AMD

Company Profile

Anhui Zhongke Optic-electronic Color Sorter Machinery Co., Ltd.
Stock Code: 603011

www.amdsortex.com

TABLE OF CONTENT

BRIEF INTRODUCTION	Company Brief Introduction, Company Scene
PRODUCTS & SERVICES	Sorting Equipment For 6 Main Fields Personalized Sorting Solution Provider
OUR ADVANTAGES	Development History, Certificate of honor, Core Technology, Global Sales Network, Manufacturing Plant
CASES HISTORIES	Some Sorting Cases For Your Reference
CUSTOMER SUPPORT	Pre-sales Consultation & Guidance, Equipment Installation & Commissioning, After-sales Maintenance & Training

PART 1

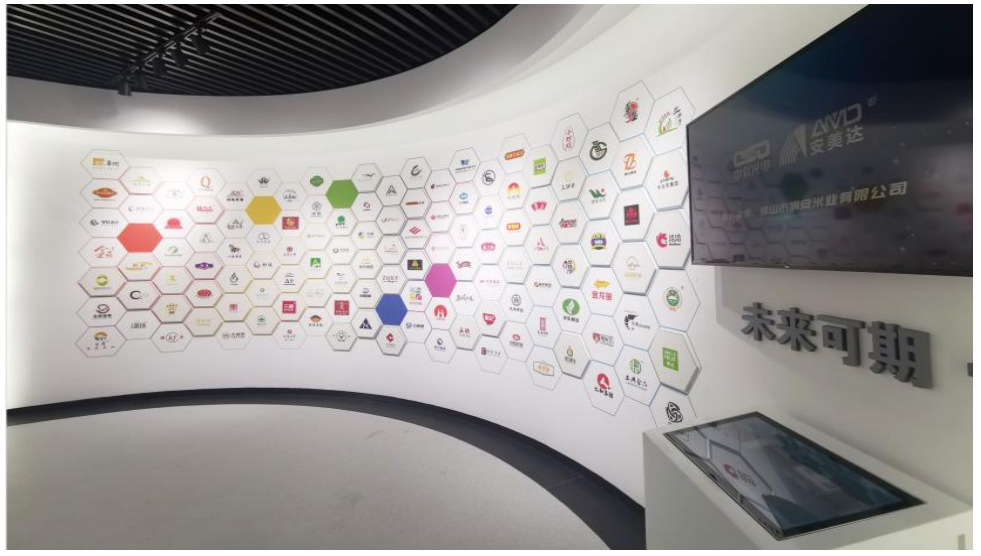
BRIEF INTRODUCTION

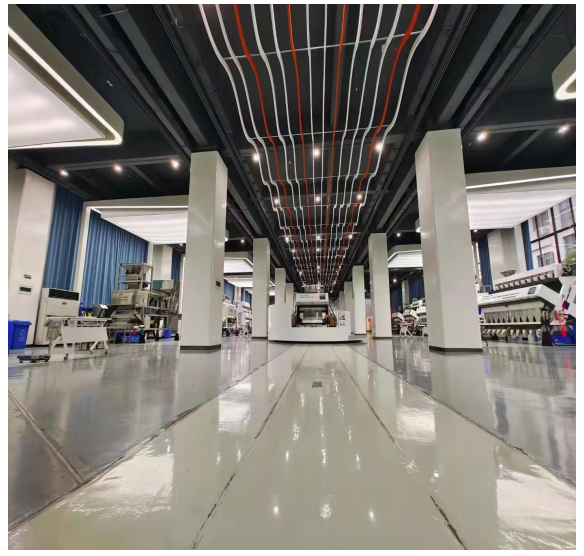
Brief introduction of Zhongke AMD, Company scene

Company Brief Introduction

Anhui Zhongke Optic-electronic Color Sorter Machinery Co., Ltd. is a high-tech enterprise specializing in R&D, production and sales of intelligent sorting equipment. The company is located in Hefei, China, covering an area of 150,000 square meters with a total investment of 20 million USD. After more than 20 years of development, Zhongke has become a large-scale intelligent sorting equipment production base with 800+employees and annual sales revenue of 100+ million US dollars. "Color sorting, we are everywhere" is the pursuit and commitment of Zhongke to color sorting technology. "AMD" series of intelligent color sorters ranked Top 3 in the domenstic market and successfully exported to 70+ countries and regions. "AMD" brand was identified as "China Famous Trademark". In 2015, the company was listed in Shanghai Stock Exchange.

