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坤宇温室工程有限公司
KUN YU Greenhouse Engineering Co.,Ltd.



扫一扫，二维码

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专注温室 服务三农

公司简介 Company introduction

坤宇温室工程有限公司是台湾独资企业，注册资金 500 万港币，依托 20 多年在台湾的温室技术及制作经验，专业从事各种温室工程的规划、设计、制作、安装及配套服务、蝴蝶兰、温室资材销售、农业科技园区规划。

公司温室技术精湛，搭建设计人员曾建造了台湾大部份温室工程，业绩遍及美国、香港、苏丹、哈萨克斯坦、印尼、加拿大、澳洲、泰国、南非、菲律宾、越南及大陆的上海、山东、河南、浙江、江苏、广西、福建、广东等大部份省市，深受业内人士的好评。

2002 年 9 月进入中国大陆市场，公司在广东顺德设有子公司，积极落实本土化生产。台湾专业技术、国内取材，品质优异，造价合理。我们不断追求完美及服务精神，结合先进技术，发展本土精致农业，使国内业界降低成本，提高市场竞争力，让永续经营的目标更趋扎实。

公司业绩

经过十几载的奋斗与进取，坤宇温室工程有限公司已是台湾目前最成功的温室建造企业，公司已掌握先进的温室建造技术。在雄厚的技术支持下，公司搭建设计人员建造了台湾大部份温室工程，业绩遍及了美国、加拿大、南非、越南、泰国、香港等地。

KUNYU Greenhouse Engineering Limited is owned enterprises in Taiwan, the registered capital of 5000000 HKD, relying on more than 20 years in Taiwan greenhouse technology and production experience, specialized in the greenhouse project planning, design, production, installation and support services, greenhouse materials sales, agricultural science and technology park.

Corporate greenhouse technology skills, building designers had built most of Taiwan greenhouse engineering, performance throughout the United States, Hong Kong, Sudan, Kazakhstan, Indonesia, Canada, Australia, Thailand, South Africa, the Philippines, Vietnam and mainland Shanghai, Shandong, Henan, Zhejiang, Jiangsu, Guangxi, Fujian, Guangdong and other provinces and cities the majority, praised by the industry.

In 2002 September to enter the Chinese mainland market. The company has subsidiaries in Guangdong Shunde actively implement the localization of production. Taiwan professional technology, domestic material, excellent quality, reasonable cost. Our constant pursuit of perfection and the spirit of service, a combination of advanced technology, the development of local agriculture, make domestic industry reduce costs, improve market competitiveness, make the goal of sustainable development more solid.

Company Performance

after ten years of struggle and enterprising, Universal Engineering Company Limited in Taiwan is currently the most successful greenhouse construction enterprises, the company has advanced the construction of greenhouse technology in strong technical support. The company set design, built most of Taiwan greenhouse engineering, performance throughout the USA, Canada, South Africa, Vietnam, Thailand, Hong Kong.

温室工程规格

结构单位

跨度有 6.2m、6.4m、8m、9.6m、10.8m
长度间隔以 4m 为一单位，可连栋天沟高为 3m、3.5m、4m

温室温度可调节指标：

外界温度 40℃时，温室内温度不超过 30℃
外界温度 -10℃时，温室内温度不低于 18℃

温室技术指标

风压： $\geq 0.5\text{KN}/\text{m}^2$ (100km/h~150km/h)

降雨： $\geq 140\text{mm}/\text{h}$

雪载： $>0.55\text{KN}/\text{m}^2$

恒载： $15\text{KG}/\text{m}^2$

吊挂荷载： $>20\text{KG}/\text{m}^2$

抗震等级：设防烈度 8 度

Greenhouse engineering specifications

Structural units

The type of span: 6.2m、6.4m、8m、9.6m、10.8m
Length of the interval of 4m as a unit, can be multi-span
Gutter high as 3m 3.5m 4m

