

VISTA SORT^{IR}

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.

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



PEANUTS



WHEAT



YELLOW PEAS



CANARY SEED



RED LENTILS



GREEN LENTILS



BARLEY



MUSTARD



NAVY BEANS



SUNFLOWER

VISTASORT^{IR}

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.



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.

MODEL	CCD-1-72 IR	CCD-2-144 IR	CCD-3-216 IR	CCD-4-288 IR	CCD-5-360 IR
PRODUCT THROUGHPUT (MT/HR)	0.5 - 4	1 - 8	1.5 - 12	2 - 16	2.5 - 20
SORTING ACCURACY	≥ 99.9%				
REJECT BAD:GOOD (With Re-Sort)	≥ 10:1				
VISIBLE CAMERA RESOLUTION (mm ²)	0.04				
INFRA-RED CAMERA RESOLUTION (mm ²)	0.16				
MAX CONSUMPTION (Kw)	1.4	1.6	1.8	2.1	2.4
Volatage and Frequency	120 VAC/60Hz or 240 VAC/50 Hz				
Pressure	0.6 - 0.8 Mpa 90 - 115 psi				
Volume L/min (cfm)	300 - 750 (10 - 25)	600 - 1500 (20 - 50)	1000 - 2000 (35 - 70)	1500 - 2400 (50 - 85)	2000 - 3000 (70 - 105)
Weight kg (lbs)	250 (550)	400 (880)	600 (1320)	800 (1760)	1000 (2200)
Dimensions width x depth x height mm (in)	914 x 1651 x 2133 (36 x 65 x 84)	1245 x 1651x 2133 (49 x 65 x 84)	1524 x 1651 x 2133 (60 x 65 x 84)	1828 x 1651 x 2133 (72 x 65 x 84)	2133 x 1651 x 2133 (84 x 65 x 84)



Lewis M. Carter
835 - 58th Street E
Saskatoon, SK S7K 6X5
Toll Free: 800-667-6924
Ph: 306-242-9292
Fax: 306-934-4840
Email: info@lewismcarter.com