



**AN AUTHORIZED
DEALER**



 **metra**
625

**INTELLIGENT FULL COLOR
CCD COLOR SORTER**

PREMIUM QUALITY PRODUCTS

**BUY THROUGH LEGACY HEMP
FOR BETTER PRICING**

MULTIPURPOSE MACHINE SHAPE+COLOR SORTING INTELLIGENT SORTING

Presently, our company has developed more than 50 models of intelligent color sorters the can meet the color sorting requirement of millions of products, such as rice, tea, beans, medicinal herbs, seeds, shrimp, nuts, various kinds of dry goods such as plastic, jewelry, minerals and other special products.



Input



Accept



Reject



Input



Accept



Reject



Input



Accept



Accept



Input



Accept



Accept



Input




Accept




Accept

Premium quality products


 1303 S Frontage
Road; Suite 200
Hastings, MN, 55033

 www.LegacyHemp.com

 +1(612)790-6574

 james@legacyhemp.com

 [shorturl.at/dD389](https://www.youtube.com/shorturl.at/dD389)

 facebook.com/LegacyHempLLC

METRA COLOR SORTER HIGH ACCURACY SEPARATION RESULTS



CORN



CORN



HEMP AND
MORNING GLORY
SEEDS



STRIPED
SUNFLOWERS
SEEDS



PEELED
SUNFLOWER
SEEDS



WHITE
SUNFLOWERS
SEEDS



NUT CHIPS



LENTILS



FRIED LENTILS



RAISINS



SUNFLOWERS
SEEDS



UNPEELED
PEANUTS



PEELED PEANUTS



ROASTED
PEANUTS



CHICKPEAS



FAVA BEANS



COFFE BEANS



CUCUMBER SEEDS



WHEAT



PLASTIC

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TECHNICAL PARAMETERS AND PRICE COLOR SORTER «METRA»

Models	6AS-68 1 chute	6AS-136 2 chute	6AS-204 3 chute	6AS-272 4 chute	6AS-340 5 chute	6AS-476 7 chute	6AS-680 10 chute
The food grain processing capacity * bushels / hour tons / hour	40 – 80 1 – 2	80 – 160 2 – 4	120 – 240 3 – 6	160 – 320 4 – 8	200 – 400 5 – 10	280 – 560 7 – 14	400 – 800 10 – 20
Air pressure Mpa	0.4 - 0.6	0.5 - 0.7	0.6 - 0.8	0.6 - 0.8	0.6 - 0.8	0.6 - 0.8	0.6 - 0.8
Energy consumption kW / hour	1.0 - 1.3	1.4 - 1.8	2.0 - 2.2	2.5 - 2.9	5.3 - 6.2	7.5 - 8.7	8.5 - 10.9
Air consumption cubic feet / min. liter / minute	<35 <1000	<63 <1800	<95 <2700	<113 <3200	<134 <3800	<169 <4800	<215 <6100
Length in / mm	67 / 1700	69 / 1750	69 / 1750	89 / 2250	93 / 2350	114 / 2884	170 / 4300
Width in / mm	55 / 1400	65 / 1650	65 / 1650	67 / 1700	60 / 1520	61 / 1549	69 / 1750
Height in / mm	67 / 1700	71 / 1800	71 / 1800	77 / 1950	89 / 2250	67 / 1692	87 / 2200
Voltage	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Phase	Single	Single	Single	Single	Single	Single	Single
Weight Lbs / kg	886 / 401	1124 / 510	1565 / 710	2306 / 1046	2360 / 1070	3197 / 1450	5436 / 2466

Professional solution for product sorting, quality classification & impurity removal

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**"Mini" Intelligent CCD
Multi-function Color Sorter**
metra 6as-68



**Intelligent CCD 2 Chute
Multi-function Color Sorter**
metra 6as-136



**Intelligent CCD 3 Chute
Multi-function Color Sorter**
metra 6as-204



**Intelligent CCD 4 Chute
Multi-function Color Sorter**
metra 6as-272



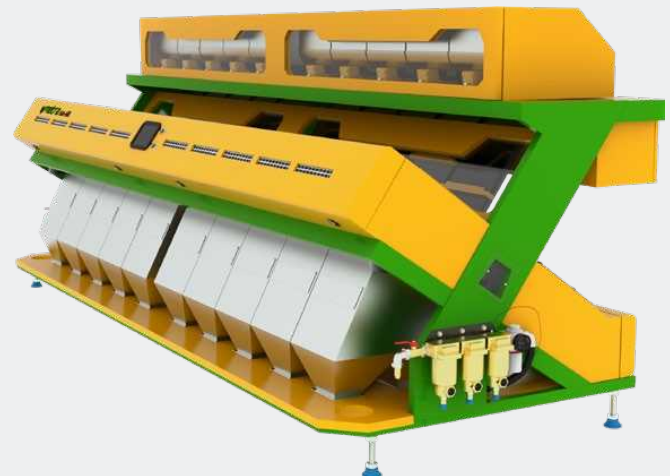
**Intelligent CCD 5 Chute
Multi-function Color Sorter**
metra 6as-340



**Intelligent CCD 7 Chute
Multi-function Color Sorter**
metra 6as-476



**Intelligent CCD 10 Chute
Multi-function Color Sorter**
metra 6as-680



COMPLETELY NEW UPGRADE

The 4th Generation
Intelligent Full Color
CCD Color Sorter







Multipurpose machine

- ✓ Increased Precision
- ✓ Higher Capacity
- ✓ More Efficient
- ✓ Simpler Operation



Premium quality products

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“MINI” INTELLIGENT CCD MULTI-FUNCTION COLOR SORTER

Simpler
Operation

Increased Precision
Less Carryover

More Efficient
Higher Capacity



Capacity * 40 - 80 bushels/hour
1 - 2 tons/hour

Sorting Accuracy * $\geq 99.9\%$

Power 1.0 - 1.3 Kw

Air Pressure 0.4 - 0.6 Mpa

Air Consumption <35 cubic feet/minute
<1000 liter/minute

Dimension 37 x 59 x 56 inch
95 x 151 x 143 cm

Weight 573 lbs
260 kg

* Note: The specific index varies on the basis of different materials with different rate of foreign/impure materials.