Company Scene





PART 2

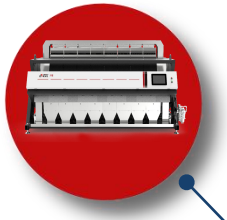
PRODUCTS&SERVICES

Sorting equipment for 6 main fields
Personalized sorting solution provider

Key Products

Plastic Color Sorter

Plastic flakes, pellets, bottle color sorter & polymer seperator



Rice Color Sorter

Sorting of miky white rice, broken rice, yellow and white rie, other color rice, light yellow rice, plastic, quartz sand and other impurities.

Ore Color Sorter

Powder, large particles, small particles, dry particles, and wet materials sorting machines

PRODUCTS

(6 Main Fields)

Nuts Color Sorter

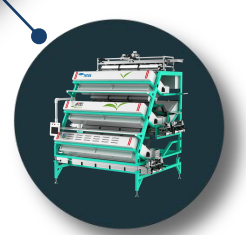
Sorting solutions for all kinds of nuts, including kernel shell separation, empty fruit detection, foreign body detection.

Grain Color Sorter

Specialized for Seeds, Beans, Wheat and Grains, Spices, Preserved Fruit and Seafood Sorting

Tea Color Sorter

Sorting tea flakes, stalk, yellow flakes, and other impurities during the processing of green tea, black tea, and yellow tea.



Key Products

AMD PLASTIC COLOR SORTER

Gép-T I Series

Plastic Polymer Sorter

Integrating 6 core technologies, AMD I series machine is specially designed for identifying and sorting different plastic polymers with the same color.

Gép-T V Series

Plastic Flakes Color Sorter

Integrating advanced visible light sorting technologies, V series sorting machine can realize color sorting of plastic flakes of PE, PET, ABS, PC, PP and other materials.

Gép-T U Series

Aging PET Flakes Sorter

Customized high-precision optical system can accurately identy and seperate the fluorescent PET flakes and aging PET flakes.

Gép-T Series

Plastic Bottles Sorter

6 core technologies including customized near-infrared sensor, micron-level identification system, Intel's fifth generation FPGA chip... which can realize accurate sorting of plastic bottles with different colors, polymers and aging.

LD3C

Belt Type Plastic Sorter

This optical sorter is specifically designed for sperating the plastic pellets.The raw materials are fed into the conveyor belt at a carefully controlled rate, which effectively prevents the plastic particles from jumping out.

Key Products

AMD GRAIN COLOR SORTER

RC SERIES

Multi-Purpose Color Sorter

Suitable for sorting all kinds of grains, wheats, corns, beans ,nuts and seeds etc.

CV SERIES

Specialized For Heavy Dust Materials

Integrating advanced visible light sorting technologies, it is mainly used for sorting of all kinds of heavy dust grains, corns, peanuts and raisins etc.

I SERIES

Infrared Color Sorter

Through infrared technology, this I series sorting machine can effectively identify and separate nut kernels and shells.

LG SERIES

Belt Type Color Sorter

LG series nuts color sorter is mainly used for seperate all kinds of irregular shape and easy broken grains.

P-LG SERIES

Deep Learning AI Sorter

Adopting 12 core technologies, P-LG series belt type sorter can realize the multi-dimensional and multi-characteristic identification of materials.

Key Products

AMD NUTS COLOR SORTER

CV SERIES

Specialized For Heavy Dust Materials

Integrating advanced visible light sorting technologies, it is mainly used for sorting of all kinds of heavy dust grains, corns, peanuts and raisins etc.

P-LG SERIES

Deep Learning AI Sorter

Adopting 12 core technologies, P-LG series belt type sorter can realize the multi-dimensional and multi-characteristic identification of materials. Meet your more stringent sorting needs.

XS SERIES

Foreign Materials Detector

Through X-ray, infrared, visible light technology, etc., XS series machines can effectively detect and remove damaged, shriveled, moth-eaten nuts, empty nuts, and foreign materials such as stones from raw materials.

I SERIES

Infrared Color Sorter

Through infrared technology, this I series sorting machine can effectively identify and separate nut kernels and shells.

LGI SERIES

Fast Speed Belt-type Sorter

With the features of preventing material jumping out, anti-broken design, and large capacity, this fast speed belt-type machine is specially designed for nut sorting. It can realize the color and shape sorting of nuts.

