




INNOVATION IN RED CHILLI SORTING

FASO
Color Sorter



Camera
with 5400 pixels 

4D
Image Processing 

Super Brain
System 

Advanced
User Interface 

LED
lighting 

Artificial
Intelligence 

High Speed
1000Hz Ejector 

PUGOS TECHNOLOGIES
Color Sorting Machine Manufacturers

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Color Sorting Machine Manufacturers

Faso color sorter established at 2008 and specialized in designing and manufacturing of color sorting machines from India. Over 10 years of experience, our company offers professional color sorters according to your material type and configuration to the food and non-food processing industries.

We make high end sorting machine for commodities like Rice, Dhall, Wheat, Millet, Seeds, Spices, Tea, Coffee, Nuts, Dehydrated Vegetables, Fruits, Salt, Sugar, Recycled Plastics, Paper, Glass, Metal, Mining and Stones. Our advanced sorting machines sort by color, size, shape and material with superior precision, performance and efficiency. The complete machines are manufactured using cutting edge advanced machines.

Our color sorters having strong market share in global markets like America, Asia, Africa, Australia and Europe. In India we have over 25 Service centers with over 50+ team members to take care of after sale support.

Our sorting machines have been designed to meet the highly demanding standards of food safety and quality, and for non-food industries, to deliver maximum product purity for best value.

NX SERIES

Our **NX series** industry color sorter is engineered and designed to sort Red Chilli with the help of cutting edge Ultra High Resolution, HD Artificial intelligent cameras. It effectively removes basic defects like stick, black, green and other discolor to almost challenging defects to produces excellent results with good quality sorting with minimum rejection. Our **NX series** industry color sorter adapting Artificial intelligence with cutting-edge vision system improves the sorting performance in multiple folds. Being available in different frame sizes, it suits all capacity requirements based on the customer expectation.

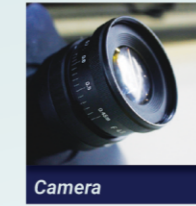
FASO Color Sorter



Model	Size (mm)	Power(kw)	Capacity(t/h)	Power input
6SXL-300	3810*990*1880	1.4	0.5 - 1	220V/50Hz
6SXL-600	3810*1310*1880	1.8	1 - 2	220V/50Hz
6SXL-1200	3810*1930*1880	3.1	2 - 3	220V/50Hz
6SXL-1200 (Double)	3842*1930*2630	3.3	2 - 3	220V/50Hz

Note

1. The throughput and parameters may be different according to the input contamination of the raw material.
2. The specifications can be changed without notice.



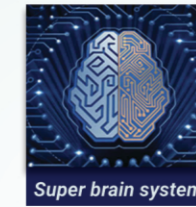
Camera

RGB Camera with 5400 pixels is the key element of NX series sorters providing high resolution images to identify the defects accurately. It uses 24-bit processing and can provide ultra-high resolution HD image of 190 million pixels which can detect defects down to 0.06mm size.



Image Processing

In the Artificial intelligence mode our software is capable of 4D sorting which includes R+G+B+SIZE. Image processing is possible in any orientation and uses the particle centering algorithm which identifies the center of the rice particle exactly. The self learning algorithm sorts the materials based on shape and size. It is available in both forward and reverse sorting modes.



Super brain system

Super brain system allows sorting based on the characteristics of the material. This advanced system provides best classification parameters based on Artificial Intelligence and satisfies the requirements for custom sorting.



Ejector

High speed ejectors pushes the defective rices out of the flow path. With 0.1ms response time, the ejector operates at a frequency of 1000 Hz. High quality ejectors with excellent life of over 10 Billion cycles optimizes and reduces the air consumption reducing the overall working cost.



FPGA

The core of the system which is the high performance 28nm FPGA provides extremely reliable hardware architecture because of its compact design. Multi core design offers better reliability and durability. The electronics has extended life time due to 65% low power consumption.



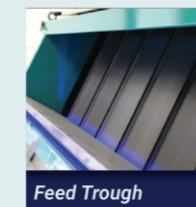
LED

The high performance LED offers ultra-brightness for clear images at high speed. These LEDs have an extremely long life and our specialized electronics provide intensity control. for different materials for optimised sorting and also to increase the life of the LED's



User Interface

Our design philosophy is centered around user-friendly software to control the machine. Our UI is intuitive and simple to use with intergated internet connectivity to provide remote access for support and updates. High end embedded computer with up to 5 GHz communication speed enables remote self learning and quick setting time.



Feed Trough

We use High-quality and ultra-wide trough for material feeding. Our high speed feeders and chutes ensures uniform flow of material offering higher production rate in line with international standards. These wide chutes ensure smooth material flow and better sorting.

SORTING SAMPLES



Raw material



After sorting



Rejection



Raw material



After sorting



Rejection





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THE
ULTIMATE
SORTING
MACHINE