The greenhouse temperature can be adjusted indicators:

- 1、When the outside temperature of 40℃ the temperature in the greenhouse dose not exceed 30℃
- 2、When the outside temperature of -10℃ not less than 18℃ temperature in the greenhouse

Greenhouse technology indicators

Wind Speed： $\geq 0.5\text{KN}/\text{m}^2$ (100km/h~150km/h)

Rainfall： $\geq 140\text{mm}/\text{h}$

Snow load： $>0.55\text{KN}/\text{m}^2$

Dead load： $>15\text{kg}/\text{m}^2$

Hanging load： $>20\text{kg}/\text{m}^2$

Seismic rating: 8 degrees of fortification intensity



Polycarbonate greenhouse



Glass greenhouse



Film greenhouse



Net greenhouse



The zigzag Greenhouse



Glass & PC Greenhouse



Net Greenhouse



Special - shaped Greenhouse

农业科技化 科技农业化



Glass & PC Greenhouse



Film Greenhouse

温室工程骨架

温室骨架材料选用优质型钢，钢架均采用热镀锌防腐处理，所有钢架均为一次加工成型，整体镀锌，无人工防锈处理热浸镀锌量面 350g/㎡以，保证十年不锈蚀，寿命大于 20 年，尤其适于高湿地区防结露结构设计。

Greenhouse project skeleton

Greenhouse reinforcing material made of high quality steel The steel frames are hot dip galvanized anti-corrosion treatment All steel frame are a molding process,the overall galvanized, no artificial rust treatment Hot-dip galvanized surface 350g/㎡ or more 10 years without rust guarantee ,life is more than 20 years, especially suitable for high humidity areas Anti-condensation structure design



圆拱型温室骨架



简易大棚骨架



文洛型温室骨架

披覆工程 Cover project



玻璃覆盖

1、浮法玻璃

Float glass

特点：外型美观

Feature: Beautiful appearance

透光性好

Good light transmission

保温能力较好

Better insulation capacity

结构重量大

Weight of the structure

易于保养和清洁

Easy maintenance and cleaning



薄膜覆盖

2、PEP 利得膜

PEP film

特点：抗紫外线

Feature:UV resistant

防尘

Anti-dust

3、中空板 (又称 PC 板)

特点：强度高，抗冲击性比玻璃高 200 倍

防火性能好

中空板的隔热性能优于单层玻璃

具有良好的透光性及耐热性

恶劣天气条件下，不易破碎和变形

易于保养和清洁

Hollow plate (Also known as polycarbonate)

Feature: High strength, impact resistance 200 times higher than glass

Good fire performance

Hollow plate heat insulation performance is superior to single-layer glass

Good light transmission and heat resistance
Adverse weather conditions, not broken and deformed

Easy maintenance and cleaning



PC 板覆盖

遮阳网工程 Shade project

遮阳系统分外遮阳系统、内遮阳系统和内保温系统。系统主要功能有：夏季遮阳、降温；冬季保暖。通过选用不同遮阳率的幕布，以满足不同作物对阳光的需求。针织网、百吉网，多门贯穿织法，抗脆化，强拉力，耐磨，耐撕，经久耐用，排齿机械转动性能稳定、平整、严密，可依光度时间设定控制。颜色有：黑色、绿色、透明。

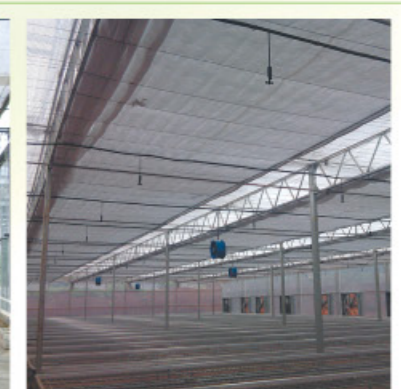
Shading systems exceptionally shading systems, within the shade and insulation system. The main function of the system are: summer shade, cooling; warm in winter. Curtain through the selection of different shading rate to meet the needs of different crops on the sun. Knitted net, the auspicious nets, far throughout the texture, anti-embrittlement of resistance, high tension, wear-resisting, tear resistance and durability, Row tooth machinery rotating stable performance, smooth, tight, according to photometric time setting control. Color: black, green, transparent



