North Valley
AG & MILL EQUIPMENT

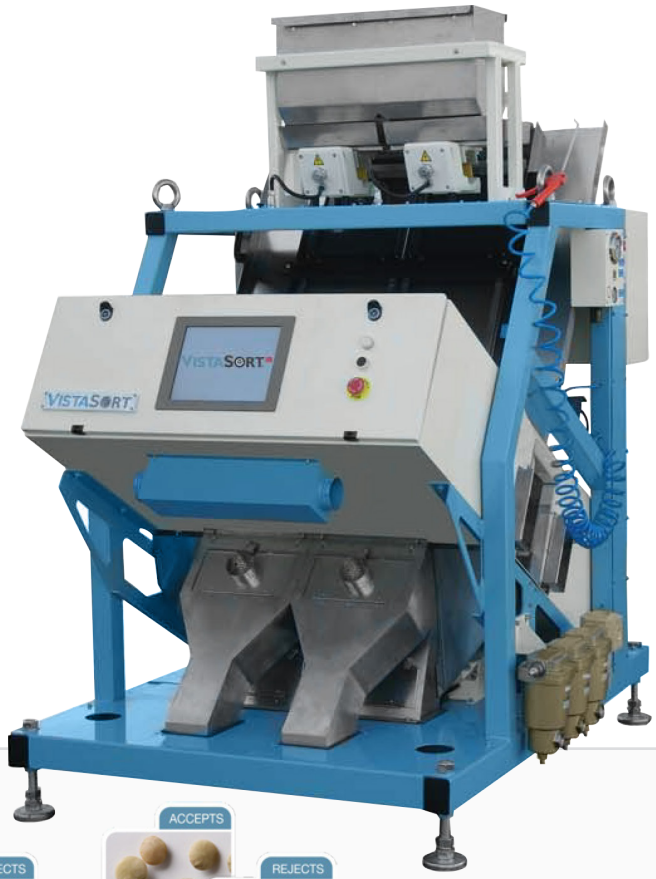
Colour Sorter

COLOUR SORTER

VISTASORT IR ©

The VistaSort will remove foreign material (sticks, debris, stones), color defects (caused by disease, immaturity or moisture damage), splits, and undecorticated seeds in Pulse Crops such as Lentils, Beans and Peas.

In Cereal Grains, all types of contaminants (sticks, hulls, stones), ergot, foreign material (i.e. wild oats), discoloured seeds, as well as immature and diseased kernels can be removed.



WHEAT

YELLOW PEAS

RED LENTILS

GREEN LENTILS

CANARY SEED

NAVY BEANS

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

COLOUR SORTER

10 SIZES TO CHOOSE FROM

SEAN MCGIVERN
NORTH VALLEY AG & MILL

PH: (519) 374-9300 or (902) 393-9097

EMAIL: sean@northvalleyagme.com
WEB: www.NorthValleyAgMe.com

02-2024

North Valley
AG & MILL EQUIPMENT

VISTASORT IR Colour Sorter *cont'd*

COMPONENTS:

EJECTORS

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

DSP + FPGA

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

CCD CAMERAS

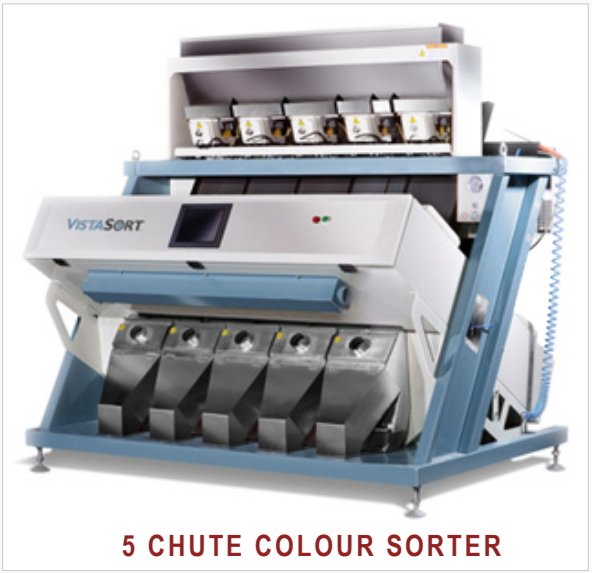
A Japanese high-end 5670-pixel CCD chip camera can identify spots as small as 0.04mm. The optical design provides a more accurate color selection when coupled with intelligent algorithms

OPTICAL SYSTEM

LMC has developed a complex algorithm so that even the smallest of impurities can be detected.

OPTICAL SYSTEM

Compact system design, a precise calibration system, and an intuitive machine interface make this machine operator friendly.



5 CHUTE COLOUR SORTER

300MM WIDE CHUTE

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

LMC
LEWIS M. CARTER

SEAN MCGIVERN
NORTH VALLEY AG & MILL
PH: (519) 374-9300 or (902) 393-9097
EMAIL: sean@northvalleyagme.com
WEB: www.NorthValleyAgMe.com

02-2024

LMC VISTASORT CCD TECHNICAL SPECIFICATION

MODEL	VISTASORT				
	CCD-1-63	CCD-2-126	CCD-3-189	CCD-4-252	CCD-5-315
Product Output Mt/hr	1 - 5	2 - 6	4 - 9	5 - 12	6 - 15
Power Consumption (Max KW)	1.5	1.5	2.2	2.9	3.6
Sorting Accuracy	>=99.99				
Reject (bad to good) w/resort	20:01				
Camera Resolution (mm2)	0.04				
Infra-Red Cameral Resolution (mm2)	0.16				
Power Supply	120 V/60 Hz				
Warranty	1 year from date of commissioning				
Weight kg.(lbs.)	650 (1433)	720 (1587)	840 (1851)	1000 (2205)	1165 (2658)

MODEL	WIDTH X DEPTH X HEIGHT mm (in)	AIR REQUIREMENTS	POWER CONSUMPTION (KW)
CCD-1-63	930 x 1570 x 2100 (37x62x83")	0.4 - 0.8 m3/min, 0.6-0.8 MPa / 20cfm, 90 – 115 psi	1.0
CCD-2-126	1244 x 1570 x 2100 (49 62x83")	0.5 – 1.0 m3/min, 0.6-0.8 MPa / 40cfm, 90 – 115 psi	1.5
CCD-3-189	1564 x 1570 x 2100 (62x62x83")	0.8 – 1.5 m3/min, 0.6-0.8 MPa / 60cfm, 90 – 115 psi	2.0
CCD-4-252	1864 x 1570 x 2100 (73x62x83")	1.0 – 2.0 m3/min, 0.6-0.8 MPa / 80cfm, 90 – 115 psi	2.4
CCD-5-315	2184 x 1570 x 2100 (86x62x83")	1.3 – 2.5 m3/min, 0.6-0.8 MPa / 100 cfm, 90-115 psi	3.0

Research and development on the LED lighting systems with the world's top lighting manufacturers has taken color sorting to new levels. In addition, the advancement of a more optimized optical system integrated with the calibration systems in German professional camera applications has allowed the equipment to achieve the highest signal/noise ratio and vastly improve the stability of color sorting. This optimized processing method provides superior color selection and ensures that these products meet the most stringent industry requirements. The human interface of these color sorting machines is very easy to operate, enabling operators of all experience levels to test and use the color sorter.

SEAN MCGIVERN
NORTH VALLEY AG & MILL

EMAIL: sean@northvalleyagme.com
WEB: www.NorthValleyAgMe.com

PH: (519) 374-9300 or (902) 393-9097