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PROFESSIONAL SOLUTION FOR PRODUCT SORTING, QUALITY CLASSIFICATION & IMPURITY REMOVAL

Intelligent CCD 2 Chute
Multi-function Color Sorter


Multipurpose machine




Shape+Color sorting Smart sort
at one go





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INTELLIGENT CCD 2 CHUTE MULTI-FUNCTION COLOR SORTER

Multipurpose
machine

Full monitoring
remote control

High sorting
accuracy &
Increased sorting
performance



Capacity *	80 - 160 bushels/hour 2 - 4 tons/hour
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Sorting Accuracy *	≥99.9%
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Power	1.4 - 1.8 Kw
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Air Pressure	0.5 - 0.7 Mpa
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Air Consumption	<63 cubic feet/minute <1800 liter/minute
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Dimension	51 x 59 x 70 inch 129 x 151 x 177 cm
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Weight	970 lbs 440 kg
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* Note: The specific index varies on the basis of different materials with different rate of foreign/ impure materials.



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INTELLIGENT CCD 3 CHUTE MULTI-FUNCTION COLOR SORTER

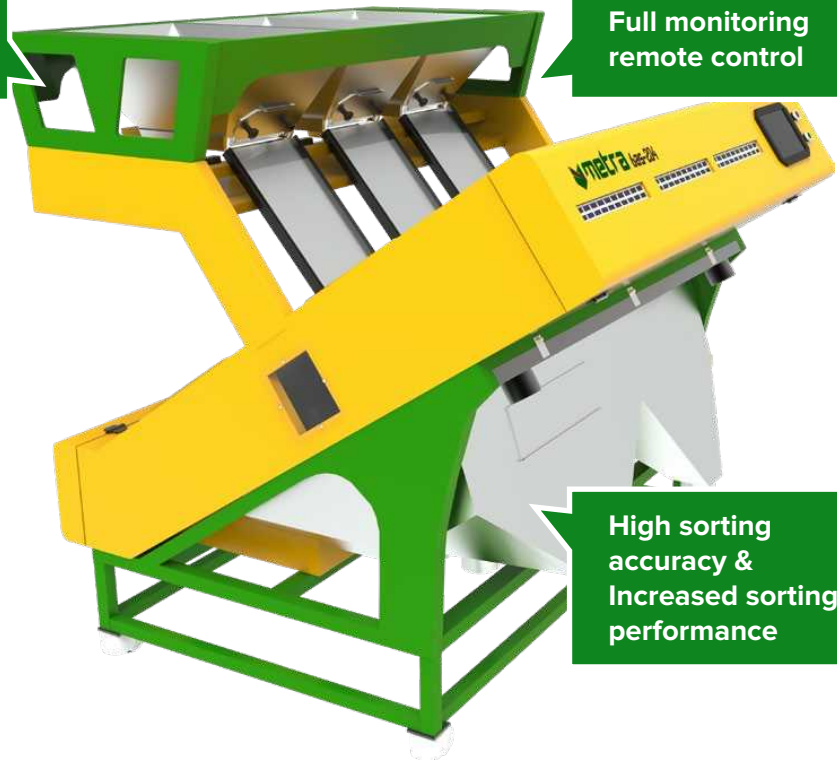
Multipurpose machine

Full monitoring remote control

High sorting accuracy & Increased sorting performance

Capacity *	120 - 240 bushels/hour 3 - 6 tons/hour
Sorting Accuracy *	≥99.9%
Power	2.0 - 2.2 Kw
Air Pressure	0.6 - 0.8 Mpa
Air Consumption	<95 cubic feet/minute <2700 liter/minute
Dimension	63 x 60 x 104 inch 159 x 153 x 265 cm
Weight	1279 lbs 580 kg

* Note: The specific index varies on the basis of different materials with different rate of foreign/ impure materials.



