END

END ELEKTRONIK

NEW & INTELLIGENT
CCD colorful sorter
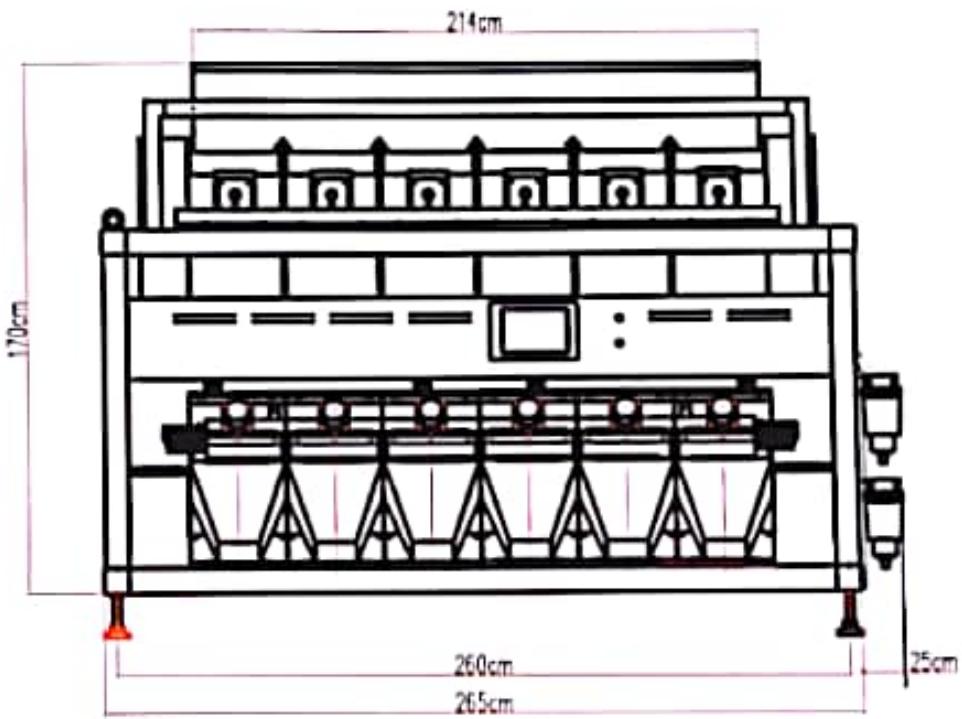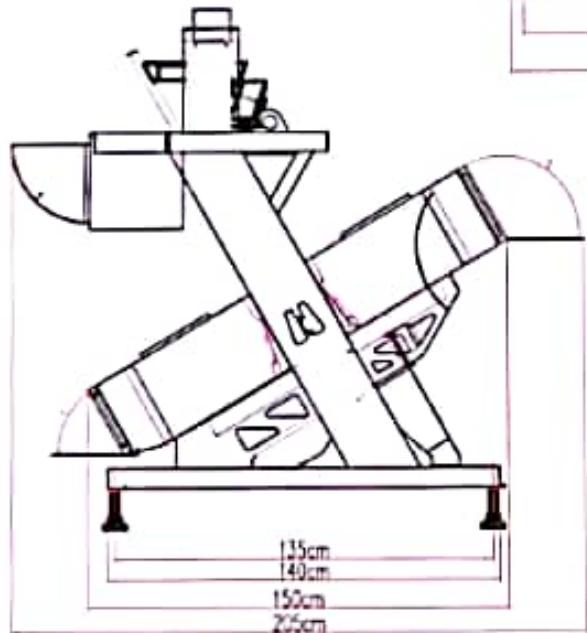
214cm

