

CHINA'S LEADING BELT-TYPE SORTING MACHINE



INTELLIGENT
SORTING SOLUTION
FOR FROZEN
VEGETABLES

HEFEI ANGELON ELECTRONICS CO., LTD.

Add: Building 6, NO.16 Hehuan Road, High-tech District, Hefei City, Anhui Province, China

Mobile&Whatsapp: +8618010853105 Email: been.cui@angelon.com.cn Tel: +8618056033098

<https://www.ajlong.cn>

COMPANY PROFILE

HEFEI ANGELON ELECTRONICS CO., LTD.

The company, formerly known as Hefei Angelon Intelligent Control Research Institute, which was founded in 2001, is a national high-tech enterprise integrating the research, development, production, and sales of color sorter products. In 2016, Angelon was listed on the National Equities Exchange and Quotations (NEEQ), becoming the first stock in the color sorter industry on the NEEQ, with stock code: 838092.

Since its establishment, the company has always focused on product R&D investment and technological innovation, gradually building a high-quality R&D team. It has applied advanced image recognition technology in the field of color sorters. The company's self-developed Angelon intelligent CCD color sorter features high sorting precision, low damage, and low carry-over rate. It is widely used in food, traditional Chinese medicine, renewable resources, minerals, and other fields, capable of color sorting, shape sorting, and AI (artificial intelligence) intelligent recognition.

The company adopts an asset-light operating model, with over 3,000 square meters of office space and over 7,000 square meters of production workshops. It has established a marketing network covering both domestic and overseas markets, with products exported to over 40 countries and regions in Europe, America, Africa, Southeast Asia, and the Middle East.

The company always adheres to the business philosophy of "quality first, service paramount" and upholds the spirit of innovation, lean production, and dedication, embodying the craftsman ethos. We carefully select high-quality food ingredients to ensure food safety, enhance the recycling and utilization rate of renewable materials to contribute to environmental protection, and identify ore characteristics from multiple dimensions to facilitate the transformation and upgrading of the non-metallic mining industry.

Excellence comes from outstanding talent. Angelon is determined to become a responsible Chinese enterprise, striving to create first-class Angelon color sorters and leading the Chinese color sorting industry to occupy the commanding heights of the world's color sorting system.



