

Complete Project Of Wood Pellet Plant

The Mainly Process Includes: Crushing(Hammering) - Drying - Pelleting - Cooling Packing

Tech. Data

Capacity: 0.5t/hr~ 20 t/hr

Raw Materials: Wood sawdust, logs from soft wood

Product Diameter: 6mm or 8mm (optional)

Product Density: 1.1~1.3 kg/m³

Final Moisture: <8%

Note: The above data concerning capacity, consumption may vary depending on the origin, nature of the raw material.



GEMCO ENERGY



Best Service,
High Quality,
Competitive Price,
Timely Delivery.



企业文化

价值观：注重为客户提供满意的产品和服务。

企业精神：诚信高效、务实创新、协同进取、创造卓越。

企业使命：做卓越的生产商，打造知名品牌。

企业原则：实事求是，尽心尽力，共同发展。

Enterprise culture

Enterprise Value: Emphasize to afford satisfied products and service.

Enterprise Spirit: Honest and efficient, pragmatic and innovative, collaborative and aggressive, creative and prominent.

Enterprise Mission: To be excellent manufacturer and create well-known brand.

Enterprise Principle: Be practical and realistic, and try best to achieve mutual benefit with customers.

安阳吉姆克能源机械有限公司

公司简介

安阳吉姆克能源机械有限责任公司长年致力于生产成套生产线和各种农业机械。经过多年的发展，我们拥有了固定的国内外市场，并与外商进行密切的经济技术合作，使我们的系列机械设备远销国外。

在公司高效率的管理体系和专业的技术支持下，安阳吉姆克能源机械有限公司已经在国外50多个国家和地区安装和调试了各种成套生产线和综合设备，其中涉及不同的项目和领域。例如：木屑颗粒成套，饲料颗粒成套，生物工厂，制油成套，面粉成套等，我们出口的主要综合机械有：螺旋式榨油机，制粒机，生物压块机，面粉机，冷弯成型及其各种配件等。

Company Introduction

Anyang Gemco Energy Machinery Co., Ltd deals principally in manufacturing complete set of plants and equipments based on agricultural products. After years' development, we form individual department for import and export various mechanical products and foreign cooperation on economic and technical.

With high efficiency administrative system and professional technical support, Anyang Gemco Energy Machinery Co., Ltd has exported complete plants and general machinery to over 50 countries and regions involving projects in diverse fields such as wood pellet plant, feedstuff pellet plant, biomass plant, oil milling plant, flour milling plant etc. For general machines, we are mainly exporting screw oil mill, pellet mill, biomass briquetting machine, flour milling machine, roll forming mill and accessory equipments.



主要技术参数 Main Technical Date:

YZS-165榨油机 Screw oil press	
产量 capacity	15-20吨(T)/24小时(Hr)
动力 power	22-30千瓦(kw)

YZS-80A/100A/120A系列自动温控真空过滤螺旋榨油机是我厂为了满足广大用户获得高质量过滤油的需要而开发的。集加热、榨油、过滤为一体，可在压榨前对榨笼、榨螺、榨圈等部件进行加热、升温，在压榨过程中对毛油及时进行过滤。

The integrated Vegetable Oil Presses are advance model from the oil press. This kind of oil press includes motor, vacuum filter, heater and electric control cabinet. The assistant part can help the oil press with higher output. The function of the vacuum oil filter used to filtrate the crude oil which come out from oil press. They are an ideal choice for customers.

榨油机总体参数说明 Screw Oil Press Performance Index

原料 Raw Material	出油率 Extraction Rate	干饼残留率 Residue Rate of Dry Meal
花生 Peanut	40%---45%	6.5---7
芝麻 Sesame	44%---47%	6.5---7
菜籽 Rapeseed	33%---38%	6.5
棉籽 Cotton Seed	10%---18%	6.5
大豆 Soybean	10%---15%	6.5
葵花籽 Sunflower Seed	22%---25%	6.5---7

主要技术参数 Main Technical Date:

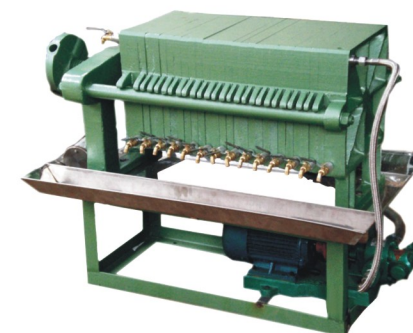
型号 Model	日处理量 Capacity per day	长度 Length	电压 Voltage	频率 Hz	电量 Electricity Volume	真空滤油机 Vacuum Oil Filter
80A	2-3吨(T)	1750	380V	50HZ	5.5千瓦(kw)	0.55千瓦(kw)
100A	4-5吨(T)	2000	380V	50HZ	7.5千瓦(kw)	1.2千瓦(kw)
120A	4-7吨(T)	2150	380V	50HZ	11千瓦(kw)	1.2千瓦(kw)

主要技术参数 Main Technical Date:

JMK-450-9真空滤油机 vacuum filter	
产量 capacity	8-10吨(T)/24小时(Hr)
动力 power	0.75千瓦(kw)



产品外观和颜色以出厂为准(The actual Appearance and color of the machines are all subject to the ex-factory products.)



