

ENSURE QUALITY & SAFETY OF AGRO-PRODUCTS

从田间到嘴边，农产品品质安全守护者

FROM FARM TO FORK

KEPLER INTRODUCTION

开浦介绍

公司成立于2015年, 为国家高新技术企业, 现有员工一百四十余人, 公司总部位于杭州未来科技城, 紧邻阿里巴巴全球总部。

2020年, 与浙江大学智能生物产业装备创新团队 (IBE) 建立浙江大学-开浦科技联合研究中心。

公司在浙江杭州、湖南益阳、四川眉山建有生产厂区, 厂区总面积超过21000平米。

Our company Zhejiang Kepler Technology Co., Ltd was found in 2015, and it is National High-tech Enterprise. There are more than 140 employees with our headquarter located in Future Science & Technology City, Hangzhou, China. It is very close to Alibaba global headquarter.

In 2020, Zhejiang University & Kepler Technology Joint Research Center was established. We tightly cooperate with Intelligent Biological Equipment Innovation Team (IBE) from Zhejiang University.

We have built three production plants in Hangzhou city, Zhejiang province, Yiyang city, Hunan province and Meishan city, Sichuan province. Total production area is more than 21000m².

国家高新技术企业

National High-tech Enterprise

浙江省股权交易中心 浙大科技板

Zhejiang University Science and Technology Board, Zhejiang Equity Exchange

21
件 (pcs)

发明专利
Invention patent

51
件 (pcs)

实用新型专利
Utility model patent

46
件 (pcs)

软件著作权
Software copyright



企业使命

从田间到嘴边, 农产品品质安全守护者

Our mission:

Ensure quality and safety of agro-products, from farm to fork.

企业愿景

全球农产品商品化技术装备引领者

Our vision:

To be a global leader of technology and equipment for commercialization of agro-products.

企业价值

客户至上 创新为本 志存高远 诚信笃行

Our values:

Customers, innovation, integrity and actions.



京东

美团

物美
WUMART

Alibaba Group
阿里巴巴集团

Walmart
沃尔玛

Carrefour
家乐福



KEPLER INTRODUCTION

开浦介绍

浙江大学-开浦科技联合研究中心

Zhejiang University & Kepler
Technology Joint Research Center



杭州总部

Hangzhou headquarter

占地面积3,000平方米
员工中60%为研发技术人员

Covers 3000m² and 60% employees
are research engineers

浙江基地

Zhejiang plant

占地面积3,500平方米

主要负责华东、华北果蔬智能分选装备
的生产、制造、安装和调试

Covers 3500m², mainly responsible for manufacturing,
installation and commissioning of fruit & vegetable intelligent
sorting machines in East China and North China

四川基地

Sichuan plant

占地面积12,000平方米

主要负责西南、西北果蔬智能分选装备
的生产、制造、安装和调试

Covers 12000m², mainly responsible for manufacturing,
installation and commissioning of fruit & vegetable intelligent
sorting machines in Southwest China and Northwest China

湖南基地

Hunan plant

占地面积6,000平方米

主要负责华中、华南果蔬智能分选装备
的生产、制造、安装和调试

Covers 6000m², mainly responsible for manufacturing,
installation and commissioning of fruit & vegetable intelligent
sorting machines in Central China and South China

Kepler
—— 开浦科技 ——

2016

推出基于机器人及传感器的
上下料搬运及检测技术解决方案

Launch for loading & unloading and
detection technology solution based on robot and sensor

2017

推出基于称重+机器视觉的
水果分级解决方案

Launch for fruit sorting solution
based on weighing + machine vision

2018

推出基于光学技术的
水果内部品质分级解决方案

Launch for fruit internal quality
sorting solution based on optical technology

2019

大规模部署节能环保果蔬烘干系统

Large-scale deploy energy-saving and
environmental fruit and vegetable drying system

2020

受让浙江大学“果蔬品质
无损检测和分级”系列发明专利

The invention patent of "Fruit and vegetable quality nondestructive
testing and sorting" system of Zhejiang University was transferred to Kepler

2020

推出柑橘类水果滚轮果托式
分选解决方案

Launch for rolling wheel type citrus fruit sorting solution

2015 **Kepler**

杭州开浦科技有限公司成立
Hangzhou Kepler was established

2020

与浙江大学智能生物产业装备创新团队 (IBE)
合作建立了浙江大学-开浦科技联合研究中心

Establish Zhejiang University & Kepler Technology Joint Research
Center with Intelligent Biological Equipment Innovation Team (IBE)
from Zhejiang University.