Key Products

AMD ORE COLOR SORTER

HK1680-2ZA

Quartz Powder Sorter

Suitable for sorting raw quartz powder with a wide range of fine ore particles size ranging from 26 mesh to 120 mesh.

LKZ1440

Big Size Dry Ore Stone Sorter

Suitable for sorting non-metallic minerals (quartz, feldspar, calcite, marble) and metallic minerals (tungsten, manganese, molybdenum, lead, zinc, copper, silver, tin, hematite) with particle size from 16 mesh to 40 mm .

LKZ1920-1D

Big Size Dry/Wet Ore Sorter

Suitable for sorting raw big size ore stone (30-100mm) . Wet ore operation can be carried out. Sorting can be performed on the water-containing ore.

LZZ1200-1D

Tungsten Ore Stone Sorter

Using fluorescence method, it is mainly used for sorting 2mm-30mm tungsten-containing minerals.
The fifth-generation FGPA chip makes computing more efficient.

ICS SERIES

Dry Coal Sorting Machine

Combining X-ray imaging, air injection and big data processing technologies, IPS series machines can automatically identify and remove gangue from coal.

Key Products

AMD RICE COLOR SORTER

RG SERIES

Great Value For Money

Mainly used for sorting yellow rice, chalk rice individually or in combination.

RG* SERIES

More Intelligent Better Sorting

Based on the RG series products, RG* applies more intelligent technologies, including uniform feeding, intelligent early warning, and optimization algorithms to ensure better sorting results.

RG+ SERIES

Color, Size & Impurities Sorting

Through multi-dimensional identification, this series of machines can effectively separate broken rice, yellow and chalky rice, glass and other impurities.

RGI SERIES

Strict Sorting Of Impurities

RGI series rice color sorter is mainly used for sorting glass, plastic, stone and other foreign matter contaminations.

M80

Mini Rice Color Sorter

Ultra-high integration, efficiency is improved. Compact structure, convenient and practical. Support chute division to realize resorting function.

Key Products

AMD TEA COLOR SORTER

MT64

Mini Tea Color Sorter Machine

With the features of compact structure, economical and practical, high efficiency and stability, and simple operation, MT64 mini tea color sorter is the first choice for residential use.

T2C2

Two-stage Two-chute

Cost-effetive with simple installation and stable performance, it can be applied to different tea sorting solutions.

T2C4

Two-stage Four-chute

On the basis of the excellent performance of T2C2, T2C4 tea color sorter adds 2 channels and cameras to meet the needs of higher production capacity..

T2C6

Two-stage Six-chute

T2C6 intelligent tea color sorter is suitable for all kinds of tea sorting. It not only has a large capacity, but can also seperate tea stalks, yellow leaves, and other impurities according to shape and color.

T3C6

Three-stage Tea Color Sorter

Through the first layer to sort the tea leaves/stalks, the second layer to sort the tea stalks/leaves, and the third layer to sort again, which realizes triple refinement for clean tea at one time.

TAILOR MADE SORTING SOLUTION

At Zhongke AMD, we design, develop, manufacture and install custom-built solutions, from complete processing lines to large turnkey projects with highly advanced automation and management information systems.

PART 3

OUR ADVANTAGES

Development history, certificate of honor，core technology, marketing network, manufacturing plant .

Development History

2002 Company Established

In 2002, AMD brand optical color sorter with independent intellectual property rights was successfully launched.

2008 Rapid Development Period

In 2018, the Zhongke Optic-electronic Industrial Park with an investment of 150 million RMB was officially put into use.
The industry-leading CCD and tea color sorter were launched into the market.

2013 Technology Maturity Period

In 2013, AMD brand won the "China Famous Trademark".
Zhongke Optoelectronics won the "Provincial Enterprise Technology Center" and "Provincial Postdoctoral Research Station"

2015 Go Public

In 2015, the company was listed in Shanghai Stock Exchange. (Stock Code: 603011)

2016 Steady Development Period

Entered the field of plastic sorting and launched the first generation plastic polymer sorting machine.
Won the "Hefei Science and Technology Little Giant Enterprise" and "Anhui Province Top 100 Specialized Specialized New Small and Medium Enterprises"

2021 Another Leap

Annual sales exceeded 100 million US dollars
National High-tech Enterprise
National Enterprise Technology Center
National Specialized Special New Giant Enterprise