板框滤油机

板框滤油机滤板、滤框、油泵和滤布等组成，采用齿轮泵供油，滤板和滤框间衬有作为过滤介质的滤布，凭借压紧装置的压力将滤板和滤框固定形成一个单独的过滤室，被压紧在滤板和滤框之间的滤纸或滤布起过滤作用，达到毛油的油和渣分离。

Plate Oil Filter made up of filter plate, filter frame, oil pump, and filter cloth adopts the gear pump to afford oil. The cloth is fitted between the oil filter plate and the filter frame, which formed into a single filtration chamber under the pressure of the compacting device. The filter cloth or paper compressed tightly between the plate and the frame is used to filter the residue from the oil.

主要技术参数 Main Technical Date:

型号 Model	过滤能力 (kg/h) Capacity	工作压力 (MPa) Working Pressure	配套动力 (kw) Power	滤板数 Filter Plate	滤板尺寸 (mm) Size
YLY-250	50-100	0.3-0.4	0.75	17	250*250
YLY-350	100-200	0.3-0.4	1.1	25	350*350



主要技术参数 Main Technical Date:

6BH-400B剥壳机 peanut sheller	
产量 (公斤/小时) Capacity(kg/hr)	400
动力 (千瓦, 单项电) Power(kw)	2.2

主要技术参数 Main Technical Date:

6GT-600B/700B 炒锅 roll frying pan		
滚筒最大直径 (mm) Diameter of pan	600	700
每锅炒料量 (kg) Capacity per lot	25-30	30-35
生产率 (kg/h) Capacity	80-100	100-120
配用动力 (kw) Power	Y90L-4 0.75	Y90L-4 0.75
外行尺寸 (mm) Outside dimension	1320×800×1240	1420×1150×1350



产品外观和颜色以出厂为准(The actual Appearance and color of the machines are all subject to the ex-factory products.)

粉碎机 Hammer Mill / Wood Chipper

TFS series Hammers mills are for grinding the Bio-mass like straw, stalk and wood chip, tree branch and forest waste to be powder of less than 3-5mm, which is right size before pelletizing and briquette.

It is also ideal machine for farming material like dry or fresh seeding of yam, peanut, rice and other plants, husks, maize, wheat, beans of all grain.

It has simple construction, convenient operation, high efficiency and low power consumption.



TFS420 (粉碎机 hammer mill without cyclone)



TFS420 (粉碎机 hammer mill with cyclone)

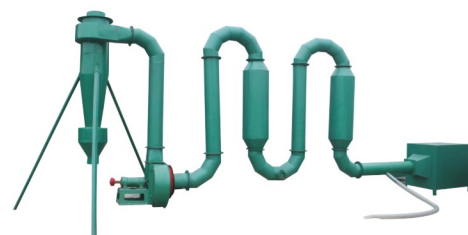
型号 Model	动力 (千瓦) Power (kw)	效率 (公斤/小时) Capacity (kg / Hr)
TFS158	1.5 KW 电机 1.5KW Motor	200 - 300
TFS420	7.5KW - 11KW 电机 7.5 KW 11 Kw Motor	550-700
TFS420	15马力柴油发动机 15 HP Diesel Engine	500-700
TFS420	22马力柴油发动机 22 HP Diesel Engine	800-1000
TFS500	22 KW 电机 22 KW Motor	1700-2000

烘干机 Dryer

The Moisture reducing rate of the dryer BHGJ-I, BHGJ-II, BHGJ-III is 8-12%. This dryer is equipped with one hot air boiler, it is suitable for drying raw material with moisture content less than 20-25%. If the moisture content of the raw material is higher than that, it will need several times of drying to achieve the requested moisture content for briquetting.