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metra 6as-272



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INTELLIGENT CCD 4 CHUTE MULTI-FUNCTION COLOR SORTER

Multipurpose machine

Full monitoring remote control

Capacity * 160 - 320 bushels/hour
4 - 8 tons/hour

Sorting Accuracy * $\geq 99.9\%$

Power 2.5 - 2.9 Kw

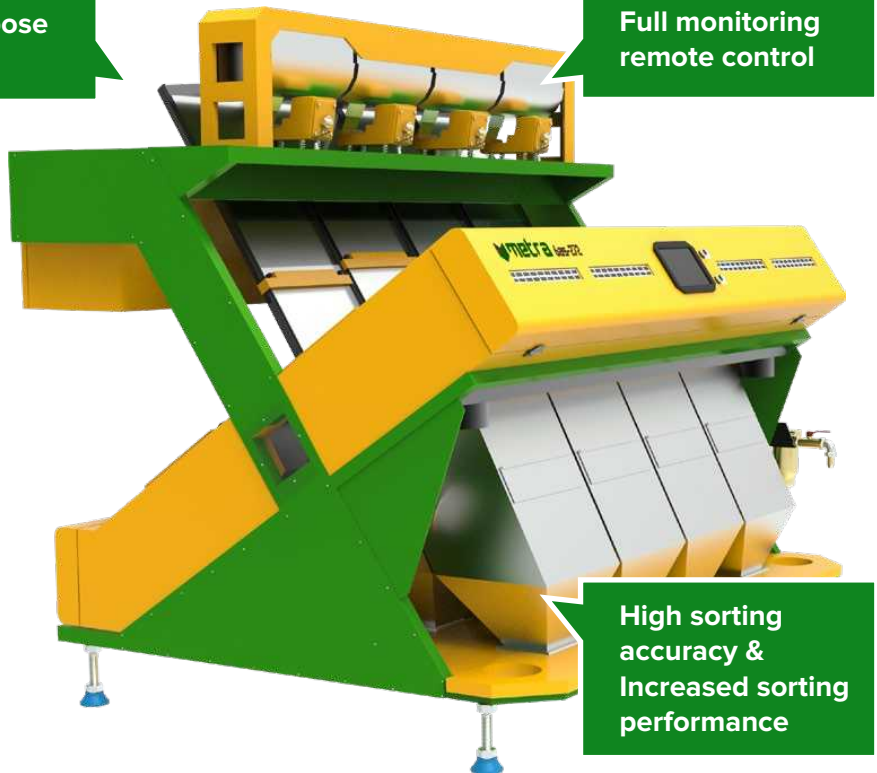
Air Pressure 0.6 - 0.8 Mpa

Air Consumption <113 cubic feet/minute
<3200 liter/minute

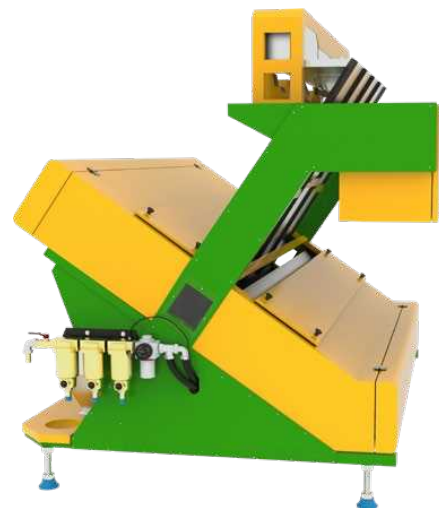
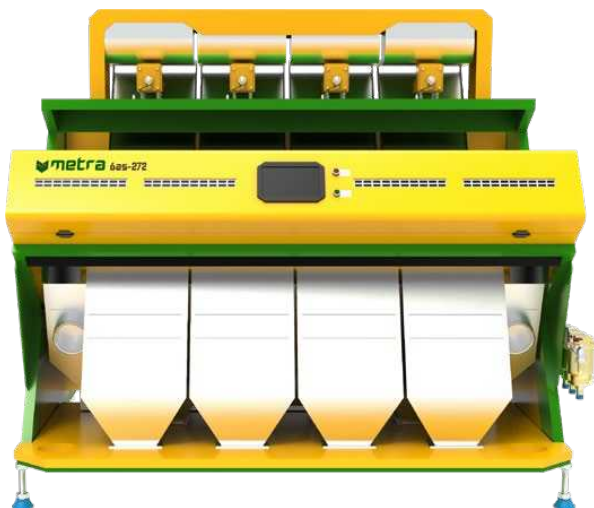
Dimension 79 x 60 x 83 inch
201 x 153 x 210 cm

Weight 1808 lbs
820 kg

* Note: The specific index varies on the basis of different materials with different rate of foreign/ impure materials.



