



Quality Sorting Strategy Upgrade



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**TEA CLOUD QUALITY  
SORTING SOLUTIONS**



AI QUALITY SORTING FOR EVERY CUP OF  
GOOD TEA

# ANYSORT

Founded in 1999, Jiexun Optoelectronics has been deeply rooted in the intelligent sorting industry for 26 years, with ANYSORT as its global brand.

From a single fresh tea leaf to a cup of fine tea, and from standalone machine applications to industrial production lines, ANYSORT is building a new AI Super Agent-centered intelligent ecosystem for integrated tea processing of quality sorting and impurity removal.

2017

Jiexun Optoelectronic obtained the "Best Scientific and Technological Innovation Brand in China Tea Industry".

2019

Jiexun Optoelectronic won the "Science and Technology Award of China Tea Society".

2020

Jiexun Optoelectronic won the first prize of "Anhui Science and Technology Progress Award" and the honorary title of "National Technological Innovation Demonstration Enterprise".

2021

Jiexun "DF architecture cloud quality sorter" was born.

2022

The Jiexun tea intelligent refining production line has been put into application, opening the era of tea intelligent production line.

2024

It is designed to build a multi-dimensional sorting application solution for the tea industry Internet from fresh leaves sorting to finished tea impurity removal and grading.

2025

Jiexun tea quality sorting fully evolves into **「AI super agent」**

# 6 Core Technologies Support the Full Evolution of ANYSORT Tea Quality Sorting to 「AI Super Agent」



ANYSORT has the largest AI quality sorting model database for tea in the world. The super computing power of this database allows for efficient establishment of sorting models to meet the requirements of sorting + grading + impurity removal for all categories of tea.



**Multimodal AI Quality Sorting Large Model**

The original PLOV sorting structure is upgraded again. It intelligently adapts to the falling of tea and lays them evenly without overlapping. It enables super high output, ensuring that large tea leaves do not cause blockage and small tea leaves do not leak through.



**PLOV Platform 3.0**

Hawkeye holographic recognition technology 4.0 is fully applied. Ultra-millisecond high-speed dynamic recognition brings imaging to a new level.



**Hawkeye Camera Technology 4.0**

Ultra-definition multi-pixel fusion visual data analysis enables accurate identification of subtle defects of tea and tea-like impurities.



**MPF Multi Pixel Fusion Technology**

The closed-loop control system of the tea refining production line, with the color sorter as the core, integrates quality sorting and impurity removal functions, leading the unmanned 3.0 intelligent factory era.



**Cloud Control Technology**

The original clean dust removal system for the entire production line realizes a dust-free workshop for standardized tea production.



**Independent Environmental Purification Technology**



# The world's First

## RK Series Fresh Tea Leaf AI Cloud Quality Sorter

The ANYSORT fresh tea leaf AI sorting technology sorts and classifies a single bud, one bud with one leaf, and one bud with more leaves, while removing yellow leaves and old leaves, as well as non-tea impurities. It solves the problem of mixed fresh leaves picked by hand and machine, and comprehensively elevates the overall quality and added value of the fresh leaves.



The first one-in and three-out sorting technology in the world allows for lossless direct output after grading + impurity removal, the sorting efficiency is increased by more than 30%.

Empowered by AI quality sorting large model, fresh leaves can be graded by buds type, length and size, and leaves longer than 12 cm can also be sorted.

Old leaves, yellow leaves, tea seeds and non-tea substances can be removed to improve the appearance and taste of tea.

Fresh leaves sorting capacity exceeds 800 kg/h, and multiple models are available to meet the processing needs of different scenarios.



RK4 Fresh Tea Leaf Cloud Quality Sorter

### AI Cloud Quality Sorting Solutions

**Bud shape grading**

Single bud    One bud with one leaf    One bud with two leaves

**Length classification**

12 cm one bud with multiple leaves    6-8 cm one bud with multiple leaves    4-5 cm one bud with two leaves    Less than 4 cm one bud with one leaf

**Impurity removal of fresh leaves**

Removing yellow slices and old leaves, tea seeds, leaves with spots, and non-tea impurities.

### AI Cloud Quality Sorting Application



At the 2024 China Tea Economy Annual Conference, ANYSORT's innovative application results of fresh tea leaf quality sorting technology were released. ANYSORT won the honor of 2024 Tea Industry New Quality Productive Forces Practicing Enterprise.