Certificate of Honor

National Specialized Special New Giant Enterprise

New High-tech Enterprise

National Enterprise Technology Center

National Post-Doctoral Research Workstation

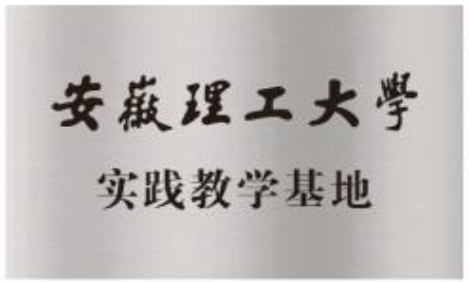
Anhui Province Manufacturing Service Demonstration Enterprise

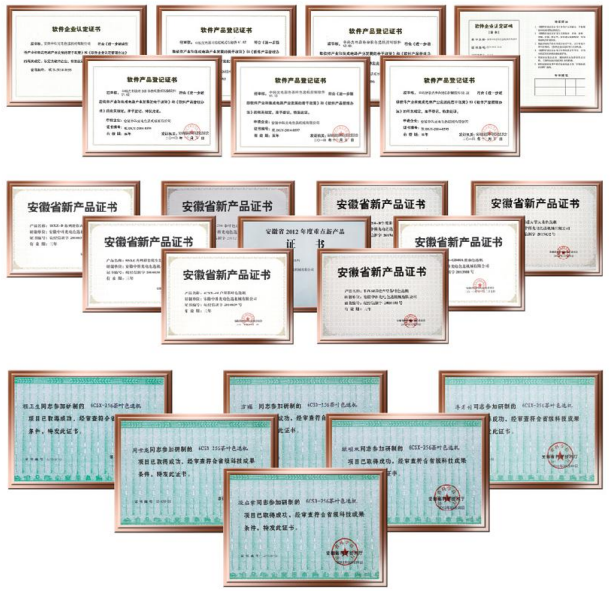
China Famous Brand

Anhui Industrial Design Center

Anhui Software Enterprise

Certificate of Honor





Core Technology

Deep Learning Technology

In June 2021, Zhongke AMD introduced deep learning technology to the optical sorting industry for the first time. Our staple product "Kunpeng" series of AI color sorters is leading the industry revolution.。

Intel Smart Chip

Intel's fifth-generation FPGA chip has faster speed, lower power consumption, and more stable operation.

Intelligent Image Recognition & Dimming System

Massive data accumulation, hundreds of professional identification algorithms + intelligent control dimming system can easily handle multi-dimensional and extremely complex sorting tasks.

S-level Professional Vision System

Customized ultra-high light-transmitting lenses, multi-frame synthesis noise reduction, and true color restoration, make the identification of extremely subtle color differences such as dark light and dark colors more accurate.

Zhongke UHF Ejector

The solenoid valve independently developed by ZHONGKE AMD with national patent combines the characteristics of high frequency and low consumption, wear-resistant and high-temperature resistant superalloy, and lifetime matching.

Zhongke Data Cloud

Zhongke's open mass sorting application database, cloud interactive storage, and extensive material solutions are exclusively created for you to share the convenience and value of the big data era.

Global Sales Network

GLOBAL SALES IN NUMBERS

By June 2022, more than 35,000 machines have been installed in 70 countries and regions around the world, serving and supporting 23,000+ customers.

Zhongke Manufacturing Plant

One of the largest production bases of intelligent color sorting equipment in China, with an annual output of more than 5,000 intelligent color sorting equipment, with an output value of more than 100 million US dollars.