High sorting accuracy & Increased sorting performance



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Multi-function Color Sorter


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INTELLIGENT CCD 5 CHUTE MULTI-FUNCTION COLOR SORTER

Multipurpose
machine

Full monitoring
remote control

Capacity * 200 - 400 bushels/hour
5 - 10 tons/hour

Sorting Accuracy * $\geq 99.9\%$

Power 5.3 - 6.2 Kw

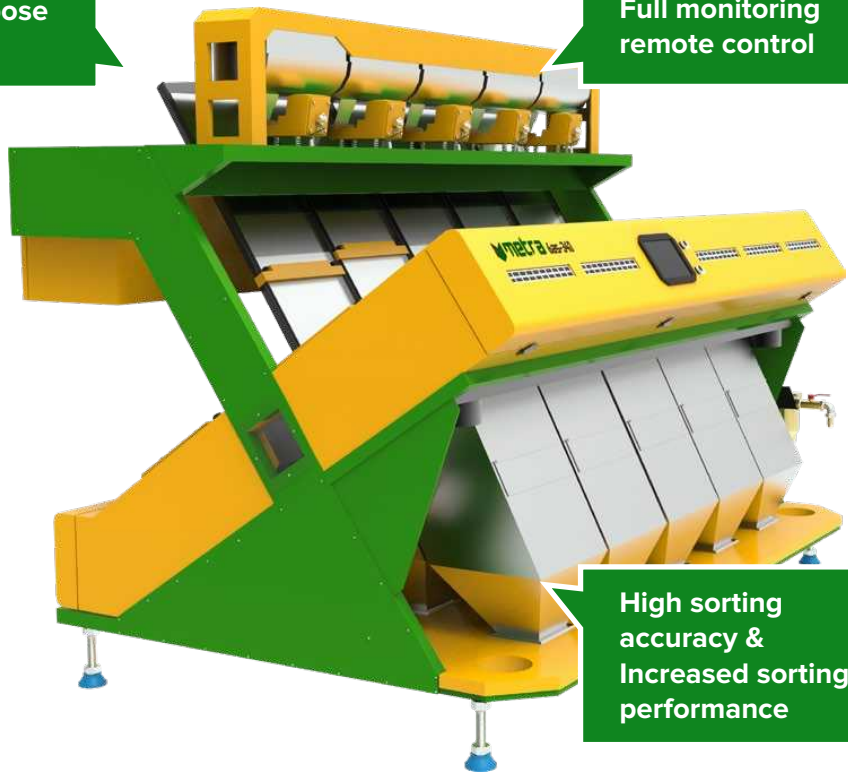
Air Pressure 0.6 - 0.8 Mpa

Air Consumption <134 cubic feet/minute
<3800 liter/minute

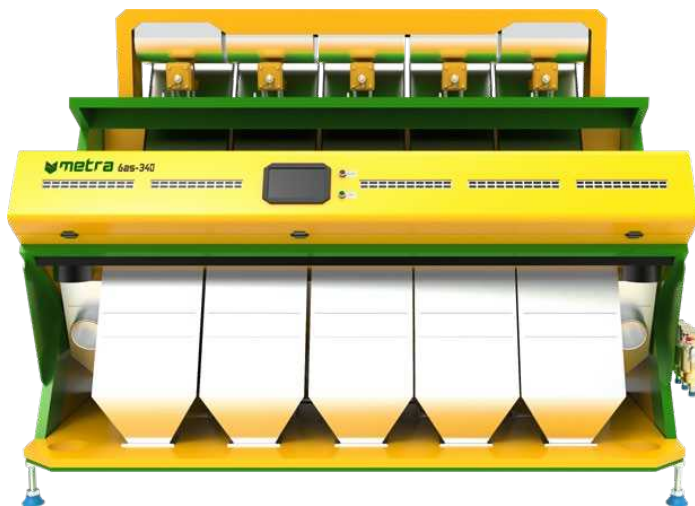
Dimension 79 x 60 x 83 inch
201 x 153 x 210 cm

Weight 2360 lbs
1070 kg

* Note: The specific index varies on the basis of different materials with different rate of foreign/ impure materials.



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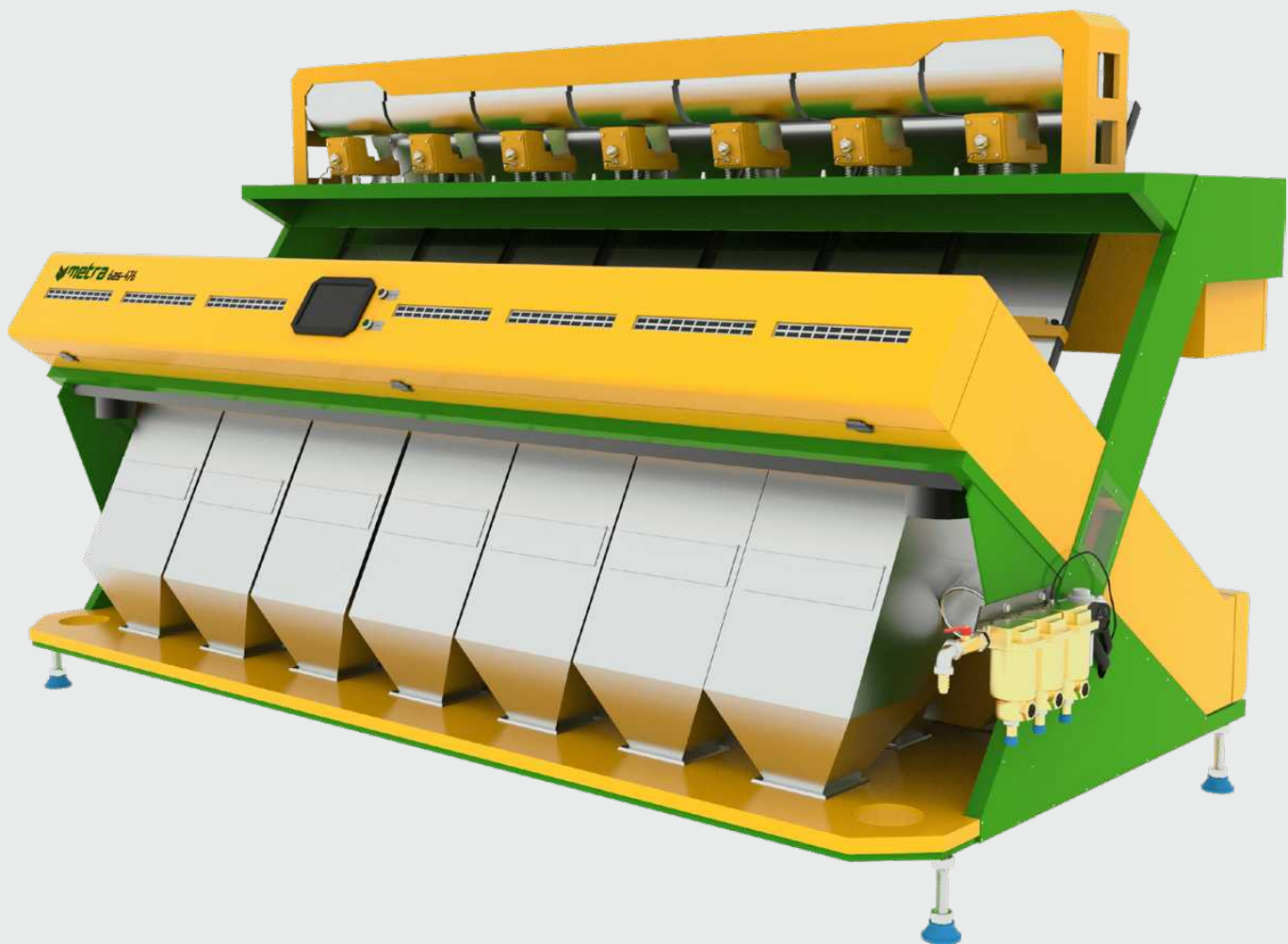
PERFECT FUNCTION AND OPTIMIZED CUSTOMER EXPERIENCE.