大型烘干机 Bigger Dryer with double stove



小型烘干机 Smaller Dryer with single stove

型号 Model	BHGJ-I	BHGJ-II	BHGJ-III
产量 (公斤 / 小时) Capacity(Kg/hr)	200-250	400-500	500-700
原料尺寸 (直径) Size of Input Material(Diameter)	< 3mm & < 5mm	< 3mm & < 5mm	< 3mm & < 5mm
Consumption of Wood Waste	15-20	25-30	30-35
功率 (鼓风机 + 关风锁) Power (Centrifugal Fan + Air Lock)	4kw+1.5kw	5.5kw+1.5kw	7.5kw+1.5kw

产品外观和颜色以出厂为准 (The actual Appearance and color of the machines are all subject to the ex-factory products.)

MOBILE BIOMASS PELLETIZING SYSTEM

Anyang GEMCO Energy Machinery Co.,Ltd produces biomass fuel machinery, and has developed portable biomass pellet plant that is workable for different raw materials in different areas.

JMK-G22 MICRO PELLETIZING PLANT

Removable biomass pellet plant (JMK-G22) consists of screw conveyor, 300 type pellet mill, drying & cooling system, vibrating sieve, air driven conveying system, dust collector, etc. It can be removed near to raw material and reduce transportation cost of raw material. It's excellent to be owned by a farm. Dimension the plant: 4200mm*2150mm*4300mm.

Key parameters:

Capacity: 200~300 kg/h Dia.6 mm pellet
 Pellet density: =1.1 g/cm³
 Raw material moisture: 12%~18%
 Pelletizing rate: =90%

Equipment list

Equipments that need engines:

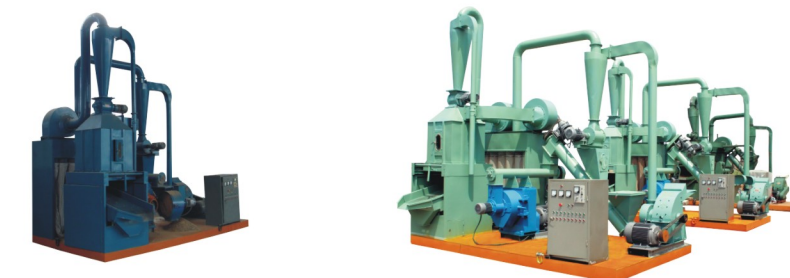
1. Pelletizing mill	1set	22KW
2. Secondary crushing machine	1set	11KW
3. Feeder of pelletizing mill	1set	1.5KW
4. Material inlet screw conveyor	1set	1.5KW
5. Cooler	1set	3KW
6. Fan	1set	3KW
7. Air lock	2set	0.75KW/set
8. Vibrating sieve	1set	0.75KW
9. Electrical control cabinet	1 set	
10. Wind pipes	1 unit	
11. Steel plate base	1 sets	
12. Dust Collector	1 set	



Pellet fuel

Total power: 43.5KW
 Total Weight: 3.5 Metric Ton

Photoes of plant



JMK-G22 Mobile Biomass Pelletizing System

产品外观和颜色以出厂为准 (The actual Appearance and color of the machines are all subject to the ex-factory products.)



主要技术参数 Main Technical Date:

YZS-68榨油机 Screw oil press	
产量 capacity	0.8-1吨(T)/24小时(Hr)
动力 power	5.5千瓦(kw)

Screw oil press



主要技术参数 Main Technical Date:

YZS-105榨油机 Screw oil press	
产量 capacity	4-7吨(T)/24小时(Hr)
动力 power	11-15千瓦(kw)



主要技术参数 Main Technical Date:

YZS-120/125榨油机 Screw oil press	
产量 capacity	5-8吨(T)/24小时(Hr)
动力 power	15千瓦(kw)



主要技术参数 Main Technical Date:

YZS-95榨油机 Screw oil press	
产量 capacity	4-5吨(T)/24小时(Hr)
动力 power	7.5千瓦(kw)

主要技术参数 Main Technical Date:

YZS-130D/6YL-130榨油机 Screw oil press	
产量 capacity	9-12吨(T)/24小时(Hr)
动力 power	15-18.5千瓦(kw)



主要技术参数 Main Technical Date:

YZS-100榨油机 Screw oil press	
产量 capacity	4-5吨(T)/24小时(Hr)
动力 power	7.5-11千瓦(kw)

主要技术参数 Main Technical Date:

YZS-160榨油机 Screw oil press	
产量 capacity	14-17吨(T)/24小时(Hr)
动力 power	18.5-22千瓦(kw)

饲料颗粒机 (Fodder Pellet Press)

ZLSP系列饲料平模制粒机,是我司通过多年不懈的努力最新研制出来的,它采用了比国内、外市场不同类机器更为先进的技术。具有投资少,操作简单,易于维护,出粒率高等优点,并且用户可以根据自己需要选择不同孔径和压缩比的配件。



ZLSP200B (带电机 with engine)

ZLSP series Pellet mill with flat die are our new developed machines. The machines have adopted advanced technology from congeneric Pellet mill in domestic and oversea markets. This machine is easy to operate and maintenance. Also is lower invest and higher capacity.



