



OBSERVE THE EXCELLENT



# ULTRA PRO<sup>+</sup> COLOR SORTER

# Product Technical Features

## Camera



## Leading in the Industry

International well-known brand customized lens Import high-end Holographic Camera from TOSHIBA JAPAN High-speed of scanning, The highest resolution of Camera & fully auto callibrated.

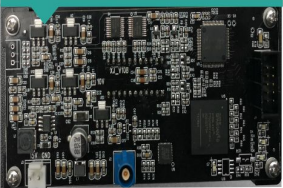
## Ejector



## High-frequency High speed

Ultra high frequency 1800HZ imported ejectors. 25 billions cycles service life, high speed response **ON 0.35 MS, OFF 0.30 MS**

## CCD Camera PCB



## Intelligent Images Processing Algrithm

The combination of true colors and shapes of intelligent algorithm Leading role in World. Precise Professional sorting solution. CCD chip Toshiba Japan

## Led light



## Customized lighting system, import purchasing

Advanced PHILIPS LED customize optical system. Flexible light sources are available to sort different materials. Designated procurement of imported LED lamps, High stability, low temperature, life up to 70000 hours.

## Data Transmitter



## Human-Computer interface & simple and easy to operate

EMBEDDED Microsoft Windows More intelligent easy operation, one button for professional sorting, remote debugging, remote diagnosis, remote software upgrading.

## Processor Chip



## Innovative ultra high-speed processing

New Generations of ARM+FPGA Processor Ultra High Speed, Made in USA. The CPU is improved 10 times faster realizing the high stability, reliability and high-speed data processing.

## Chute



## Feed Trough, special technology

Application of high-quality 300mm ultra wide U shape special anodization treatment process ensures the required production in line with the international first-class level. Cascading flat plate and narrow chute channel can be outfitted to sort a variety of colored Material.

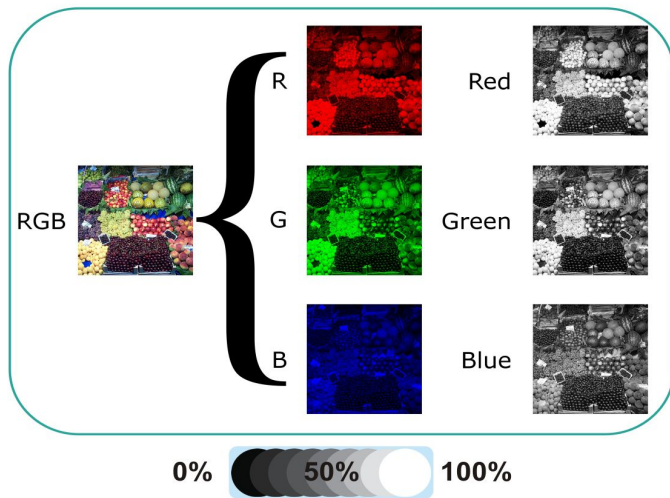
## True Color Background



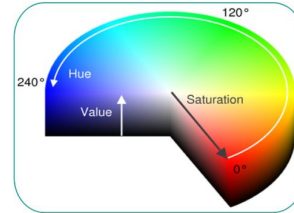
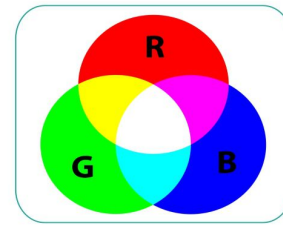
## True Color Background

With flexible color mixing technology, 16 million kinds of colors can be realized which can adapt to separation of various materials. RGB Background

## Monochromatic (Gray scale)



## Bichromatic (RG or RB or GB)



## Trichromatic (Full Color HSV)

**Carter Unique Ultra Pro+** Color Sorter can differentiate defect according to Gray, Bichro, Trichro (by Capture defect) individually or simultaneously at same time.

## Product Specifications

MODEL	SIZE (MM)	POWER(KW)	PRODUCT OUTPUT (T/H)	SORTING ACCURACY(%)	CARRYOVER RATE (BAD:GOOD)
UCP-1	850*1574*2090	1.0	1-1.5	99.99	30:1
UCP-2	1240*1574*2090	1.5	1-2	99.99	30:1
UCP-3	1912*1574*2090	3.0	3-4	99.99	30:1
UCP-4	1912*1574*2090	3.0	4-5	99.99	30:1
UCP-5	2226*1574*2090	3.0	5-6	99.99	30:1
UCP-6	2540*1574*2090	3.6	6-7	99.99	30:1
UCP-7	2854*1574*2090	4.8	7-8	99.99	30:1
UCP-8	3168*1574*2090	5.2	8-9	99.99	30:1
UCP-10	3796*1574*2090	6.0	11-12	99.99	50:1
UCP-12	1570*5080*2090	8.6	12-14	99.99	50:1
UCP-13	1570*5080*2090	9.5	14-16	99.99	50:1
UCP-16	3188*2788*2090	10.0	16-19	99.99	50:1

### Remarks

CARTER UNIQUE SORTER is a global phenomenon in optical sorting. Its sorting accuracy gives the best yield and efficiency of any optical sorting system and even at the highest production capacities. It sorts a variety of commodities:

•RICE •PULSES •BEANS •NUTS •GRAINS •SEEDS •TEA •COFFEE •SPICES •DEHYDRATES •PLASTICS








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