Intelligent CCD 7 Chute
Multi-function Color Sorter

Multipurpose machine




Shape+Color sorting Smart sort
at one go





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INTELLIGENT CCD 7 CHUTE MULTI-FUNCTION COLOR SORTER

Multipurpose
machine

Full monitoring
remote control

Capacity * 280 - 560 bushels/hour
7 - 14 tons/hour

Sorting Accuracy * $\geq 99.9\%$

Power 7.5 - 8.7 Kw

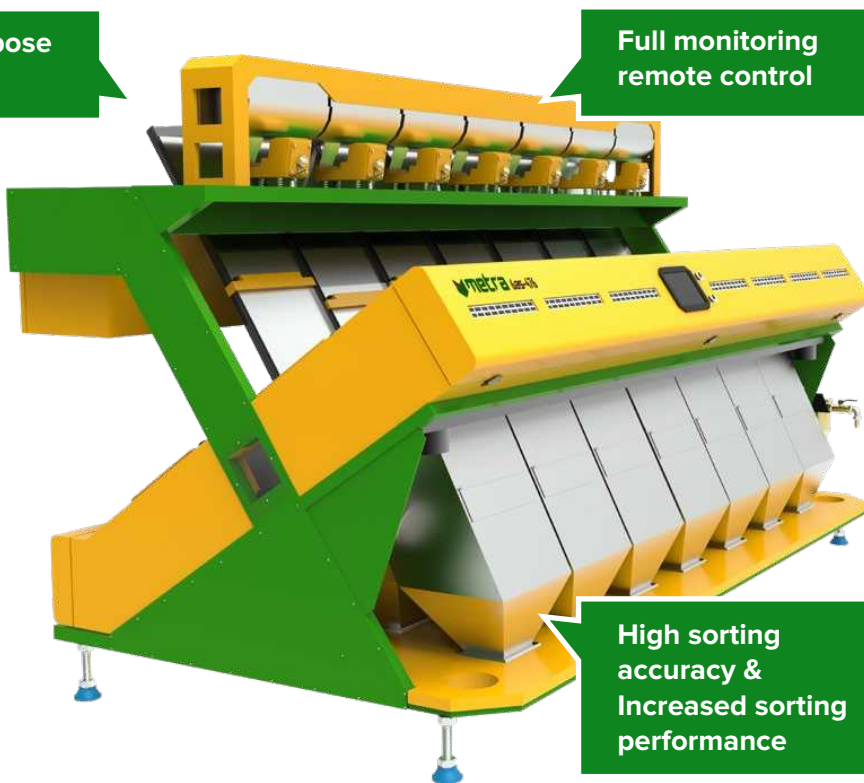
Air Pressure 0.6 - 0.8 Mpa

Air Consumption <169 cubic feet/minute
<4800 liter/minute

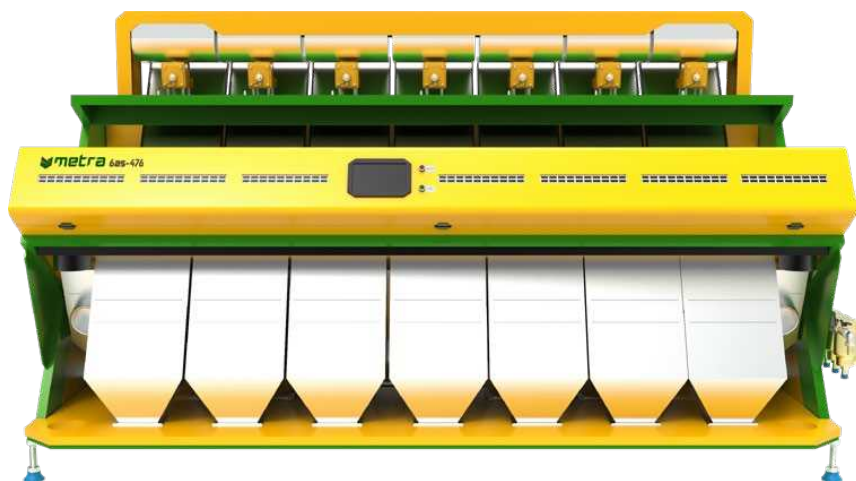
Dimension 114 x 67 x 61 inch
288 x 169 x 155 cm

Weight 3197 lbs
1450 kg

* Note: The specific index varies on the basis of different materials with different rate of foreign/ impure materials.