ZLSP230A (带柴油发动机 with diesel engine)



ZLSP300B (带CE电机 with CE engine)

饲料颗粒机产品参数 (Fodder Pellet Press Main Technical Data)

型号 Model	动力 (千瓦) Power (kw)	效率 (公斤/小时) Capacity (kg / Hr)
ZLSP120A	6-8马力柴油机 6-8 HP Diesel Engine	75-100
ZLSP120B	单相2.2KW电机, 三相3KW电机 2.2KW Motor, 380V, 50Hz, Single Phase / 3KW Motor, 380V, 50Hz, 3Phase	75-100
ZLSP150A	8-12马力柴油机 8-12HP Diesel Engine	100-150
ZLSP150B	三相3KW电机 3KW Motor, 380V, 50Hz, 3Phase	90-120
ZLSP200A	15-18马力柴油机 15-18 HP Diesel Engine	250-300
ZLSP200B	三相7.5KW电机 7.5KW Motor, 380V, 50Hz, 3Phase	200-300
ZLSP230A	22-24马力柴油机 22-24 HP Diesel Engine	300-400
ZLSP230B	三相11KW电机 11KW Motor, 380V, 50Hz, 3Phase	300-400
ZLSP260B	三相15KW电机 15KW Motor, 380V, 50Hz, 3Phase	400-600
ZLSP300B	三相22KW电机 22KW Motor, 380V, 50Hz, 3Phase	700-800
ZLSP360B	三相22KW电机 22KW Motor, 380V, 50Hz, 3Phase	700-900
ZLSP400B	三相30KW电机 30KW Motor, 380V, 50Hz, 3Phase	800-1100

木屑颗粒机 (Wood Pellet Press)

ZLMP系列木屑平模制粒机是我司随后研发的一款新型节能设备。该系列制粒机可以加工出表面光滑, 体态均匀的颗粒, 还有一定的硬度, 颗粒燃料又是一种清洁的可再生能源。因此, 生产、包装和储存, 运输都是十分方便的, 而且这款机器的操作非常简单。

Due to the rapid increase in the need of energy source, more people start to become interested in Biomass Pellet business. Biomass Pellet are Renewable, Eco-friendly Energy especially for agricultural countries. Biomass Pellet investment is a best project to generate revenue from agro-forestry waste and to produce Green Energy to protect the global environment. The awareness of using Eco-friendly & Non-conventional Bio-coal / Bio-fuel is increasing day-to-day due to the increasing of the conventional fuel cost.



ZLMP200B (带电机 with engine)



ZLMP230A (带柴油发动机 with diesel engine)



配件(spare parts: roller and flat die)

木屑颗粒机产品参数 (Wood Pellet Press Main Technical Data)

型号 Model	动力 (千瓦) Power (kw)	效率 (公斤/小时) Capacity (kg / Hr)
ZLMP120A	6-8马力柴油机 6-8 HP Diesel Engine	40-80
ZLMP120B	单相2.2 KW电机; 三相3 KW电机 2.2KW Motor, 380V, 50Hz, Single Phase / 3KW Motor, 380V, 50Hz, 3Phase	40-80
ZLMP150A	8-12马力柴油机 8-12 HP Diesel Engine	50-100
ZLMP150B	三相3 KW电机 3KW Motor, 380V, 50Hz, 3Phase	50-90
ZLMP200A	15-18马力柴油机 15-18 HP Diesel Engine	100-150
ZLMP200B	三相7.5 KW电机 7.5KW Motor, 380V, 50Hz, 3Phase	80-120
ZLMP230A	22-24马力柴油机 22-24 HP Diesel Engine	150-300
ZLMP230B	三相11 KW电机 11KW Motor, 380V, 50Hz, 3Phase	150-300
ZLMP260B	三相15 KW电机 15KW Motor, 380V, 50Hz, 3Phase	200-450
ZLMP300B	三相22 KW电机 22KW Motor, 380V, 50Hz, 3Phase	300-600
ZLMP360B	三相22 KW电机 22KW Motor, 380V, 50Hz, 3Phase	500-700
ZLMP400B	三相30 KW电机 30KW Motor, 380V, 50Hz, 3Phase	400-800