CF+ Series Color Sorter - RGB+Shape
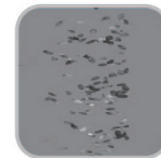

Real–time Machine Status Monitor

RGB CCD Sensor (2048 pixels)

Novel Dedicated
Special Ejection System

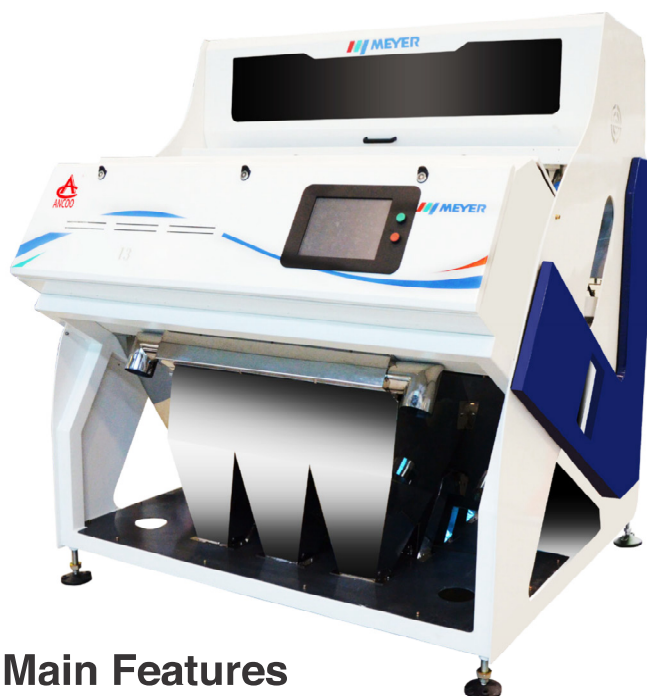New Generation FPGA Processor

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 (cfm@120 psi)	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 different model

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 (cfm@120 psi)	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

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