Jiexun's fresh tea leaf quality sorting technology has been successfully promoted and applied in major tea-producing areas across the country, including Anhui, Sichuan, Jiangsu, Hunan, Hubei, Shanxi, Zhejiang, and Guizhou.

### Product Parameters

Model	Throughput(kg/h)	Accuracy(%)	Air Pressure(Mpa)	Air Consumption(m <sup>3</sup> /min)	Power(kW)	Power Supply	Dimension L*W*H(mm)
RK2	≤250	≥99	0.6-0.8	<1.0	2.7	380V/50Hz	3430*1900*2500
RK4	≤500	≥99	0.6-0.8	<2.0	4.3	380V/50Hz	3440*2540*2500
RK6	≤750	≥99	0.6-0.8	<3.0	5.6	380V/50Hz	3440*3200*2500

The specific parameters vary depending on the environment, materials, and impurities.

# Industry Benchmark

## DF Series Tea AI Cloud Quality Sorter

ANYSORT DF series products can meet the processing needs of stalks and slices separation, shape sorting and grading, and impurity removal for all categories of tea, including high-quality tea, tea for export, new tea beverages and tea food raw materials.



It is able to meet the needs of tea sorting and grading in all categories and scenarios, including color sorting, shape sorting and material sorting.

New PLOV 3.0 physical platform architecture enables super high output, no blockage of large tea leaves and no leakage of small tea leaves.

ANYSORT AI quality sorting large model allows for one-click analysis of multiple tea samples, realizing easy operation.



DF36 Cloud Quality Sorter

## Industrial Flagship AI Cloud Quality Sorter

It is optimized based on the difference between large and small tea leaves so that large tea leaves will not be blocked and small tea leaves will not leak.

Low breakage, low carryover, one-time separation of stalks, slices and buds, high output

Intelligent production line solutions can be applied, doubling sorting efficiency.



DF56PRO Cloud Quality Sorter



DF46PRO Cloud Quality Sorter

### Product Parameters

Model	Throughput(kg/h)	Accuracy(%)	Air Pressure(Mpa)	Air Consumption(m <sup>3</sup> /min)	Power(kW)	Power Supply(V/Hz)	Dimension L*W*H(mm)
DF36	≤1300	≥99	0.6-0.8	< 3.0	5.2	380V/50Hz	3670*2360*3520
DF46 PRO	≤1300	≥99	0.6-0.8	< 3.5	7.5	380V/50Hz	3400*3370*4750
DF56 PRO	≤1600	≥99	0.6-0.8	< 4.2	7.5	380V/50Hz	3400*3300*5000

The specific parameters vary depending on the environment, materials, and impurities.

## Lightweight, Family-based AI Cloud Quality Sorter

With a compact structure and a small footprint, it is easy to move and install, meeting the needs of family-based high quality tea sorting.

ANYSORT AI tea quality sorting large model is suitable for color sorting, shape sorting and impurity removal for pearl-shaped tea, strip-shaped tea, and flat-shaped tea.

Its processing capacity is up to 30 kg/h (oolong tea).



DF12 Cloud Quality Sorter



DF21 Cloud Quality Sorter

### Product Parameters

Model	Throughput(kg/h)	Accuracy(%)	Air Pressure(Mpa)	Air Consumption(m³/min)	Power(kW)	Power Supply(V/Hz)	Dimension L*W*H(mm)
DF12	≤220	≥99	0.6-0.8	< 0.6	1.2	220V/50Hz	1860*1530*1550
DF21	≤350	≥99	0.6-0.8	<1.0	3	380V/50Hz	1890*2225*2800

The specific parameters vary depending on the environment, materials, and impurities.

## DF series tea cloud quality sorter meets the full-scenario sorting needs of all tea categories.



# High-end Infrared AI Cloud Quality Sorter for Impurity Removal

With built-in infrared and standard dual systems, one machine can meet the requirements of color sorting, shape sorting, material sorting, and impurity removal.

It is able to eliminate stones, insects, plastic pieces, glass, soil blocks, feces, and non-tea substances in dark color or in the same color as tea.

It is indispensable for industrialized and standardized impurity removal for high-quality tea, new tea beverage raw materials, and tea food.