High sorting
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Increased sorting
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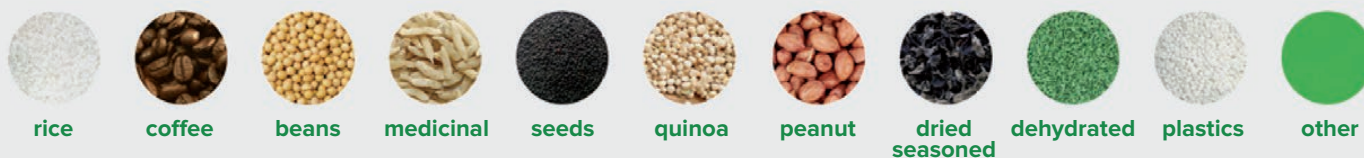
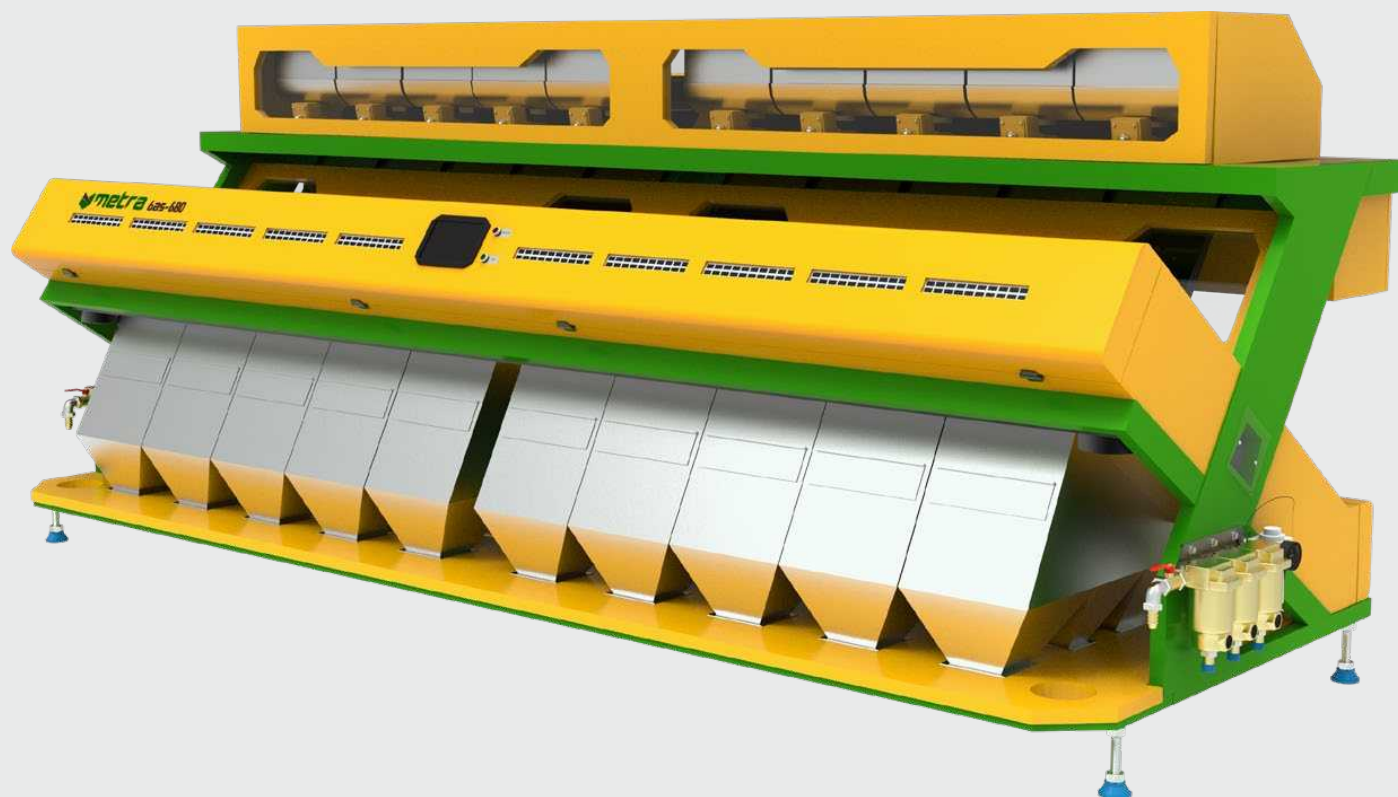
THE YIELD OF THIS MACHINE IS SO HUGE