活动外遮阳



活动内遮阳



活动内保温



传动系统

减速机马达

马力：1/2HP, 1HP, 1.5HP

使用频率：50HZ

使用电压：220V/380V × 3 相

使用电流：1.95A/1.13A

转速：1380RPM

电机驱动拉网，可依光度时间控制

Marion: 1/2HP, 1HP, 1.5HP

Use frequency: 50HZ

Use of voltage: 220V/380V*3 phase

Current: 1.95A/1.13A

Rotate speed: 1389RPM

Motor-driven pull-net according to the luminosity time control

降温系统 Cooling system

采用进口或国产优质排风扇及高分子技术制成的水墙纸板搭配使用
Imported or domestically produced high-quality exhaust fan, Wet curtain made of carboard with the use of polymer technology

风扇效率
马力: 1HP 使用频率: 50HZ
使用电压: 220V/380×3 相
使用电流: 1.95A/1.13A
转速: 1380RPM

Fan efficiency
Marion: 1HP Use frequency: 50HZ
Use of voltage: 220V/380V*3 phase
Current: 1.95A/1.13A
Rotate speed: 1380RPM



水墙组

抽水马达: 1/2HP, 1HP, 2HP
侧窗: 保护水墙纸板, 兼具保温效果
水墙纸板: 180CM(150CM) × 60CM × 10CM(15CM)
水墙高度: 纸板 180cm(150cm) + 上下水槽 2 个 10cm(铝合金)

Wet curtain

Pump: 1/2HP 1HP, 2HP
Side windows: the protection of water wallpaper board, both the insulation effect
Wet curtain: 180CM(150CM)*60CM*10CM(15CM)
Wet curtain Height: cardboard 180CM (150CM)+up and down the sink two 10cm(aluminum alloy)



风机水帘降温



风机水帘降温



开窗通风降温



开窗通风降温



开窗通风降温

内循环系统 Internal Air Circulation System (Air circulation fan)

温室装有调节室内小气候的内循环系统,采用国产优质园艺专用内循环风机,具有噪音小,风量大,寿命长等特点。悬挂式安装,合理布局,能最大可能的打破温室内空气的热惰性,更好的维持温室内空气的一致性和稳定性,全部实现分时段间歇式自动控制

电压 V: 220
功率 KW: 0.25
频率 HZ: 50
转速 (r/min): 1400

Greenhouse equipped with the inner loop system to regulate the indoor climate, the domestic high-quality horticultural circulation fan, a low noise, large air volume long life characteristics. Hanging installation, rational distribution, to the greatest possible to break the thermal inertia of the air within the greenhouse better to maintain the consistency and stability of the greenhouse climate, all time periods intermittent automatic control

Voltage(V): 220V
Power(KW): 0.25KW
Frequency(HZ): 50HZ
Rotation speed(r/min) 1400r/min



活动植床工程 Activities seedbed system

1、用热浸镀锌铁材及阳极特殊处理铝材组立,方便操作及增加温室使用面积,温室面积利用率可达 80% 以上,活动式设计,以滚轴带动植床,结构合理、操作灵活,高度可在一定范围内调节,水平方向可以在任意两个相邻的植床间产生一个标准的作业通道,具防翻限位功能,植床网采用热浸镀锌处理铁网。

With hot dip galvanized iron material and anode special processing aluminum assemble with hot, easy to operate and greenhouse area. the greenhouse area of utilization of up to 80% or more activities designed roller to drive the plant bed, reasonable structure, flexible operation the height can be adjusted within a certain range. The horizontal direction between any two adjacent planting bed to the operating channel of a standard, with anti-turn limit functions, plant bed nets hot Qin galvanized iron net