20 YEARS OF FOCUS ON
BELT-TYPE SORTING



100 TECHNICAL
PATENTS



EXPORTS TO 45
COUNTRIES AND REGIONS

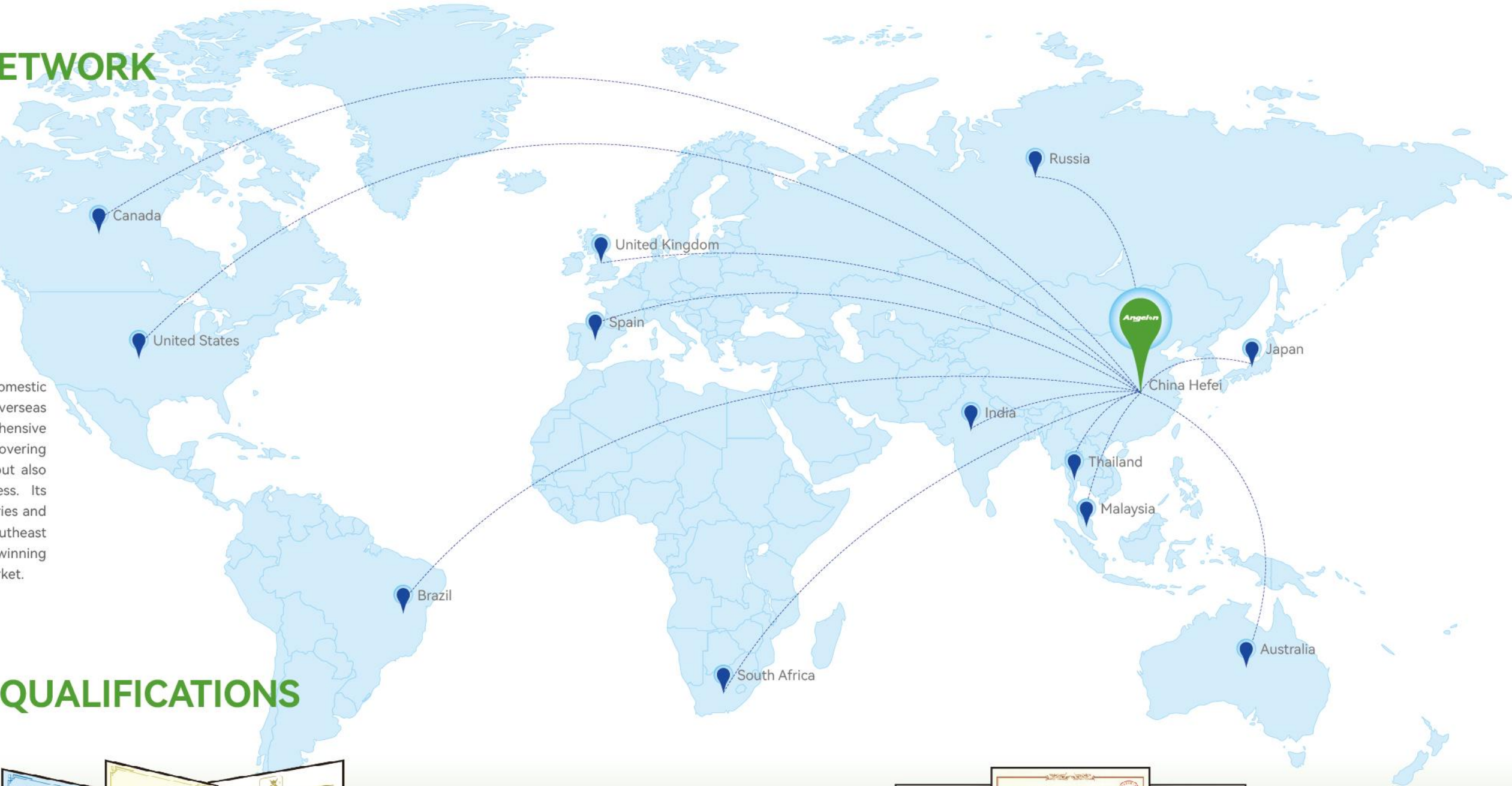
ANNUAL SALES
100+M



MARKETING NETWORK

EXPORTS TO 45 COUNTRIES AND REGIONS

Angelon not only deeply cultivates its domestic market but also actively expands its overseas business by establishing a comprehensive marketing system and service network covering various provinces and cities in China, but also actively expands its overseas business. Its products are exported to over 45 countries and regions in Europe, America, Africa, Southeast Asia, the Middle East, and other regions, winning wide recognition in the international market.



HONORS AND QUALIFICATIONS



Honor certificates: National High-tech Enterprise, Provincial Specialized, Fine, Unique and Innovative Enterprise, etc
Qualification certification: ISO series management system certification, CE certification



14 invention patents + 76 utility model patents + 10 design patents
100 TECHNICAL PATENTS

TECHNICAL ADVANTAGE

01 AI DEEP LEARNING ALGORITHM

Deep learning the characteristics of different material varieties, customize exclusive sorting models, and efficiently and intelligently identify subtle differences in color, shape, and texture among materials.

02 ULTRA-HIGH-DEFINITION VISUAL IMAGING SYSTEM

Equipped with an ultra-high-definition industrial camera and optical sensor, coupled with a professional-grade light source system, it ensures stable and clear image output even at high speeds.

03 DRY AND WET SORTING TECHNOLOGY

Innovative technology compatible with both dry and wet sorting, precisely adapting to materials of all humidity levels. It supports the sorting of both dry and wet materials, ensuring sorting accuracy and efficiency under all working conditions, and is suitable for a wide range of production and sorting scenarios.