Intelligent CCD 10 Chute
Multi-function Color Sorter

Multipurpose machine




Shape+Color sorting Smart sort
at one go





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INTELLIGENT CCD 10 CHUTE MULTI-FUNCTION COLOR SORTER

Multipurpose
machine

Full monitoring
remote control

Capacity * 400 - 800 bushels/hour
10 - 20 tons/hour

Sorting Accuracy * $\geq 99.9\%$

Power 8.5 - 10.9 Kw

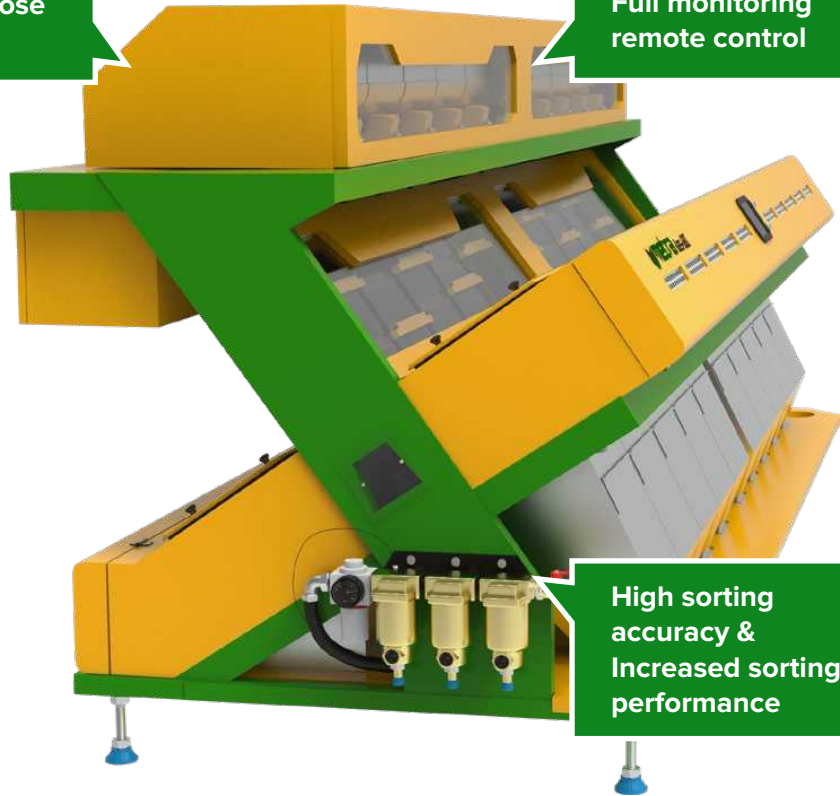
Air Pressure 0.6 - 0.8 Mpa

Air Consumption <169 cubic feet/minute
<6100 liter/minute

Dimension 165 x 60 x 89 inch
420 x 153 x 225 cm

Weight 4850 lbs
2200 kg

* Note: The specific index varies on the basis of different materials with different rate of foreign/ impure materials.



High sorting
accuracy &
Increased sorting
performance



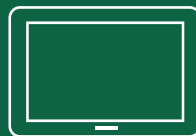
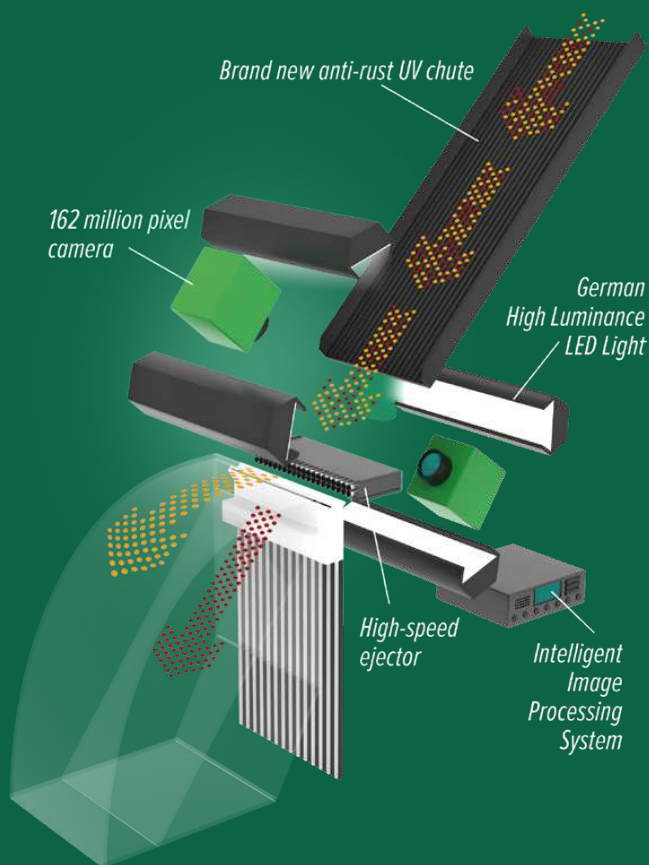
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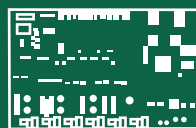
8 ADVANTAGES OF THE INTELLIGENT FULL COLOR CCD SORTER



Remote Control and One-Key Operation

Detachable Lenovo tablet with a personalized operation system, 30 initial memorization sorting programs, One-key automation switchover and adjustment.

Intelligent Image Processing System



Identification scanning ability with speeds of up to 30,000 times per second/ Real time large data analysis that can fulfill many complex algorithms.



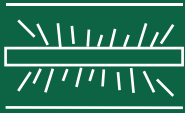
High-speed transmission system

High speed internet with tech support TP/TCP protocol, Internet remote maintenance function meaning that your system could be set up remotely by experts with accordance to your needs - This allows you to have the correct set up without clicking a button! Allow our experts to set up your configuration.



Advanced Image Acquisition

With 162 million pixel, super high-resolution full color Toshiba CCD camera, defects as small as 0.01mm² can be sorted out (Impurity value can be adjusted according to different commodities and customers needs in order to meet different batch and sorting requirement.)



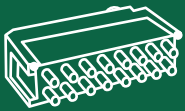
German High Luminance LED Light

Shadow free LED lighting system with high luminance, precise detection, and a stable frequency that ensures the highest sorting accuracy.