2020

推出易损类水果自由果托式
内外品质同步分选解决方案

Launch for free tray type interior and exterior
quality sorting solution of easy damaged fruit

2021

推出大尺寸瓜果自由果托式
内外品质同步分选解决方案

Launch for free tray type sorting solution of
big-size fruit interior and exterior quality

02

INTELLIGENT SOLUTIONS FOR SORTING FRUITS & VEGETABLES

果蔬智能分选解决方案

滚轮果托式果品光电智能分选系统 | 小型果

Rolling wheel type fruit optical sorting solution | small-size fruit

小型鲜果

small-size fresh fruit



坚果

nut fruit



机器视觉+近红外光谱技术进行检测选别
根据尺寸、形状、纹路、颜色、瑕疵分级

machine vision + NIRS detection
grading by size, shape, lines, color, defect

深度学习技术对产品标准自学习
降低设备操作维护难度

deep learning and self-learning product standard
reduce machine operation and maintenance difficulty

高速小型果智能分选装备
分选速度高于14个/秒

high speed small fruit sorting equipment
speed > 14pcs/second

技术参数	Technical parameters
通道数量 Lane quantity	1、2、4、6、8、12、..... 1.2.4.6.8.12...
出口数量 Outputs quantity	根据需求定制 as per demand
运行速度 Speed	>14个/通道/秒 >14pcs/lane/s
检测内容 Grading items	尺寸、形状、纹路、颜色、瑕疵 size, shape, lines, color, defect

INTELLIGENT SOLUTIONS FOR SORTING FRUITS & VEGETABLES

果蔬智能分选解决方案

球形水果
round fruit



滚轮果托式水果内外品质智能分选系统 | 中型果

Rolling wheel type fruit interior and exterior quality sorting solution | medium-size fruit



技术参数	Technical parameters
通道数量 Lane quantity	1、2、4、6、8、..... 1.2.4.6.8...
出口数量 Outputs quantity	根据需求定制 as per demand
运行速度 Speed	<8个/通道/秒 <8pcs/lane/s
检测内容 Grading items	尺寸、颜色、表面瑕疵、重量、形状、内部缺陷、糖度、酸度、糖酸比 size, color, exterior defect, weight, shape, interior defect, sugar brix, acid, sugar-acid ratio

INTELLIGENT SOLUTIONS FOR SORTING FRUITS & VEGETABLES

果蔬智能分选解决方案

易损水果
easily bruised fruit



自由果托式水果内外品质智能分选系统 | 中型果

Free tray type fruit interior and exterior quality sorting solution | medium-size fruit

技术参数	Technical parameters
通道数量 Lane quantity	1、2、4、..... 1.2.4...
出口数量 Outputs quantity	根据需求定制 as per demand
运行速度 Speed	3个/通道/秒 3pcs/lane/s
检测内容 Grading items	尺寸、颜色、瑕疵、重量、形状、内部缺陷、糖度 size, color, exterior defect, weight, shape, interior defect, sugar brix



