



Suzhou Dream Vision

## Suzhou Dream Vision Color Sorter machine

DCS series

### High-level InGaAs infrared Material & color expert in simultaneous color sorting

- The new design of flexible receiving material anti-crushing system, minimizes material crushing and fully guarantees the integrity of finished products.
- High-level InGaAs infrared technology provides excellent solutions for sorting materials with similar color impurities.
- The new sealed waterproof grade structure, dust-proof, oil resistance, further ensure the sorting effect
- High quality architecture and modular design improve the stability of machine operation



## Fruit and vegetable



Garlic flake



Garlic black spot



Garlic rod



Garlic skin



Garlic root



Red chilli accept



Red chilli reject



Green chilli accept



Green chilli reject



Dehydrated carrot accept



Dehydrated carrot reject



Horseradish accept



Horseradish reject



Onion accept



Onion reject



Plastic cable tie



glass



stone



bits of wood



insect



## Suzhou Dream Vision

### Core Technology



#### InGaAs composite infrared camera

Using InGaAs infrared band signal recognition technology, the difference in composition between nuts and impurities can be identified, easy to remove impurities of the same color from nuts



#### 5G architecture

Reserve 5G interfaces, AR/R coordination, high bandwidth, low latency, and wide connectivity



#### Solenoid valve drive system

The solenoid valve drive system uses a new type of high anti-wear material, high frequency low loss valve, flexible contact, fast response, no exhaust gas, low take-out



#### Matrix valve

Using the original imported SMC or MATRIX high-quality injection valve, high reliability, good stability, long life



#### Soft landing feed and discharge system

The material receiving part adopts a flexible design and uses food grade silicone curtains, greatly reducing product damage



#### AI deep learning

Enable machine intelligence to learn and recognize complex impurities, meeting the changing sorting needs of customers

## Parameter configuration

Name	model	Channel number	Layers	Voltage	Power	Dimension (L*W*H) mm	Weight (kg)
DCS series	DCS-300S-S	64	Single	AC220V/50Hz	≤3.0	3098*820*1660	525
	DCS-600S-S	128	Single	AC220V/50Hz	≤3.5	3098*1130*1660	850
	DCS-1200D-S	512	Double	AC380V/50Hz	≤9.5	5215*1928*3093	3000

  

Index	Item	DCS series	Index	Item	DCS series	
performance index	Key devices	12-inch LCD display device	Intelligent Index	LED illuminant	Full spectrum toning system	
		Ultra HD full color CCD sensor			Full infinite color system	
		Infrared imaging system		Software system	Easy operation	
		Shadowless lighting system			Color sorter steward	
		High quality imported ejector			Remote debugging	
	Targeted localization	Intelligent diagnosis				
	Solution	Flexible removal		One key backup	Air pneumatic system	Enhanced point-to-point dust-exhaust system
		Shape sorting		Algorithm for fruit and vegetable sorting		Large capacity pneumatic system
		Life Index		ejector valve life	★★★★★	Structural system
	Led light life			★★★★★	Waterproof and seal IP54	
	Machine operating life			★★★★★	Stable transmission structure	

The above parameters are determined at room temperature of 25℃ and 2% contamination of raw material, and specific indexes will change according to different environment, materials contamination conditions; ☆ represents functional strength;

●: Standard; ○: optional; -: None