Brand new anti-rust UV chute

Wide-angle design, anti-rust, non-toxic & harmless aluminium alloy - in line with international safety standards, ensuring the smooth slide of the commodity, reduce waste, and achieve the maximum capacity. Customizable according to different commodities.



High-speed electromagnetic ejector

Imported metal-magnetic levitated ejector that passed a pressure test 2 billion times, making it durable, fast responding - with precise detection & improved accuracy while reducing energy consumption.



Flexible mode wide application

One machine that can achieve screening to various commodities while meeting the color sorting requirement of any and all agricultural products, industrial products and other special commodities.

METRA COLOR SORTER OPTOELECTRONIC CO.,LTD

Camera:

Phoenix, made in China

CCD:

Toshiba, made in Japan

Power Supply Chip:

TI, made in USA

LED:

Osram, made in Germany

SMPS:

Omron, made in Japan

Discrete Device:

ON, made in USA

Filter:

YSC, made in Korea

Cylinder:

SMC, made in Japan

Core Process:

Intel, made in USA

D/A Chip:

ADI, made in USA

MULTIPURPOSE MACHINE

WE HAVE CREATED A COLOR SORTER SUPERIOR TO ANY OTHER BY TAKING GERMAN TECHNOLOGY AS A BASIS YET MAKING THE COLOR SORTER 30% CHEAPER, THREE TIMES MORE PRODUCTIVE AND TWO TIMES STRONGER.

SIMPLE OPERATION

ONE person is all it takes to operate. The color sorter works automatically; you just need to turn it ON and monitor the process.

SERVES OVER 20 YEARS

We strengthened the components of the Color Sorter by Two times.

7 MODELS OF COLOR SORTERS

Productivity from 40 to 800 bushels per hour (1 to 20 tons per hour).

5 YEAR WARRANTY

No other Brand offers a Color Sorter with such a long guarantee.

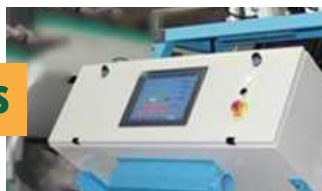
GOOD PRODUCTS SHOWING IN POWER

METRA COLOR SORTER VS "OTHER" BRAND COLOR SORTER IN THE MARKET

OPERATING SYSTEM



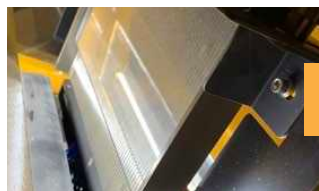
VS



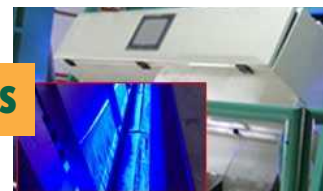
METRA color sorter comes with a mobile tablet computer, easy to use operation interface, and sustainable updated system, with no additional cost - WiFi remote operation, while debugging and detecting materials simultaneously.

Other color sorters use a stationary industrial computer. The operating system is outdated & inconvenient, and it cannot be continuously upgraded. When the product requirements are continuously improving, without the capability of a software update the only choice is for the software to be eliminated or replaced.

LED LIGHT



VS



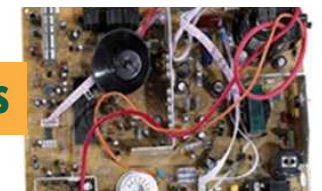
METRA color sorter is a color CCD system: The light source is white light with high brightness, long life, with a stable light source that can identify the material as the actual color - the material of a similar color can be selected meaning that the color selection effect provides better results.

Other manufacturers' color sorters are white CCD systems. The light source presents blue light or other colors. The identification materials are black, gray and white. It is difficult to identify the materials with similar colors.

PROCESSING SYSTEM



VS



METRA color sorter uses an intelligent and efficient processing system, with a fast response that can maximize the material selection rate. The system comes with sustainable upgrades - increasing the unlimited choice of material selection.

The processing system of other manufacturers' color sorters is backward, the response speed is slow and the net effect of material selection is affected. The system cannot be continuously upgraded limiting its capabilities.

CAMERA LENS



VS



The METRA color sorting machine adopts a multi-billion pixel high-speed camera, which can identify the true color of materials in high-definition, it can recognize the color accurately while identifying the material diameter as small as 0.04mm.

The number of pixels in other manufacturers' color sorters is 20.48 million, and the identification material is black and white imaging. The identification color is fuzzy, and the minimum diameter of the material is 0.08mm.



SERVICE COMMITMENT

24/7 technical support.

An intelligent system is built into each model with the help of which we can connect to the machine at any time, help you adjust your required settings, or make diagnostics before the cleaning season, as well as after it.

We take care of everything from delivery to training



Delivery anywhere in the world



Complimentary lifetime support



Set up on site and remotely



We provide training on how to operate the equipment



Professional solution for product sorting, quality classification & impurity removal



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INTELLIGENT SORTER / SORTING STEP IN PLACE

HIGH EFFICIENCY, HIGH QUALITY, LOW COST

FASTER

Easy, fast

only one key operation via tablet PC, no waiting, pick the grain in one step, save time and low consumption.

EFFICIENT

Time saving, labor saving

Intelligent sorter for high speed, stable output / machine 1 hours, =10 people 8 hours, saving time and effort

ECONOMIC

Low cost ,more functions

selection kinds of material via one device, Providing processing production, reduce production costs

HIGH QUALITY

Better quality, no damage

special chute, accurate elimination of various impurities, nutrition is not lost, food is delicious, more healthy



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