2、台湾活动盘床因应国内产业的提升,借鉴荷兰等先进国家技术,结合国内的需求,在中兴大学陈加忠教授的指导下,本公司协同合作厂商(三能机械厂)共同研发了一套机械式活动盘床。这套设备主要优点为机械式搬运床架,节省大量的人力,以及方便喷水及淋农药。目前应用于世界兰业新建中。

Taiwan plate bed due to the promotion of industry, learn from Holland and other advanced countries technology, combining the domestic demand, In Professor Chen Jiazhong in Sunyuansun University under the guidance of the company, Cooperation Cooperative (three Machinery Factory) jointly developed a mechanical type movable beds. This equipment has the advantages of mechanical handling bedstead, save a lot of manpower, and convenient water and spraying pesticides. Applied to the world cymbidium in the new.



加温系统 Heating system

1、加温管道

采用国产优质圆翼型散热片。加温速度快，加温均匀，每条植床通常布置一条，主进水和回水管采用优质管材，合理布置。

Heating pipeline

The use of domestic high-quality circular a airfoil heat sink. Fast heating and uniform heating. Each planting bed is usually arranged a water main and return pipes made of high quality pipe,



2、储备加温系统：燃油（煤）加温机

Reserve heating system : Fuel (coal) heating machine



灌溉系统 Irrigation system



1、滴灌：即在每柱植物里面，插上一个小管，用时间控制，定时及定量的浇水和施肥。

Drip irrigation: In each column of the plants inside, insert the last tubular, with time control, timing and quantitative watering and fertilization.

2、喷灌：喷灌是利用喷头等，专用设备把有压水喷洒到空中，形成水滴落到地喷灌面和作物表面的灌水方法。

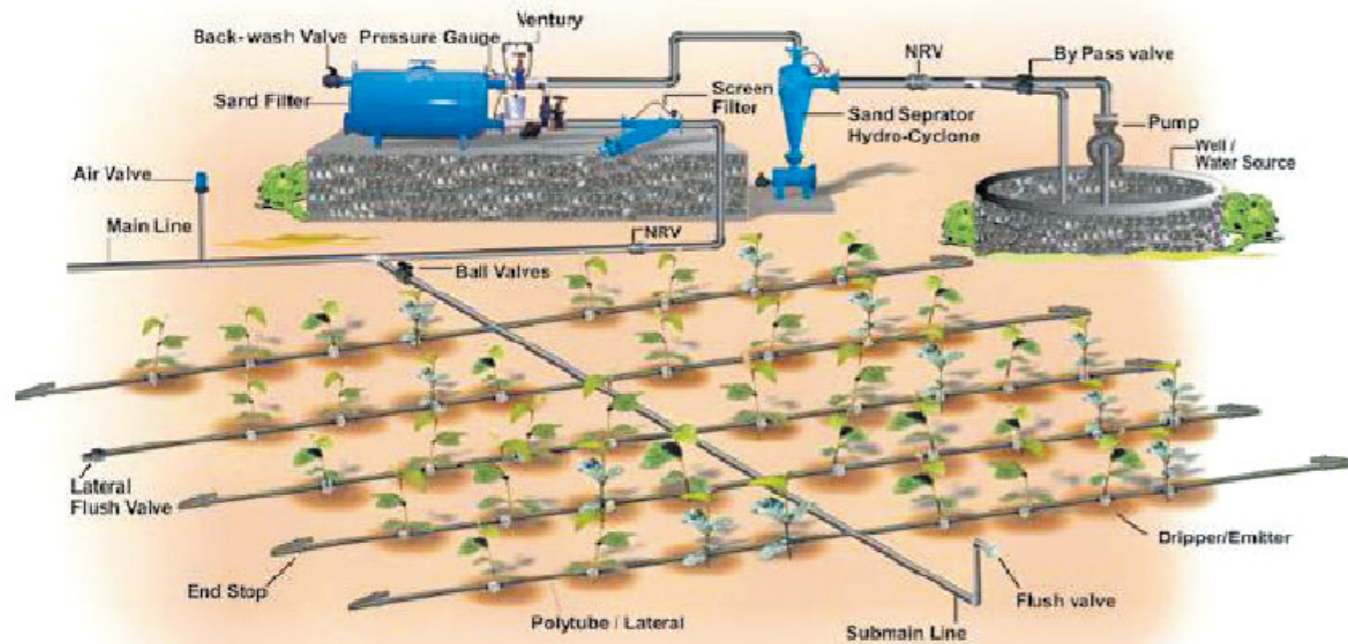
Sprinkler irrigation: Sprinkler irrigation is the special equipment to the nozzle pressure water spray into the air, forming water on irrigation methods and irrigation crops surface.