04 MULTI-DIMENSIONAL SORTING TECHNOLOGY

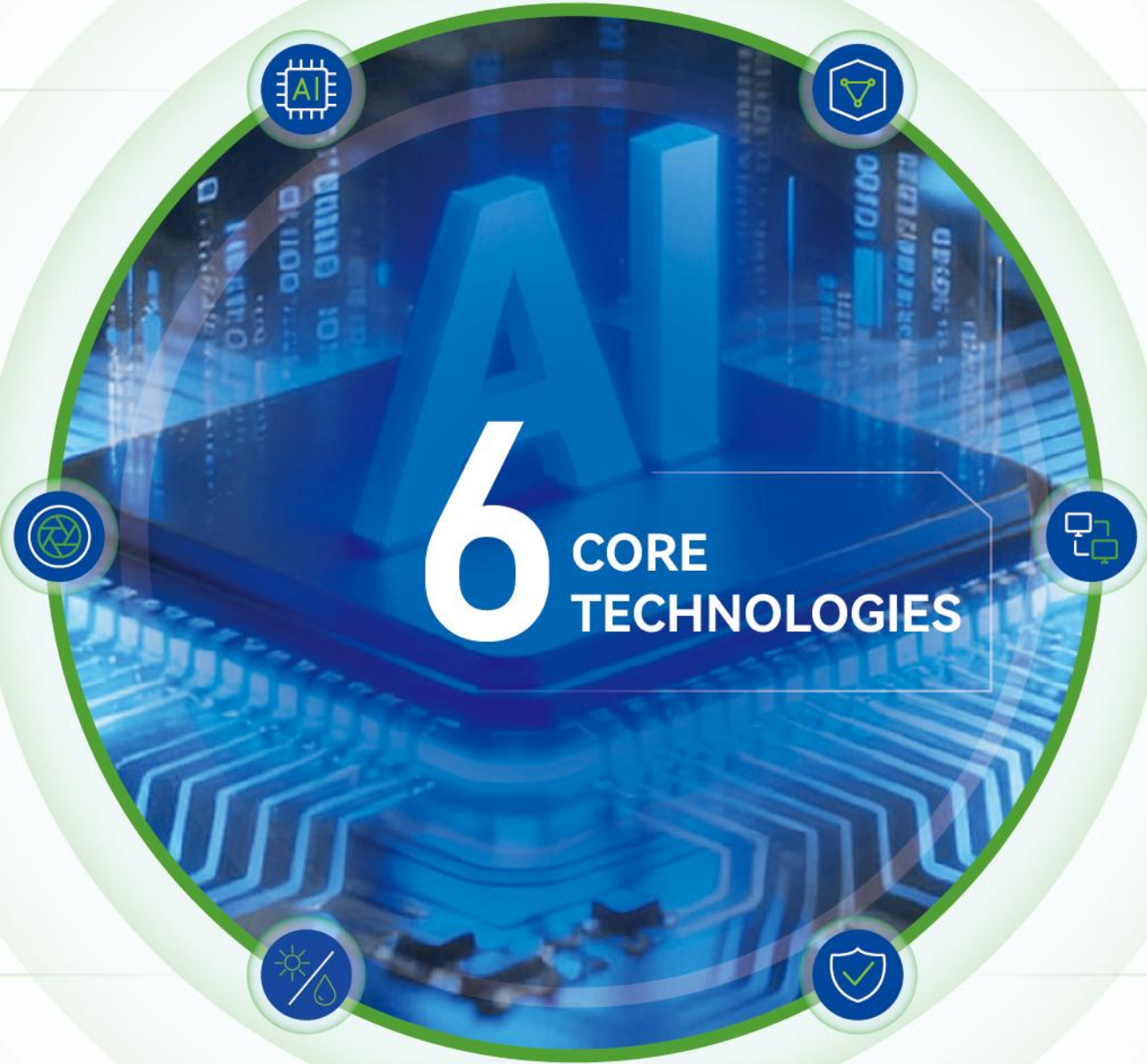
Equipped with a high-performance AI recognition system, it integrates color selection and shape selection, achieving more precise multi-dimensional intelligent sorting. One device meets the needs of multi-dimensional sorting, accurately recognizing color and shape, breaking the limitations of single sorting.

05 REMOTE DEBUGGING SYSTEM

It enables full-screen remote debugging, provides rapid response, reduces downtime, and enhances maintenance efficiency.

06 LOW-DAMAGE FLEXIBLE PROTECTIVE SYSTEM

The industry's first flexible belt-type conveyor system, featuring soft landing and flexible discharge, minimizes friction and collision with materials, ensuring safe and stable handling throughout the entire process.



PRODUCT INTRODUCTION

K2 SERIES



Core Technology

AI-powered

Utilizing advanced optical technology and equipped with AI algorithms, it intelligently identifies discoloration, foreign objects, and lesions in frozen vegetables, significantly enhancing the efficiency of removal.

