Technical Specification

FRAME			2 FRAME		4 FRAME		7 FRAME		
Model			ICONIC ATF 64	ICONIC ATF 128	ICONIC ATF 192	ICONIC ATF 256	ICONIC ATF 320	ICONIC ATF 384	ICONIC ATF 448
Performance Specs.	*Processing Capacity (Tons/Hr)	Wheat	1 to 1.2	1.1 to 2.2	2.2 to 4.5	2.8 to 5.6	3.4 to 6.7	4 to 7.6	4.5 to 8.96
		Dhal	1 to 1.2	1.1 to 2.2	2.2 to 4.5	2.8 to 5.6	3.4 to 6.7	4 to 7.6	4.5 to 8.96
	Chute (No of Channels)	Primary Sorting	304 x 1	304 x 1	304 x 2	304 x 2½	304 x 3	304 x 4	304 x 4
		Resort 1 Sorting	0	150 x 1	150 x 1	304 x 1	304 x 1	304 x 1	304 x 2
		Resort 2 Sorting	0	150 x 1	150 x 1	150 x 1	304 x 1	304 x 1	304 x 1
	*Sorting Accuracy		99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
	*Rejection Ratio		≥6:1	≥6:1	≥6:1	≥6:1	≥6:1	≥4:1	≥6:1
Electrical Specs.	Voltage (V)		AC 220 / 50 HZ						
	Power Required (KVA)		3	3	5	5	7	7	10
Penumatic Specs.	Air Pressure Required kg/square CM		7.5						
	*Air Required (CFM)		30	50	70	90	120	130	140
Mechanical Specs.	Weight Max. (kg)		300		750		1350		
	Dimension (LxWxH)		1225 x 1715 x 1850		1885 x 1715 x 1850		2875 x 1715 x 1850		

***Technical Specifications

\# Specified commodities profile size < 5 mm

* Sorting performance depends upon Variety , Input contamination and condition of raw material. The capacity range given is for 2 to 5 % contamination at tested condition
* Capacity means " Throughput"
* Air consumption will be more in case of higher rejection rate for raw materials with higher contamination
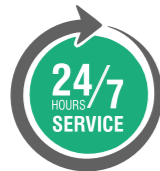* **Final Rejection ratio depend upon the resort**
* **Configuration Changes "Programmable"**
* Technical Specifications may change without prior information due to continous R&D

OUR ADVENTAGE

24/7 HOURS SERVICE

DELIVERY ON TIME

BEST PRICE GUARANTEE

BEST PRICE!

AYSHA
ENGINEERING WORKS
ISO:9001:2015

AYSHA ENGINEERING WORKS
Satpal Agro Compound, Tavadiya Cross Road, State Highway , Sidhpur - 384151. Dist : Patan, Gujarat.
Mobile No: +91 98250 67596, + 91 99130 67208,
Email id: ayshaeng_110@yahoo.com, Web : www.ayshaengineeringworks.com