170cm

260cm

265cm

25cm

135cm
140cm
150cm
205cm

Raw Material

1st Sorting   2nd Sorting

Next Process

2nd
Accepted

1st
Accepted

Input of Raw Material

Final Reject
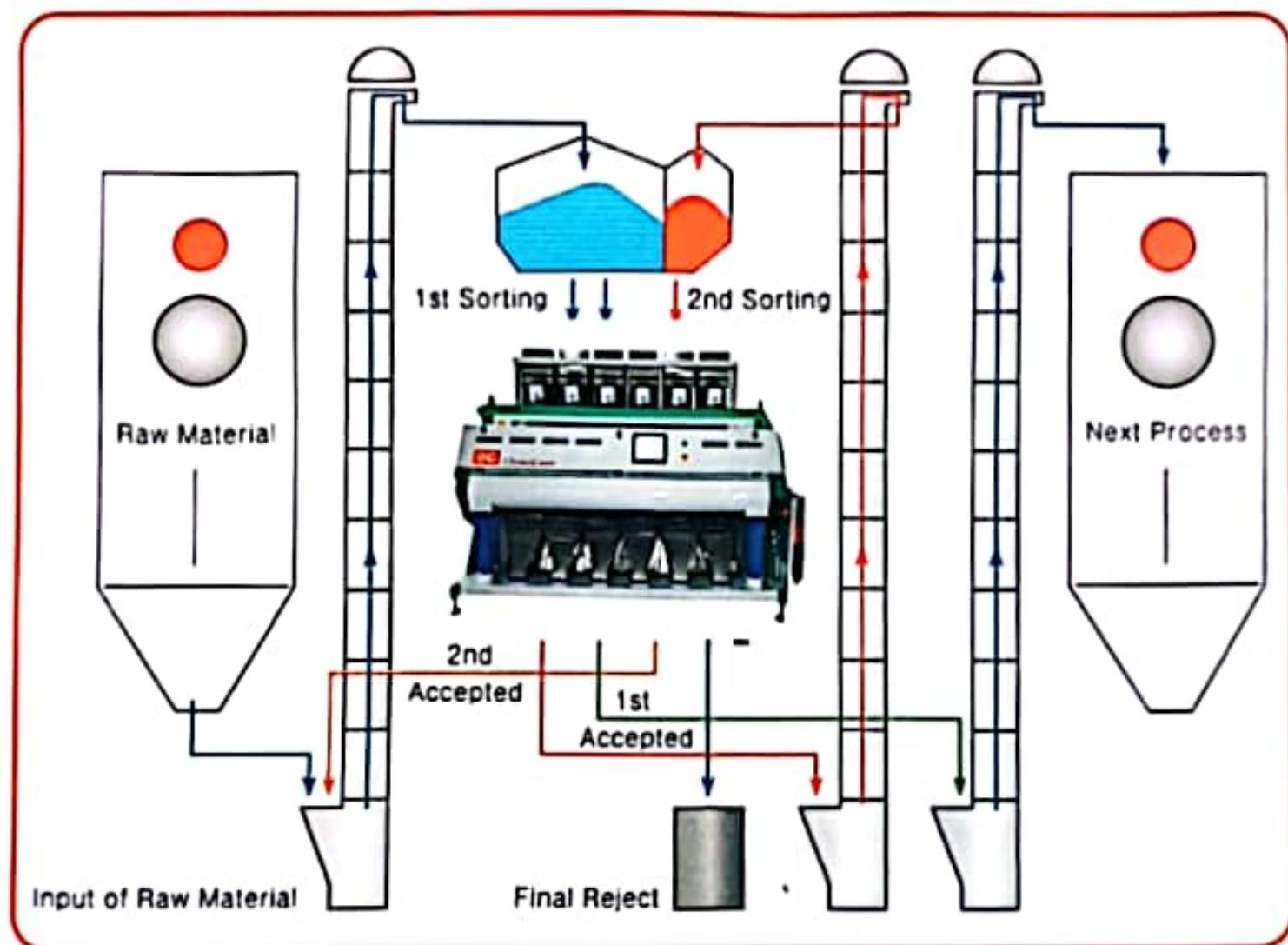
Sort Parameter

Model	ZL-5	ZL-6	ZL-7
Number of Channels	320	384	440
Capaticty (T/h)	2-6	4-10	6-15
Voltage (V)	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Host power (Kw)	<2.7	<2.7	<3.0
Weight (Kg)	1000 (+5%)	1250 (+5%)	1600 (+5%)
Machine Size (L*W*H*/mm)	2314*1485*1700	2650*1485*1700	3010*1485*1700
Ejector Valve	320	384	448
Camerapixel	4096	4096	4096
Air Consumpiton (m3/min)	4,5	5,1	6

6 core strengths

CCD Lens JAPAN

Advanced image acquisition system

◆ Scientific optical system design, multiple light sources, wide viewing angle of the optical design of a variety of materials identification can achieve the best results;

◆ High sensitivity, high-resolution industrial color 4096 pixel CCD sensor, instant capture small flaws, the identification of up to 0.04mm2;

◆ Import wide angel, large aperture lens industrial appulication, to ensure minimal image distortion, the best image quality.

Enjektör JAPAN

The EJECTOR JAPAN

◆ All-metal high-frequency electromagnetic valve, has the characteristics of high life;

◆ Work more than 1000 times per second;

◆ machine air concumption reduced by more than 20%;

Dokunmatik Ekran JAPAN

The HMI&System

◆ High-resolution machine interface operating system

◆ Users can set their own color selection mode, and can store up to 20 processing varieties for quick switching between different materials selected color;

◆ Automatic traking and automatic correction system, user-freindly.

Led Lamba KORE
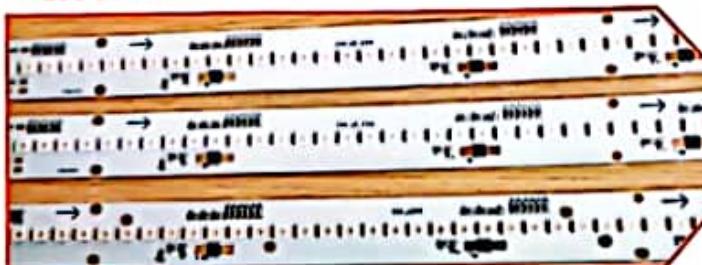
The Lighting System

◆ Use LED light source

◆ Application of, high-brigtness, long life, high consistency of LED light source, fluorescent light to solve the stability of poor, short life of the shortcomings;

◆ Different materials require different spectrum lightin, tailored according to customer needs light.