Dry-wet separation

It can sort fruits and vegetables through processes such as water washing, quick freezing, and freeze-drying, broadening application scenarios, achieving seamless integration throughout the entire process, and saving energy and increasing efficiency.

Product Parameters

Product Model	Belt-type width (mm)	Throughput (t/h)	Selection rate (%)	Bring out the ratio (Bad: Good)	Total machine power (kW)	Power supply voltage (V)	Dimensions L*W*H(mm)	Machine weight (kg)
KS222-256S-AI	600	3	> 99	> 30 : 1	7.6	380V/50Hz	4967*1380*2429	1280
KS412-256S-AI	1200	5	> 99	> 15 : 1	5.8	380V/50Hz	4589*1800*1970	960
KS422-512S-AI	1200	5	> 99	> 30 : 1	7.5	380V/50Hz	4615*2040*2506	1700
KS612-384S-AI	1800	8	> 99	> 15 : 1	6.7	380V/50Hz	4956*2400*1965	1200
KS622-768S-AI	1800	8	> 99	> 30 : 1	12.5	380V/50Hz	5260*2660*2515	2210

*Note: The above color selection performance is exemplified by quick-frozen corn with impurity content below 10%. Specific parameters may vary depending on the environment, material, and impurity content.

SORTING DEMONSTRATION

FROZEN EDAMAME PODS



Raw material Good material Defective material

FROZEN CORN KERNELS



Raw material Good material Defective material

FROZEN BROAD BEANS



Raw material Good material Defective material

FROZEN CAULIFLOWER



Raw material Good material Defective material

SORTING DEMONSTRATION

FROZEN EDAMAME BEANS



FROZEN GREEN PEAS



FROZEN SHEPHERD'S PURSE



FROZEN GREEN BEANS



SORTING DEMONSTRATION

FROZEN BLUEBERRIES



CRANBERRY



FREEZE-DRIED STRAWBERRIES



COFFEE CHERRY



SORTING DEMONSTRATION

DEHYDRATED GREEN BEANS



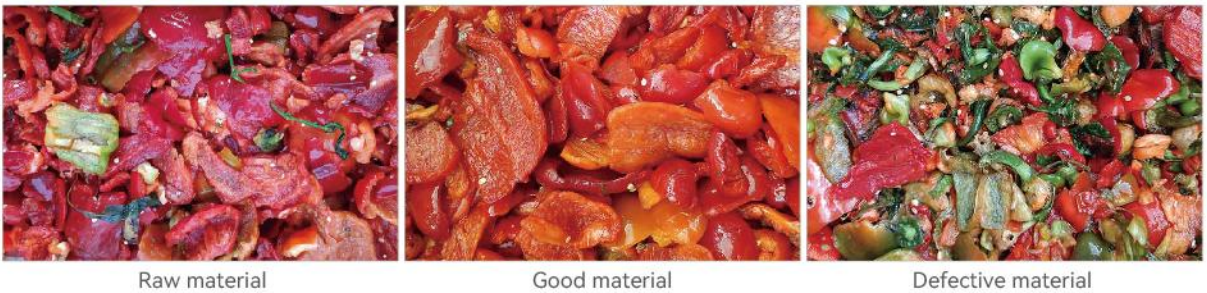
DEHYDRATED GREEN ONION FLAKES



DEHYDRATED CARROT



CLEANED CHILI PEPPERS



CUSTOMER CASE



Product value

Cost reduction and efficiency improvement: automated intelligent sorting, unified material sorting standards, and increased production efficiency.

Energy saving and environmental protection: optimize equipment energy consumption, reduce material waste, and enhance the value of resource utilization.

Investment Return: Low operation and maintenance costs, long equipment lifespan, and stable operation bring continuous benefits.

Industry Upgrade: Technology empowers material quality improvement, promoting intelligent transformation of the industry.

AFTER-SALES SERVICE

Angelon's after-sales service adheres to the philosophy of 'quick, professional, and reliable,' relying on an experienced and rigorously trained and certified team of professional engineers, providing a comprehensive after-sales network nationwide, and ensuring service professionalism.



 **SERVICE HOTLINE 400-0551-121**

 **AFTER-SALES HOTLINE 153 3969 3576**