Real-time Machine Status Monitor

RGB CCD Sensor (2048 pixels)

Novel Dedicated
Special Ejection System

New Generation FPGA Processor

Optional NIR Technology

Large Touch Screen Panel

Main Features

Increased Productivity

◆ Dedicated digital sorting engine to deliver high speed sorting

◆ Wide flat chutes to increase throughput

Maximized Sorting Yield

◆ LED Lighting

◆ Resort capability reclaims good product from reject

Highest Sorting Accuracy

◆ High speed, high resolution, full color RGB CCD camera (2048 pixels) to detect tiny defects

◆ Advanced imaging technology to sort defects with minimum contrast

◆ Enclosed feeding system to provide better feeding and chute protection

◆ Infrared sorting (optional) to effectively sort foreign materials

User Friendly Operation

◆ Automatic sort setting by Artificial Intelligence (AI)

◆ Remote diagnostic over internet

◆ Easy software upgrade with USB

Ejection

◆ Specially made ejectors and optimized timing for low carryover, reduced air consumption

◆ Dual air supply for stable air pressure under high defect sorting

Technical Data (CF+ RGB Series)

Model	CF1+	CF2+	CF3+	CF4+	CF5+	CF6+	CF7+
Channels	60	120	180	240	300	360	420
Capacity(lb/h)	1,500-7,500	3,000-15,000	4,500-22,000	6,000-30,000	7,500-37,500	9,000-45,000	10,500-52,500
Power *	1.0	1.6	1.8	2.7	2.9	3.3	3.5
Air	20	40	60	80	100	120	140
Weight	1100	1900	2100	2600	2800	3500	3700
Width(inches)**	35	57	57	81	81	99	99

* Power for all the models is 220V, 60Hz

** Machine dimensions all the models: 63" (Depth) and 84" (Height), only Width varies with sofferent model

AMVT

Main Features

Advanced Technologies
♦ LED lighting for strong contrast and long life
♦ High resolution CCD camera for true color sorting
♦ Remote control over Internet
♦ Shape sorting in addition to color sorting

Highest Sorting Performance
♦ Stable feed by conveyor belt for better Shape sorting
♦ Minimized good products carryover in the rejects
♦ Accurate ejection for cleanest good products
♦ Shape sorting in addition to color sorting

Food User-friendly Operation
♦ Complete stainless steel build for food trade operation
♦ Effective dust collection
♦ Easy access for cleaning

User-friendly Operation
♦ Artificial Intelligence (AI) for easy sort settings
♦ Effective dust collection
♦ Easy access for cleaning
♦ Fault monitoring system

Technical Data (LD2 Series)

Model	60LD2	120LD2
Channels	120	240
Capacity	2,000 - 6,000	4,000 - 12,000
Power	Single phase, 220V, 60Hz, 2.0 Kw	Single phase, 220V, 60Hz, 3.0 Kw
Compressed Air (CFM @120)	20	40
Weight (lbs)	2,000	2,500
Width (LxWxH inches)	140 $^{9/16}$ x 47 $^{1/4}$ x 83 $^{7/16}$	140 $^{9/16}$ x 70 $^{7/8}$ x 83 $^{7/16}$

AMVT

Main Features

Advanced Vision System
◆ Sort by true color RGB, Near-Infra-Red and Shape
◆ High resolution cameras to direct any defects

Intelligent Software and Powerful Digital Image Processing
◆ 4th generation FPGA to high speed DSP to deliver power sorting algorithms
◆ Customized color model to support miscellaneous processing for True Color, NIR and Shape defects
◆ Support multiple sorting modes to minimize product change over time

Optimized Ejections
◆ Optimized blow time to reduce good products carried over into reject
◆ Ejector protection system to maximize ejector life time

Easy Operation
◆ Artificial Intelligence (AI) for easy sort settings
◆ Automatic faults monitoring and alarm
◆ Configurable re-sort capability
◆ Easy software upgrade by USB

Technical Data (I Series)

Model	I1	I2	I3	I4	I5	I6	I7
Channels	60	120	180	240	300	360	420
Capacity(lb/h)	1,500-7,500	3,000-15,000	4,500-22,000	6,000-30,000	7,500-37,500	9,000-45,000	10,500-52,500
Power *	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Air	20	40	60	80	100	120	140
Weight	1350	2200	2400	2900	3150	3750	4000
Width(inches)**	46	70	70	95	95	158	158

* Power for all the models is 220V, 60Hz
** Machine dimensions all the models: 73" (Depth) and 80" (Height), only Width varies with different model

AMVT

Flax Seed

Mustard Seed

Chia Seed

Rice

Sesame Seed

Lentil

Main Features

Advanced Vision System

◆ Sort by true color RGB, Near-Infra-Red and Shape , NIR is optional.

◆ High resolution cameras to direct any defects

Intelligent Software and Powerful Digital Image Processing

◆ 4th generation FPGA to high speed DSP to deliver power sorting algorithms

◆ Customized color model to support miscellaneous processing for True Color, NIR and Shape defects

◆ Support multiple sorting modes to minimize product change over time

Optimized Ejections

◆ Optimized blow time to reduce good products carried over into reject

◆ Ejector protection system to maximize ejector life time

Easy Operation

◆ Artificial Intelligence (AI) for easy sort settings

◆ Automatic faults monitoring and alarm

◆ Configurable re-sort capability

◆ Easy software upgrade by USB

Jumbo sorters!

Technical Data (RS Series)

Model	RS8-C	RS10-C
Channels	480	600
Capacity (lbs/h)	5~20	6~25
Power	220VAC, 60Hz, 3.6 Kw	220VAC, 60Hz, 4.2 Kw
Compressed Air	120 CFM @ 120 psi	150 CFM @ 120 psi
Weight (lbs)	3,500	4,290
Dimensions (W x D x H)	116 " x 62" x 82"	146 " x 62" x 82"

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