Kamera Kartı ve İşlemci Kartı USA
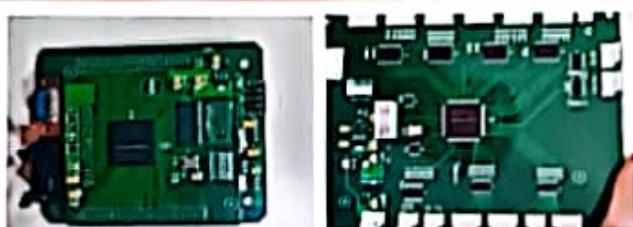
The image processing system

◆ high-speed high-speed signal processor RGB effective feature extraction;

◆ Based on large-scale logic chip FPGA parallel pipeline processing technology, the signal characteristics of the selected material analysis and processing, can identify defects and color differences 0.04mm2, efficient and flexible

◆ Each group can be independently synchronized multi-tasking multi-color mode is selected, you can synchronized meet being selected, unselected, a variety of colors, while sorting

◆ For different materials, unique software algorithms, to improve color fake election results.

Enjektör Sürücü Kartı USA

The FPGA computing and processing power

◆ A powerful computing and processing

◆ Super computing power fast data operation on a veriety of handy

◆ processing power and flexible, quickly customize various image processing algorithms.

MACHINA SETTINGS

◆ Use the machina screen do the materiel picture (one good materiel picture, one bad materiel picture) here we do example for corn

◆ Copy the picture to flash

◆ Open the software

◆ Add the bad picture and bad picture to software set this is good.Set this is bad

◆ Perform the software,we get the file name "cof" Copy the file to flash

◆ "Input" the file "Cof"to machine screen, set finish

◆ In the screen , you only work sensitive and eject open the delay time.

●—— Sort Materials ——
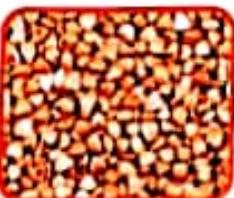
|					
Coffee Beans	Buckwheat	Of Pea	Chickpea	Red Bean	Watermelon Seeds
Prickly Ash	PP İnjection	PP İnjection	Raisins (Kuru Üzüm)	Red Lentils	Wolfberry
Rice	Rice	Black Rice	Seeds	Sesame	Brown Rice
limestone	Corn	Earthnut	Middle Eastern Rice	Mustard Child	Soybean
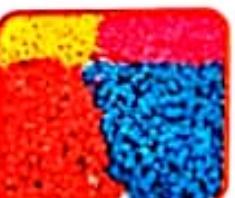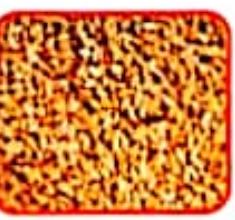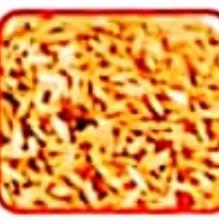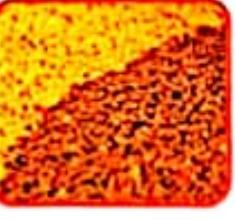
CCD belt sorer

- Unique optical system desing, the height of the light source and the camera with them to achieve the best performance
- High-precision 8096 pixel high-speed line scan type CCD, high-definition recognition, high-speed classification
- Tracked transmission, more srable matcrials for a vericty of irregularyly shaped materials.
- Food grade shatter-proof device, effectively reduce processing losses
- To give large-scale logic chip FPGA parallel multi-pipeline processing technology, unique software algorithms for signal characteristics of the selected material processing techniques, we can identify defects and color differences 0.08mm2, effidient and flexible;
- Higt reliability of the system design, and after a long period of high remperature aging test, to ensure reliable operation of each piece of equipment.

Sort Materials

Red dates

Cashew

almond
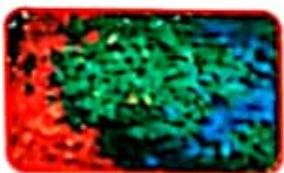
plastic
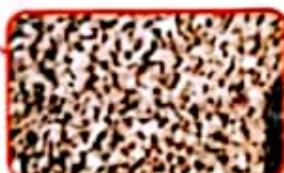
Potassium feldspar

Earthnut

limestone

Paprika

Sort Parameter

Model	LD1	LD2	LD3
Number of Channels	\	\	\
Capacity (T/h)	0.5-1	1-3	1.5-4.5
Voltage(V)	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Power (Kw)	<2.2	<2.5	<3.8
Weight (Kg)	800	950	1200
Machine Size (L*W*H/mm)	1315*2405*1725	1615*2405*1725	1915*2405*1725