DF46R Cloud Quality Sorter

## Product Parameters

Model	Throughput(kg/h)	Accuracy(%)	Air Pressure(Mpa)	Air Consumption(m <sup>3</sup> /min)	Power(kW)	Power Supply(V/Hz)	Dimension L*W*H(mm)
DF22	≤900	≥99	0.6-0.8	< 2.0	4.9	380V/50Hz	2840*2300*3330
DF33R	≤1200	≥99	0.6-0.8	< 3.3	5.5	380V/50Hz	3520*2800*3920
DF36R	≤1400	≥99	0.6-0.8	< 3.3	5.5	380V/50Hz	3520*2800*3920
DF46R PRO	≤1200	≥99	0.6-0.8	< 3.3	9.6	380V/50Hz	3400*3340*4750

The specific parameters vary depending on the environment, materials, and impurities.

## A must-have for food-grade tea processing!

DF-R comprehensively maintains high standards of tea food safety!

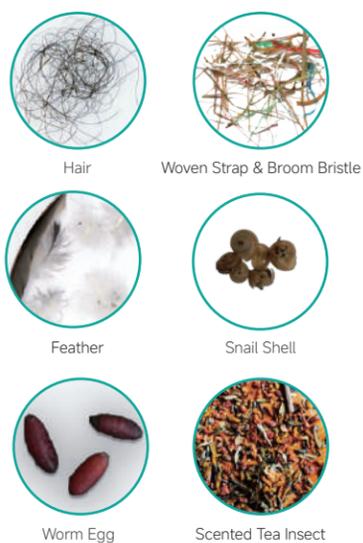


# Best in its Field

## M Series Light Impurities AI Cloud Quality Sorter

It can accurately remove more than 99.9% of hundreds kinds of light impurities and tiny foreign objects in tea leaves, such as hair, fine woven straps, broom bristles, feathers, small flower pests and their eggs, eliminating customer complaints and returns.

### Cases of light impurities sorting in tea

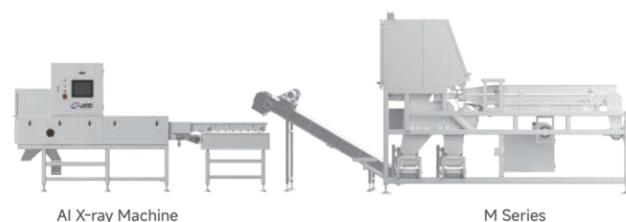


## AI X-ray Machine for Removal of High-density Foreign Objects

It is designed to remove high-density foreign objects such as metal, glass, rubber and stone. It is able to identify foreign objects with a diameter as low as to 0.5 mm.



M Series + AI X-ray Machine offers a high- and low-density multi-dimensional impurities removal solution, ensuring purer product quality and significantly enhancing sorting and grading accuracy.



### Product Parameters

Model	Throughput(kg)	Accuracy(%)	Air Pressure(Mpa)	Air Consumption(m <sup>3</sup> /min)	Power(kw)	Power Supply(V/Hz)	Dimension L*W*H(mm)
M4	≤250	≥99	0.6-0.8	<2.0	3.0	380/50	3420*1900*2500
M8	≤500	≥99	0.6-0.8	<3.0	4.0	380/50	3420*2500*2510
M12	≤750	≥99	0.6-0.8	<4.0	5.2	380/50	3420*3200*2500

### Product Parameters

Model	Detection Sensitivity for SUS304 Ball/mm	Detection Sensitivity for SUS304 Wire/mm	X-ray Leakage Dose	Power Supply (V/Hz)	Dimension (mm)	Weight (kg)
RX64	≥φ0.3	≥φ0.2X2	≤1μSv/h	380/50	3800*1200*2040	650
RX96	≥φ0.3	≥φ0.2X2	≤1μSv/h	380/50	3860*1410*2360	950

The specific parameters may vary depending on the environment, materials, and impurities.

