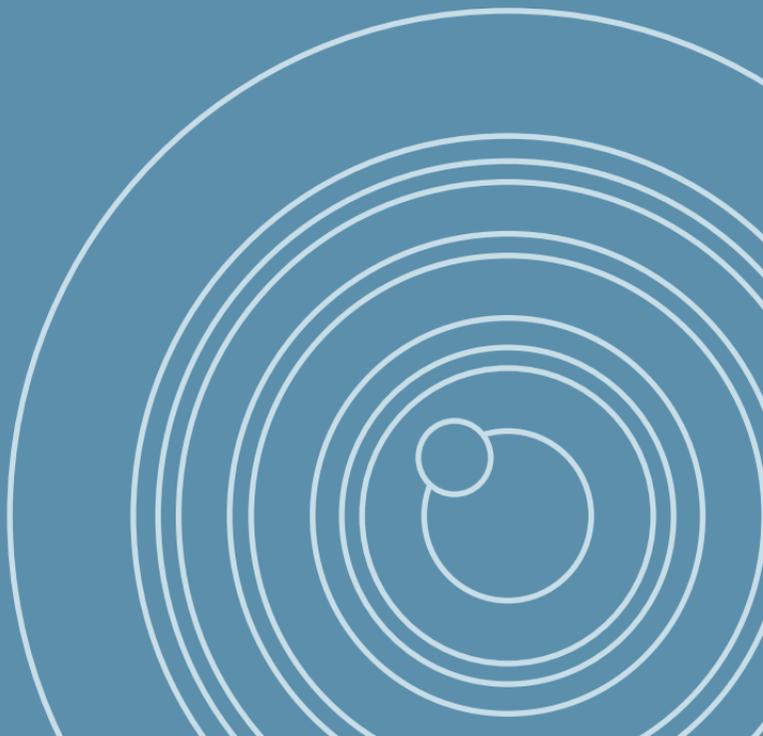


The logo for Vistasort, featuring the word "VISTASORT" in a bold, blue, sans-serif font. The letter "O" is replaced by a stylized camera lens icon with a blue center and white highlights. The logo is positioned in the upper right corner of the image.

**VISTASORT**







## COMPANY PROFILE

As a leader in supplying World Class Machinery, LMC has been offering solutions to the Food and Grain Industries for over 70 years.

LMC's focus on the process separates it from other manufacturers and drives us to design applications with specific purposes. LMC equipment is custom built for the required process whether for a food product or recyclable material and is adaptable for a variety of commodities.

Based on advanced CCD technology, our optical sorters have been developed with exceptional accuracy to increase the purity of products such as beans, pulses, grains, peanuts, rice, leaf tobacco and plastics. And because of this success, we have our optical sorters installed in more than sixty countries around the world.

## APPLICATIONS

The VistaSort will remove foreign material (sticks, debris, stones), color defects (caused by disease, immaturity or moisture damage), splits, and uncorticated seed in Pulse Crops such as Lentils, Beans and Peas. In Cereal Grains, we can remove all types of contaminants (sticks, hulls, stones), ergot, foreign material (i.e. wild oats), discoloured seeds, as well as immature and diseased kernels.

WHEAT



YELLOW PEAS



RED LENTILS



GREEN LENTILS



There is often little difference to distinguish between good and undesired materials. The VistaSort achieves the highest standard of sorting in the industry.

#### CANARY SEED



#### NAVY BEANS





## COMPONENTS

### EJECTORS

Imported from Italy. The ejectors contain a high-frequency electromagnetic solenoid valve that operates with a 10 billion ejection life, millisecond precision and a consistency of near-zero error to ensure high accuracy.



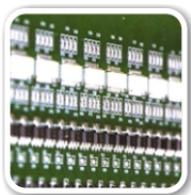
### DSP + FPGA

Our control chip is made in the USA. The combination of DSP and FPGA produces powerful computing capabilities. It has extremely fast data collection and can process large amounts of information and perform various operations simultaneously.



### CCD CAMERAS

A Japanese high-end 2048 pixel CCD chip camera can identify spots as small as 0.04mm. When coupled with intelligent algorithms, the optical design provides a more accurate color selection.



### INTELLIGENT IMAGE PROCESSING ALGORITHM

We have developed a complex algorithm so that even the smallest of impurities can be detected.



### OPTICAL SYSTEM

Compact system design, a precise calibration system, combined with an intuitive machine interface makes our machine operator friendly.



### 300MM WIDE CHUTE

Our 300mm wide chute is built with a special anodizing process and was designed to meet specifications required for many applications around the world.

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## LMC VISTASORT CCD TECHNICAL SPECIFICATION

PRODUCT NAME	CCD	CCD	CCD	CCD
MODEL	CCD - 2 - 126	CCD - 3 - 189	CCD - 4 - 252	CCD - 5 - 315
PRODUCT OUTPUT (MT/H)	1.0~4	2.0~6	3.0~8	4.0~10
SORTING ACCURACY	≥99.99	≥99.99	≥99.99	≥99.99
REJECTION BAD:GOOD (With Re-Sort)	≥10:1	≥10:1	≥10:1	≥10:1
WEIGHT (Kg)	670	820	970	1120
SMALLEST RESOLUTION (mm)	0.04	0.04	0.04	0.04
POWER (kW)	1.4	1.8	2.2	2.6
WARRANTY	ONE YEAR	ONE YEAR	ONE YEAR	ONE YEAR
POWER SUPPLY (voltage/frequency)	220V/60Hz	220V/60Hz	220V/60Hz	220V/60Hz

Output, sorting accuracy and rejection are dependent on percentage of impurities.

## LMC VISTASORT CCD TECHNICAL SPECIFICATION

MODEL	WIDTH X DEPTH X HEIGHT Dimensions (mm)	AIR REQUIREMENTS	POWER CONSUMPTION
CCD-2-126	1320 x 1500 x 2253	600 - 1500 L/Min, 0.6 - 0.8MPa	1.4 KW
CCD-3-189	1660 x 1500 x 2253	1000 - 2000 L/Min, 0.6 - 0.8MPa	1.8 KW
CCD-4-252	2020 x 1500 x 2253	1500 - 2400 L/Min, 0.6 - 0.8MPa	2.2 KW
CCD-5-315	2256 x 1500 x 2253	2000 - 3000 L/Min, 0.6 - 0.8MPa	2.6 KW

SEEDS ○ GRAINS ○ PULSES ○ BEANS ○ NUTS ○ RICE ○ COFFEE ○ TEA ○ TOBACCO ○ PLASTICS

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## TECHNOLOGY

Research and development on the LED lighting systems with the world's top lighting manufacturers has taken color sorting to new levels. The advancement of a more optimized optical system integrated with the calibration systems in German professional camera applications, has allowed our equipment to achieve the highest signal/noise ratio and vastly improve the stability of color sorting.

The human interface of our machines is very easy to operate, enabling operators of all experience levels to test and use the color sorter. Multilingual support provides all of our customers with improved support. Our optimized processing method provides superior color selection and ensures that our products meet the most stringent industry requirements.



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See the difference.™