INTELLIGENT SOLUTIONS FOR SORTING FRUITS & VEGETABLES

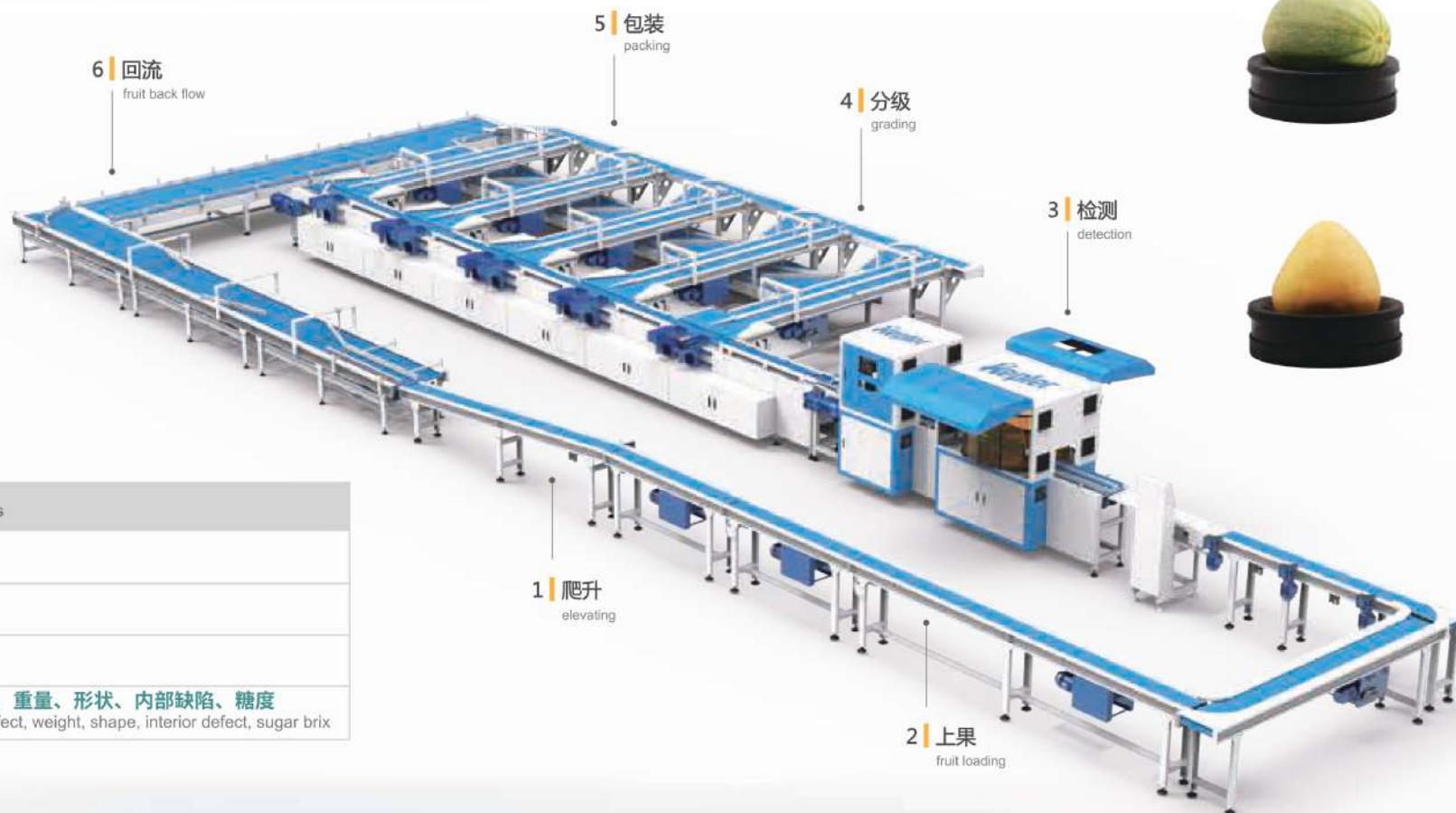
果蔬智能分选解决方案

自由果托式水果内外品质智能分选系统 | 大型果

Free tray type fruit interior and exterior quality sorting solution | big-size fruit

大尺寸瓜果

big-size fruit



技术参数

Technical parameters

通道数量 Lane quantity	1、2、4、..... 1,2,4...
出口数量 Outputs quantity	根据需求定制 as per demand
运行速度 Speed	2-3个/通道/秒 2-3pcs/lane/s
检测内容 Grading items	尺寸、颜色、瑕疵、重量、形状、内部缺陷、糖度 size, color, exterior defect, weight, shape, interior defect, sugar brix