

"Integrity as the foundation, excellent quality, and world-renowned service"



Intelligent Color Sorter

Unique craftsmanship, showcasing technological excellence

Service Hotline **400-663-7669**

XINGTAI ZHONGDE INTELLIGENT TECHNOLOGY CO., LTD

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Due to the continuous innovation of our company's product technology, if the products shown in this album involve upgrades in appearance or performance, the actual upgraded product performance shall prevail

XINGTAI ZHONGDE INTELLIGENT TECHNOLOGY CO., LTD



Xingtai Zhongde Intelligent Technology Co., Ltd. is a professional color sorter manufacturer integrating scientific research, production, and sales. With an annual production capacity of over a thousand units, Zhongde Intelligent specializes in producing color sorters, intelligent sorters, and AI sorters. Our company adheres to the principle of "first-class quality, reasonable price, and excellent service," promotes the corporate spirit of "integrity, perseverance, quality and efficiency, and progress," and pursues the concept of "quality first, reputation first," aiming to impress the market with integrity, occupy the market with quality, and win the market with service. Currently, our products are sold throughout the country, with some exported to Asia, Africa, and other countries and regions. We adhere to the corporate spirit of integrity and innovation, relying on leading research and development capabilities, efficient manufacturing, stable quality, and excellent service to meet the needs of customers both domestically and internationally. The company is always committed to the research and application of cutting-edge sorting technologies, integrating color sorters with cutting-edge technologies such as 5G technology Internet+ and artificial intelligence (AI) in the industry. Our color sorter products have covered sorting in various fields such as rice, nuts, roasted seeds and nuts, miscellaneous grains, minerals, plastics, glass, fruits and vegetables, frozen foods, and peppers, with sales in more than 30 countries and regions. We are honest and loyal to every customer, win every friend with our reputation, adhere to the business principle of "doing things first, being a person," and take the path of honest development.



FACTORY SCENE



CUSTOMER CASE



CUSTOMER CASE



ZD0.5-32 INTELLIGENT
COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	0.5	Machine weight	KG	150
Supply voltage	V/Hz	220/50	Handling capacity	T/H	0.2-0.4
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	0.1-0.3	Specification and size	mm	1020*500*1520

6SZD-64F INTELLIGENT
COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	0.8	Machine weight	KG	214
Supply voltage	V/Hz	220/50	Handling capacity	T/H	0.8-1.5
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	0.3-0.8	Specification and size	mm	1330*825*1630

6SZD-128F INTELLIGENT
COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	1.3	Machine weight	KG	400
Supply voltage	V/Hz	220/50	Handling capacity	T/H	1.2-2.5
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	0.5-1.0	Specification and size	mm	1330*1185*1630

6SZD-192F INTELLIGENT
COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	1.9	Machine weight	KG	410
Supply voltage	V/Hz	220/50	Handling capacity	T/H	2.5-4
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	0.8-1.5	Specification and size	mm	1330*1505*1630

6SZD-256F INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	2.4	Machine weight	KG	496
Supply voltage	V/Hz	220/50	Handling capacity	T/H	3-5.5
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	1.0-2.0	Specification and size	mm	1330*1805*1560

6SZD-320F INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	3	Machine weight	KG	740
Supply voltage	V/Hz	220/50	Handling capacity	T/H	4-8
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	1.3-2.1	Specification and size	mm	1505*2210*1666

6SZD-384F INTELLIGENT
COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	3.6	Machine weight	KG	1000
Supply voltage	V/Hz	220/50	Handling capacity	T/H	5-10
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	2.0-3.5	Specification and size	mm	1500*2460*1676

6SZD-448F INTELLIGENT
COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	4.1	Machine weight	KG	1200
Supply voltage	V/Hz	220/50	Handling capacity	T/H	6-12
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	2.5-4.3	Specification and size	mm	2994*1504*1760

6SZD-512F INTELLIGENT COLOR SEPARATOR



6SZD-640F INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	4.7	Machine weight	KG	1400
Supply voltage	V/Hz	220/50	Handling capacity	T/H	7-14
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	3.0-4.5	Specification and size	mm	1505*3080*1980

PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	5.8	Machine weight	KG	1800
Supply voltage	V/Hz	220/50	Handling capacity	T/H	8-15
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	30: 1
Air source consumption	M ³ /min	5.0-6.5	Specification and size	mm	1515*3710*2000

ZDL200-32KX INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	1.5	Machine weight	KG	230
Supply voltage	V/Hz	220/50	Handling capacity	T/H	0.4-1.2
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	≥30: 1
Gas consumption	L/min	500-1200	Specification and size	mm	2350*650*1200

ZDL1200-512KSD INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	10	Machine weight	KG	2400
Supply voltage	V/Hz	220/50	Handling capacity	T/H	2.0-12.0
Air source pressure	MPa	0.8-1.6	Takeout ratio	Y/N	≥30: 1
Sorting Accuracy	%	≥99.9	Specification and size	mm	3290*1900*2485

ZDL300-64PD INTELLIGENT COLOR SEPARATOR



ZDL300-64KX INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	2.0	Machine weight	KG	400
Supply voltage	V/Hz	220/50	Handling capacity	T/H	1.0-2.0
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	≥30: 1
Gas consumption	L/min	500-1200	Specification and size	mm	3340*900*1640

PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	2.5	Machine weight	KG	400
Supply voltage	V/Hz	220/50	Handling capacity	T/H	1.0-2.0
Executing Unit	mm	300	Takeout ratio	Y/N	≥30: 1
Sorting Accuracy	%	≥99.9	Specification and size	mm	2680*900*1535

ZDL600-128KX INTELLIGENT
COLOR SEPARATOR



ZDH-768KB INTELLIGENT
COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	2.5	Machine weight	KG	550
Supply voltage	V/Hz	220/50	Handling capacity	T/H	1.0-3.0
Executing Unit	mm	600	Takeout ratio	Y/N	≥30: 1
Sorting Accuracy	%	≥99.9	Specification and size	mm	3110*1200*1535

PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	10	Machine weight	KG	2500
Supply voltage	V/Hz	220/50	Handling capacity	T/H	3.0-12.0
Air source pressure	MPa	0.8-3.0	Takeout ratio	Y/N	≥30: 1
Gas consumption	L/min	3000-9000	Specification and size	mm	3220*2900*2762

ZDL600-128CZ INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	5	Machine weight	KG	600
Supply voltage	V/Hz	220/50	Handling capacity	T/H	2.0-6.0
Executing Unit	mm	600	Takeout ratio	Y/N	≥30: 1
Sorting Accuracy	%	≥99.9	Specification and size	mm	3600*1400*1700

ZDL300-64Z INTELLIGENT COLOR SEPARATOR



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	2.2	Machine weight	KG	350
Supply voltage	V/Hz	220/50	Handling capacity	T/H	0.4-1.2
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	≥30: 1
Gas consumption	L/min	800-1200	Specification and size	mm	2120*1000*1600

ZD1200-256 INTELLIGENT COLOR SEPARATOR



SORTABLE MATERIALS



PRODUCT PARAMETERS

PROJECT	UNIT	PARAMETER	PROJECT	UNIT	PARAMETER
total power	kw	4.5	Machine weight	KG	1372
Supply voltage	V/Hz	220/50	Handling capacity	T/H	5.0-11.0
Air source pressure	MPa	0.6-0.8	Takeout ratio	Y/N	≥30: 1
Gas consumption	L/min	500-1600	Specification and size	mm	3400*1770*1600

INTRODUCTION TO GLASS LIGHT SEPARATOR

An optical sorter is a device that utilizes machine vision technology to classify the surface colors of objects. It captures RGB images of objects through a high-resolution camera and then processes and analyzes the images using computer vision algorithms to identify different color regions and details in the images. In the glass industry, optical sorters are used to identify and remove glass products containing specific colors, such as those with bubbles, stripes, or other different colors. The glass light separator can sort waste and broken glass by different colors, while removing other impurities such as stones, ceramics, and plastics. After light separation, the glass becomes bright and lustrous, significantly increasing its value and bringing unexpected profit margins.

▼ Display of some materials

COARSE CEREALS



CHINESE MEDICINAL MATERIALS



▼ Display of some materials

PLASTIC



ORE