3、自走式灌溉：利用悬臂自走式洒水系统，可将大面积的植物栽培，在短时间内即可灌溉完毕。水嘴喷出水珠，可调整快慢、浇水次数、可设定喷水时间。

Self-propelled irrigation: using cantilever self-propelled sprinkler system, plants can be cultivated in large areas, in a short period of time can be irrigated. Nozzle jet beads, adjustable speed, the number of watering, can set the water time.

安装说明图 Installation Instructions Figure



控制系统 Control System

1、自动控制是现代温室环境控制的核心技术，控制采用优质电子元件精密组装，性能稳定，可实现对温室的内、外网、内保温系统、降温系统的电动和手动控制。手动、电动控制箱，能根据用户对不同的作物设置不同的温度，开启湿帘和风机。拉幕电机都配有两套接触器元件，既可手动控制开、停，又可通过行程开关实现自动停车。

Automatic control is the core technology of environmental control in modern greenhouses, control quality electronic components, precision assembly, with stable performance, can realize the automatic and manual control of the greenhouse inside, external, internal insulation system, cooling system. Manual, electric control box, according to the needs of user can set different temperature for different crops, open wet curtain and fan. Curtain motor is equipped with two sets of contact element, which can be manually controlled open, stop, and can realize the automatic parking by the travel switch.



2、采用 IC 自动控制系统，并配合感应器及定时控制，调整风扇，内网，侧面披覆，加温机及灌溉系统等，藉以控制温室内部环境，符合作物生长环境需求；提供作物最佳生长环境，节省管理之人工并提高经营质量。采用 ARGUS 计算机控制系统根据温度光度设定，自动控制温室内外网风扇、水墙、侧窗系统启闭。自动控制设定可分为自然降温设定，光度设定及感度设定，设立温度及光度的高低大小来控制风扇及内外网的开关，并藉由感度设定，在摄氏 0.5 度—1.5 度的温差内，做增加或减少风扇之运转组数以使用最少的能源达到最有效的降温方式。

The IC automatic control system, and with the sensor and the timing control, adjust the fan, intranet, side cover, heating machine and irrigation systems, so as to control the greenhouse internal environment, suitable for crop growth environment; provide the best environment for the growth of crops, saving management and improve the quality of the operating manual. According to the temperature control system is set buying ARGUS computer, automatic control greenhouse internal and external network fan, water wall, side windows open and close. Automatic control setting can be divided into natural cooling set, Luminosity setting and sensitivity setting, set up the temperature and luminosity or size to control fan and switch inner and outer net, and by sensitivity setting, at 0.5 degrees Celsius -- temperature 1.5 degrees, to increase or decrease the fan operation group of using minimal energy reached the most effective way to lower temperature.