Manufacturer by
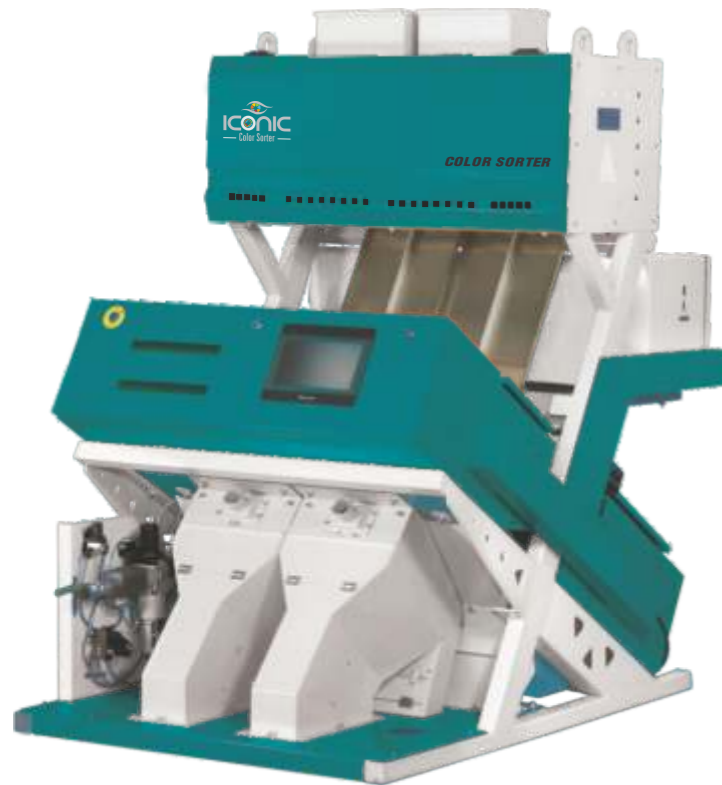**ORANGE Sorting Machines (India) Private Limited.**
SF No. 90/3, Aadhavan Industrial Estate, Atthipalayam Road, Chinnavedampatti, Coimbatore - 641 049, Tamil Nadu, INDIA.

mask : 9925387272

ICONIC
Color Sorter

Smart
Food
Processing
Machinery

ICONIC
Color Sorter
COLOR SORTER

ATF SERIES

Machine

ICONIC
Color Sorter

Sesame (White) **Sesame (Black)** **Wheat**

Coriander **Pumpkin Seed** **Thulsi Seed**

Masoor Dal **Tuar Dal** **Channa Dal**

Moong Dal Yellow **Moong Dal** **Urad Dal**

"PERFECTION IN
EVERY GRAIN"

Truly add power to your sorting strength with its improved software & hardware capabilities such as quad level sorting technology and one millisecond jet valve ejector. This series machines are the combination of the best technology available today and our decade years of experience in the color sorting industry to give you the ultimate benefit of getting consistent good purity in sorting with minimum loss of good grains in the rejection that means more profit to you.

This machine is designed unique with powerful software that makes billions of right decisions to identify the size of defect & spot defect to arrive upon the acceptable product that pass through the high tech line scan camera in a millisecond.

Technical Features

TECHNOLOGY

l High sensitivity, High resolution, High speed camera with 12,288 pixels and built in Binning option.

l Camera with 60,000 scans per second, Image processor gets 12,28,80,000 pockets of pixel data in one second .

l High speed Ejectors with response time of E1 milli second are used .

l American FPGAs with 50 million gates fabricated using 28 nano meter advanced technology.

l Matrix LED Purity with proportional Tonnage and Good rejection ratio are key performance indicators of your BRAND and BUSINESS. Image processing with DSP makes ICONIC COLOR SORTER to give best performance to cost ratio. Images are being supported by 99.9% identical high performance LEDs.

l Reliability FPGAs integrate number of Silicon components with ultra high density and increase the reliability. The FPGAs used in our sorters were earlier were used in Space Science for better reliability.

l Consistency The performance factors are kept consistent over period. Auto Hue maintain the operator set quality same as in a whole batch .

l Longevity Life of sorters are mainly decided by life of ejectors. Optimisation of

l number of cycles is achieved with intelligent Ejector Control Software.

l Easy operation Optitune selection makes user to set the required quality in a short time for any new Batch. Auto Background setting allows less time to get optimum performance. It has 64 Pre set Programs which user can select at flick of a button to get required performance.

l Easy serviceability Online Machine Monitoring will help millers and service engineer to view essential machine health parameters through OMM you can order your spares from your place. All this datas will be stored in our Orange Server.

l Running cost ROI Intelligent defect detection and Ejection control system makes sorter to consume appreciably Lowest Air. In turn it reduces the powers consumption of sorting system.

l Dust Control Suction blower with adequate negative pressure incorporated in ICONIC COLOR SORTER. It keeps inspection area clean and enhances performance and reliability (Optional)