PART 4

CASES HISTORIES

Some sorting cases for your reference

Case Study

PROFESSIONAL & FOCUS

Case Study

Case Study

Case Study

GUANGDONG-MEIZHOU

HEZHONG-ZHONGSHAN

GANSU-LIUYUAN

GUANGDONG-QINGYUAN

JIANGSU-ZHENJIANG

INNER MONGOLIA

SHANDONG

HUBEI

FUJIAN

ANHUI

SHANXI

VIETNAM

INNER MONGOLIA

HUNAN

JIANGXI

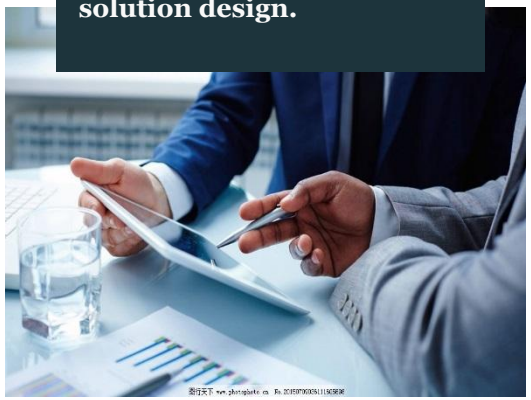
PART 5

CUSTOMER SUPPORT

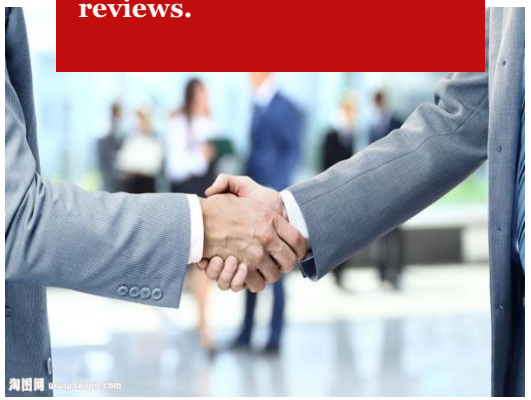
Pre-sales Consultation & Guidance, Equipment Installation & Commissioning, After-sales Maintenance & Training

Customer Support

AMD sorting experts are available 24/7 online for your design and consulting services. We provide you with customer-oriented solution design.



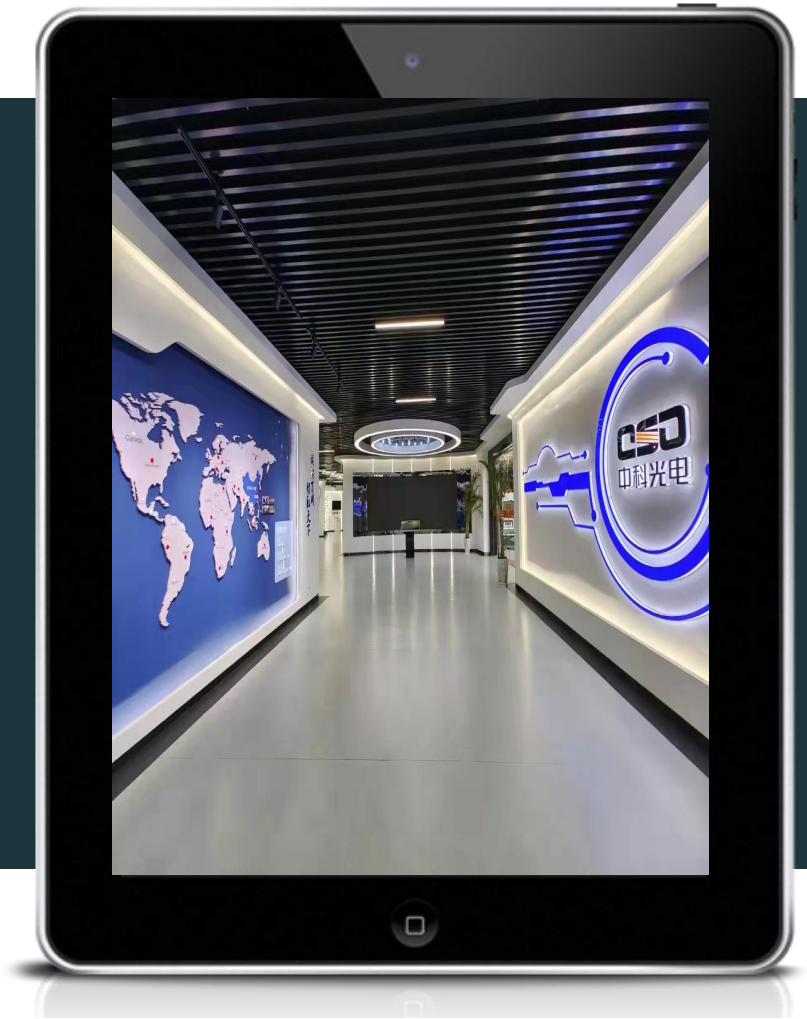
We will provide detailed solution suggestions for your approval. It is comprehensive and ready for executive or board level reviews.



During the Covid-19, AMD provides 1-on-1 remote online guidance, including machine installation and commissioning, maintenance and related training services.

No matter where you are in the world, you will truly feel "we are right beside you" through our services.

BASED IN CHINA, SERVING THE WORLD.



Future Plans

In the future, Zhongke AMD will maintain the global leading position in intelligent sorting machines, and build a world-class brand in the industry with the mission of "focusing on optical sorting, leading the sorting future".

Thank you!

We look forward to working with you

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