生态温室 Ecological Greenhouse

无土栽培 Soilless Cultivate

无土栽培不用土壤，用其它物体培养植物的方法，包括水、雾（气）培、基质栽培。无土栽培能避免土壤传染的病虫害及连作障碍，与土壤栽培相比，又具有减少农药用量，提高作物产量和品质、省肥、省工、省水，不受土地状况限制的特点。

Soilless cultivation without soil, plants with other objects, including water, fog (gas) culture, media culture. Soilless cultivation can prevent soilborne diseases and continuous cropping obstacle, compared with the soil cultivation, but also can reduce the dosage of pesticide improve the yield and quality of crops, fertilizer, labor saving water saving, not land conditions limiting characteristics.

(1) 管道栽培 Pipe Culture



(2) 基质栽培 Substrate Culture



(3) 立柱栽培 Column culture



(4) 平面水培 Plane Hydroponics

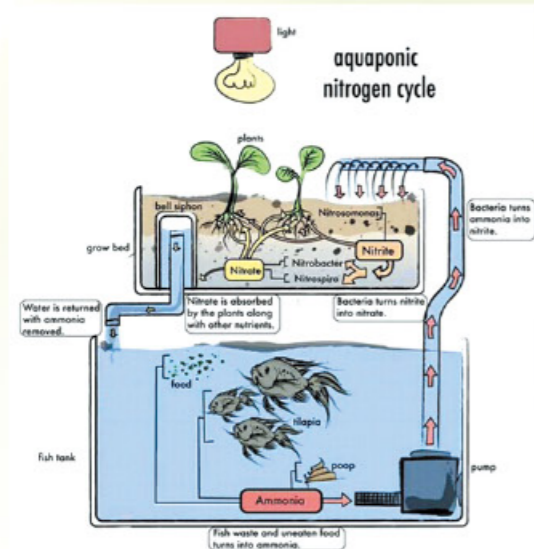


养殖温室 Cultivation Greenhouse



鱼菜共生系统 Aquaponics systems

鱼菜共生 (Aquaponics) 是一种新型的复合耕作体系, 它把水产养殖 (Aquaculture) 与水耕栽培 (Hydroponics) 这两种原本完全不同的农耕技术, 通过巧妙的生态设计, 达到科学的协同共生, 从而实现养鱼不换水而无水质忧患, 种菜不施肥而正常成长的生态共生效应。让动物、植物、微生物三者之间达到一种和谐的生态平衡关系, 是未来可持续循环型零排放的低碳生产模式, 更是有效解决农业生态危机的最有效方法



立体绿化植生系统 Ecology art green-wall

植生立体化, 系以自然、艺术、生态为主的概念, 跳脱过去既有的形式, 将花园朝向 3D 立体空间发展, 挑战景观设计的技术与创意。

Plants grow three-dimensional, Department of nature, art, ecology-oriented concept, escape the past in the form of existing, garden toward the development of the 3D space, landscape design challenges of technology and creativity.

五大特点 Feature

- 1、安装快速便捷, 各栽植槽无须另行配管。
- 2、灌溉、排水分流, 土壤病害不会交互感染。
- 3、独门的灌溉系统, 确保上下各栽植槽能平均供水。
- 4、隐藏式的灌溉、排水管道, 不易受到外力破坏。
- 5、独立的植栽系统, 植栽养护及更换容易。

- 1、The installation is quick and easy, each planted tank without additional piping.
- 2、Irrigation, drainage diversion, soil diseases do not interact with infection.
- 3、The unique irrigation system to ensure that the upper and lower grooves could mean for planting.
- 4、Hidden irrigation, drainage channels, less susceptible to external damage.
- 5、Separate planting systems, planting conservation and replacement easy.



有机肥种植 Organic fertilizer plant

在有机蔬菜生产体系中，作物秸秆、畜禽粪肥、豆科作物、绿肥和有机废弃物是土壤肥力的主要来源；作物轮作以及各种物理、生物和生态措施，是控制病虫害的主要手段。

In organic vegetable production system, crop straw, livestock and poultry manure, legume crops, green manure and organic waste is the main source of soil fertility; Crop rotation and a variety of physical, biological and ecological measures, is a major means of insects pests and control.



