

AMIRTHAA

Color SorterX

THE MOST EFFICIENT & RELIABLE
COLOR SORTERS IN THE INDUSTRY



A Multi Grain Color SorterX

RANGE OF PRODUCTS STARTING
FROM 140 - 440 CHANNELS

ARECAZ
ELECTRONICS

www.amirthaasorters.com

CLEAN & RELIABLE FOOD

ARECAZ ELECTRONICS is a leading Color Sorter manufacturer badges with the name AMIRTHAA in INDIA, having networks around the country and we cooperate with our agents and distributors creating world's premium products.

We develop advanced sorting solutions adopting new high-technology and the latest sorting method with new series of product line to meet customer satisfaction in food processing industries. We provide customers with a wide range of options and applications according to customer's requirements for sorting grain & seed food products like White Rice, Parboiled rice, Dal/Pulses, Wheat, Rye, Bean, Sunflower seeds, Pumpkin seeds, etc.

AMIRTHAA is improving Color Sorter in order to provide the best sorting solutions for our customers aiming to enable the customers to get high productivity and quality products with good performance.

AMIRTHAA DIAMOND

SPEED AND ACCURACY THAT ONLY INNOVATIVE TECHNOLOGY CAN PRODUCE.

PRODUCE ACCURATE RESULTS ON A SUSTAINING BASIS

- From lighting systems to ejector design, from electronics to metallurgy, the Amirthaa DIAMOND series exemplifies the highest standards and newest technologies in optical sorters. All AMIRTHAA sorters are self-adjusting, automatic and easy to operate. Plus, Amirthaa DIAMOND sorters have been designed to pack more power into a smaller space. ARECAZ ELECTRONICS's engineers have created workhorse sorters that will benefit virtually any sorting application. Rugged and reliable, from a value standpoint, no other sorters compare to Amirthaa DIAMOND.
- Compact small footprint, Low cost, High capacity color sorter
- High-speed, Digital signal processing technology
- High-Resolution CCD camera
- Self monitoring with auto calibration during operation
- Touch screen operator interface
- Very high ejector density
- LED Technology



AMIRTHAA DIAMOND SPECIFICATIONS :

MODEL	DIAMOND 200	DIAMOND 240	DIAMOND 280
CAPACITY	3.5 TPH	4 TPH	5 TPH
AIR REQUIREMENT	20 HP / 60 CFM / 6 BAR	25 HP / 72 CFM / 6 BAR	25 HP / 80 CFM / 6 BAR
POWER REQUIREMENT	4 KVA	5 KVA	6 KVA
VOLTAGE	230 VAC - 50/60 HZ	230 VAC - 50/60 HZ	230 VAC - 50/60 HZ
DIMENSION (L X W X H) IN"	71" X 54" X 71"	71" X 54" X 71"	71" X 54" X 71"



CAMERA (No More Flaws)

Top industrial 2048 pixel camera for color sorter, identification and recognition have been improved obviously. Adopting world-class optical lens, within the definition of up to 0.08 mm, be able to identify a subtle color and a very small flaws.



EMBEDDED SYSTEM (Unique Technology)

The more detailed features of the AMIRTHAA include an EMBEDDED SYSTEM for its outstanding sorting ability. The automated adjusting system reflects the plate and grain value. To assist with shape recognition and shape monitoring the machine can control the impurity condition of the batch through this function.

AMIRTHAA JUMBO

A GIANT LEAP FORWARD IN INTELLIGENT OPTICAL SORTING FOR RICE.

For rice processors who refuse to compromise.

Engineered and designed exclusively for rice processors, never before have so much precision, flexibility and simplicity been available, with such control over each individual defect. Featuring Amirthaa's brand-new software and advanced proprietary inspection system, the AMIRTHAA JUMBO demonstrates a total commitment to providing the ultimate sorting solution to rice processors who refuse to compromise:

- Ultimate sorting performance with highest ever capacity
- High-speed, digital signal processing technology
- High-resolution CCD camera
- Self monitoring with auto calibration during operation
- Touch screen operator interface
- Very high ejector density & Outstanding productivity
- Superior ease of use and serviceability
- LED Technology



AMIRTHAA JUMBO SPECIFICATIONS :

MODEL	JUMBO 320	JUMBO 360	JUMBO 400	JUMBO 440
CAPACITY	5.5 TPH	6 TPH	6.5 TPH	7 TPH
AIR REQUIREMENT	30 HP / 110 CFM / 6 BAR	30 HP / 110 CFM / 6 BAR	35 HP / 130 CFM / 6 BAR	40 HP / 130 CFM / 6 BAR
POWER REQUIREMENT	7.5 KVA	8 KVA	9 KVA	10 KVA
VOLTAGE	230 VAC - 50/60 HZ	230 VAC - 50/60 HZ	230 VAC - 50/60 HZ	230 VAC - 50/60 HZ
DIMENSION (L X W X H) IN"	85" X 54" X 71"	85" X 54" X 71"	102" X 54" X 71"	102" X 54" X 71"



EJECTOR (Smart - Intelligent)

Amirthaa Sorting machines are equipped with a new specialized EJECTOR, improve sorting accuracy and reduce carryover rate, air consumption reduce more than 20%. An intelligent algorithm based on color and shape is adopted, and special processing for yellows, stained, pinpoint blackheads etc. Our rice color sorter employs imported EJECTOR for accurate, effective material rejection and long service life.



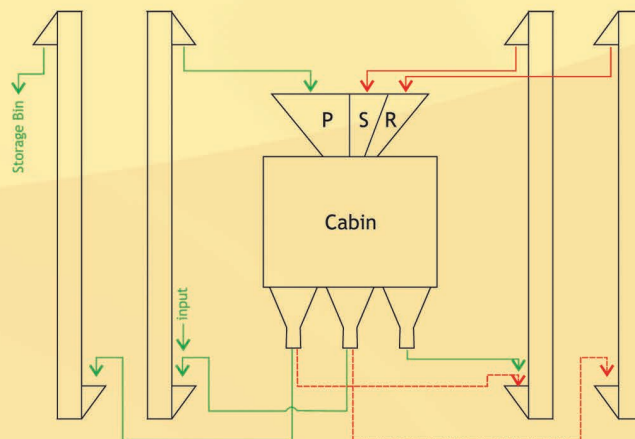
TOUCH SCREEN (Desired Level of Performance)

Operating AMIRTHAA is made easy with clear bright TFT LCD TOUCH SCREEN Interface Module. The menus has been designed for easy and simplicity of use. Fewer and simple steps of menus and parameters make the machine to suit for variety products and give the user desired level of performance.



ONE SORTING SOLUTION FOR ALL GRAINS!

INSTALLATION



ARECAZ
ELECTRONICS

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