air pressure (MPa)	总功率(kw) Total power (kW)
10-50	0.2	200-300	0.4-0.8	2.3



双秤皮带自动定量包装机

Dual-scale Belt-fed Automatic Weighing and Packing Machine

设备的主要用途及特点

Main applications and features

产品适用：混合物料，粉体掺杂物料，不规则片状，块状物料（发酵有机肥，鸡粪肥，羊粪肥，饲料）

Applications: Mixed materials, powder-containing blends, irregular flakes and lumps, including fermented organic fertilizer, chicken manure, sheep manure and feed.

主要特点：

Main features:

1、两套称重系统下料系统、称重速度更快；
2、两个秤体交替称重，套袋卸袋的同时，不影响下料计量，节省 1/2 作业时间， 操作更加简易方便；
3、采用皮带给料方式，通过仪表控制，保证下料速度快和精度高；
4、下接料口为单口接料，自动落料，三速给料；
5、采用高精度传感器、高智能化称重控制器；
6、与物料接触部分采用不锈钢制作，防腐蚀性高；
7、电器和气动元件，使用寿命长，性能稳定；
8、物料超差自动修正、零点自动跟踪、过量与欠量报警；
9、可选购自动缝包断线功能，光电感应自动缝包后气动剪线，节约人工。

1. Two weighing and discharge systems provide faster weighing.
2. The two scales alternate. Bag changes on one scale do not interrupt the other, saving half the working time and easing operation.
3. Instrument-controlled gravity feeding is fast and accurate.
4. A single discharge outlet, automatic discharge and three-stage feeding.
5. High-precision sensors and an intelligent weighing controller.
6. Stainless steel material-contact parts provide high corrosion resistance.
7. Electrical and pneumatic components provide reliable operation and long service life.
8. Automatic error correction and zero tracking, with overweighing and underweighing alarms.
9. Optional photoelectric bag sewing and pneumatic thread cutting reduce manual work.

主要技术参数：

Main technical specifications

称重范围(kg) Weighing range (kg)	允许误差(%) Permissible error (%)	称重速度(包/h) Weighing speed (bags/h)	配备气源(MPa) Air pressure (MPa)	总功率(kw) Total power (kW)
10-50	0.2	450-600	0.4-0.8	4.4



人元生物
Renyuan Biotechnology

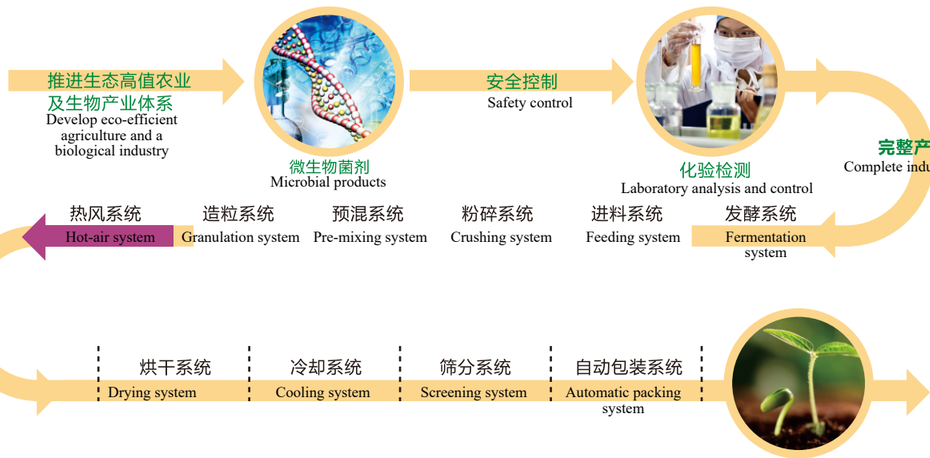
※ 农业的根本出路在于农业现代化，
农业现代化是国家现代化的基础和支撑。
Modernizing agriculture is the path forward for agricultural development and the foundation and support of national modernization.

※ 绿色是农业现代化的重要标志，
推动农业废弃物利用无害化处理
是推进农业发展绿色化的重要举措。
Green development is a hallmark of agricultural modernization.
Reusing and safely treating agricultural waste are key measures for greener agriculture.

※ 农业废弃物资源化利用无害化处理示范
是国家农业现代化绿色兴农的重大工程。
Demonstration projects for agricultural waste resource utilization and harmless treatment are major national initiatives for agricultural modernization and green development.

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能源管理体系认证 Energy management system certification