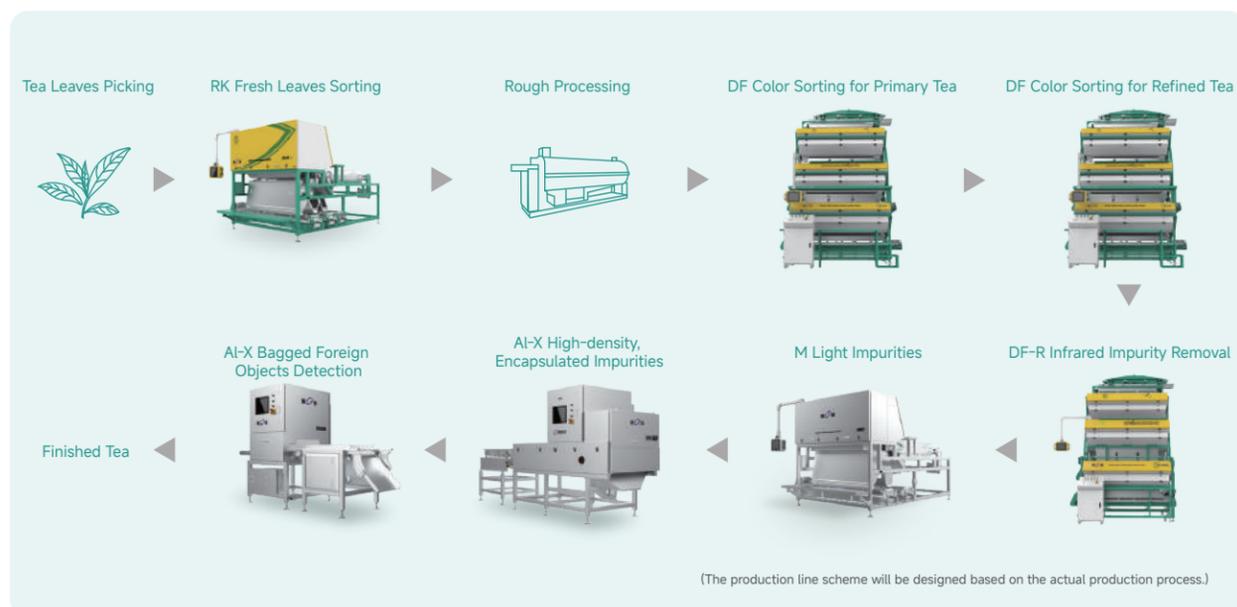
# Integration of Quality Sorting and Impurity Removal

## Full-category Tea Processing Production Line Solution

It is a leading solution for ensuring safety of new tea beverages and tea food. It ensures zero impurities, zero complaints, and zero returns in the tea supply chain.

Based on color sorting and grading, Jiexun empowers the AI tea quality sorting large model to address the challenges of different processing stages, different impurities, missing detection by one machine and difficult production line control. It has developed a specialized impurity removal scheme for color sorting products and customized multiple impurity removal schemes for free combination of production lines.

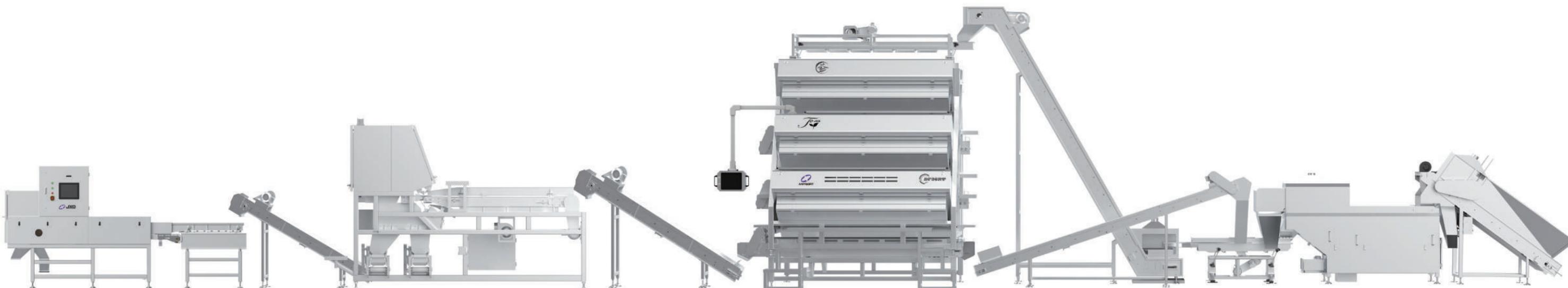
## Full-scenario Production Line of Tea Processing: Quality Sorting + Impurity Removal