混合



有机肥种植

有机肥



使用有基肥种出来的蔬菜



使用有基肥种出来的蔬菜

国内工程项目

从 2002 年 9 月到目前国内工程已完工的部分工程项目

- 广州农业科学技术研究基地
- 湖南省委机关事务局
- 珠海农科中心
- 河南济源古轱生态苑
- 成都市第一农科所
- 上海市松江农业园区
- 上海鼎汉生物科技有限公司
- 厦门航空港花木有限公司
- 广东揭阳市第一农科所
- 深圳农科集团蔬菜科技有限公司
- 湖南省衡阳市现代农业科技示范园
- 福建漳州新湖生物科技有限公司
- 福建漳州杰腾兰业生物科技
- 河南三门峡市快丰收种子子公司
- 江苏镇江谏壁电厂
- 广东江门古斗城富兰花场
- 山东省淡水研究所
- 广州市第二工人疗养院
- 广东东莞植物园
- 山东滕州现代化农业示范园
- 浙江传化生物技术有限公司
- 深圳市光明农业高科技园
- 山东菏泽市水产局
- 惠州龙门长荣花卉科技有限公司
- 镇江蔬菜研究所
- 凯里天子山有限公司
- 贵州台金农业技术有限责任公司
- 贵州宏宇公司
- 浙江王文武集团玻璃温室
- 漳州钜宝公司
- 海南博大兰花有限公司
- 金华香蝶百合有限公司
- 翁源仙鹤花卉有限公司
- 湖北九合兰园农业发展有限公司
- 誉苍生物科技股份有限公司
- 佛山市禅城区南庄镇罗南集团有限公司
- 武汉市农业科学研究所
- 南宁市森汇木业有限责任公司
- 广东省龙门长荣花卉科技有限公司
- 山东东方花卉有限责任公司
- 广西桂台花卉有限公司
- 贺州市欣荣星林业有限公司
- 达观生技农业有限公司
- 福建华安高山基地
- 珠海市永茂农业有限公司
- 济南市淡水养殖科学研究所
- 广西壮族自治区国营雅长林场
- 佛山市顺德区七巧园艺事业有限公司
- 新疆昌吉国家农业科技园区现代农业创新园
- 广西桂台花卉有限公司
- 浙江金华香蝶百合种球有限公司
- 河池市林业科技研究所
- 芊美国艺有限公司

公司业绩

国外工程建设项目

- 台湾省 Taiwan
 - 台湾糖业公司
 - 巨扬园艺 (荷兰式自动盘床温室)
 - 世芥兰业 (荷兰式自动盘床温室)
 - 清波农牧企业股份有限公司
 - 农林厅种苗改良场
 - 金车生物科技中心
 - 台大观光兰园
 - 屏东台湾兰园
 - 育品兰园
 - 香斌兰园
 - 台湾农业试验所
 - 台糖 FISA 兰园
 - 台湾世华兰园
- 香港 Hong Kong
 - 香港水之园恒威水耕厂
 - 香港城市大学
 - 香港芊卉集团
- 美国 American
 - 纽约 NEW YORK
 - 旧金山 PREMIER HORTICUL INCORPORATION
 - 台大兰园 SANDIEGO 分场
 - 美国加州柳博士兰园
- 毛里求斯 Mauritius
 - FORTUNE EXPLORER INT' L LTD.
- 文莱 Brunei
 - K.N.NURSERY (B) SDN.BHD.
- 澳洲 Australia
 - 哈萨克斯坦 Kazakhstan
- 南非 South Africa
 - 印尼 Indonesia
 - 印尼国家公园 HALLMRGOUF
- 越南 Vietnam
 - 健丰农业生物科技有限公司