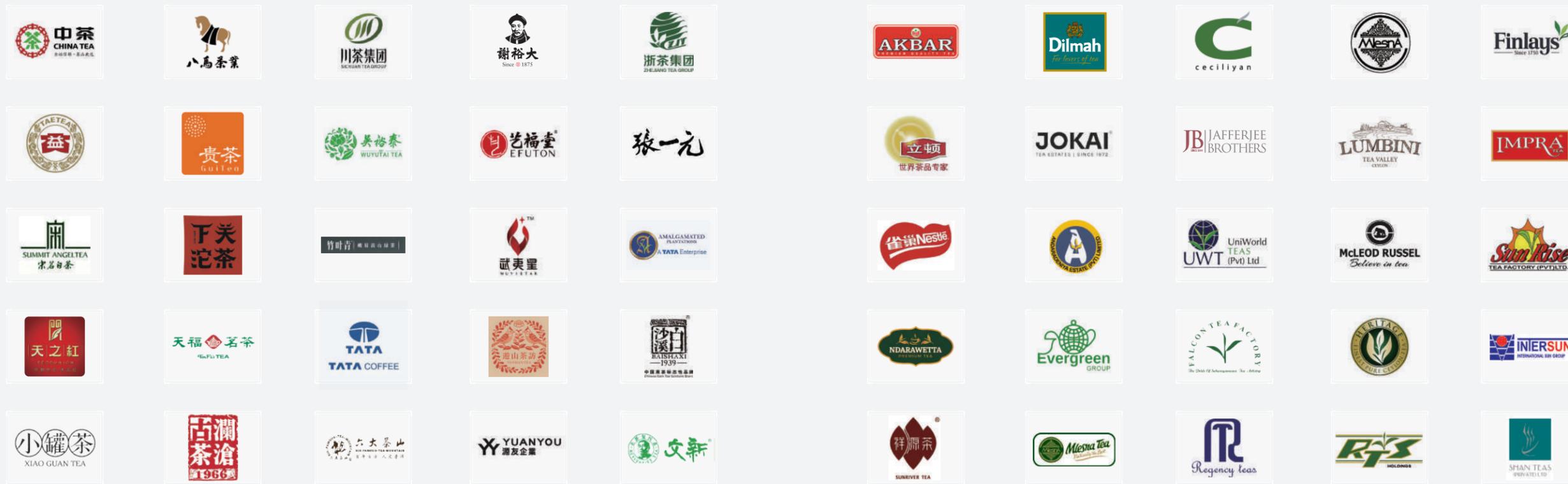


## Full-scenario Sorting + Impurity Removal Solution



The quality sorting and impurity removal production line suitable for full-category tea processing scenarios can be used for **new tea beverages** and **single-category tea**, as well as **raw material production area** and **secondary processing production area**. With the color sorter as the core, it can realize standardized, continuous and unmanned tea processing, meeting requirements on stable quality in the tea supply chain.





## ANYSORT DF Tea Quality Sorting Solution

Leading the global tea intelligent sorting process reform, providing the most valuable sorting solution for high-end tea enterprises.



Scan the QR code to view "China Tea Quality Sorting Map"

# 「Where there is tea, there is ANYSORT quality sorting」

ANYSORT DF tea quality sorting solutions have provided customized sorting solutions for many well-known tea processing enterprises in the world.

Intelligent tea quality sorting process meets the needs of multi-variety and full-scene tea processing.

## ANYSORT Quality Sorting, Based in China, Serving the World

### Industry Advantages

We share more than 70% of the global tea color sorting market  
Pioneer of innovative tea processing technology for export  
Technology innovation leader in tea sorting field

### Technological Advantages

Original tea sorting technology system  
Unique production line solutions

### Research and Development Advantages

National Innovation Demonstration Enterprise  
One of the First Batch of Specialized, Refined, Unique, and Innovative Little Giant Enterprises of the Ministry of Industry and Information Technology, and Postdoctoral Research Workstation

### Service Advantages

We provide 24/7 remote service.  
Fully owned subsidiaries have been established globally in the United States, Australia, Brazil, Vietnam, and other countries.

### Production Advantages

Independent research and development laboratory and trial production base.  
Two major intelligent factories in China and Brazil

### Cultural Advantages

Adhering to the original aspiration of "Let the whole world enjoy the best quality food" for more than 20 years

