

About Us

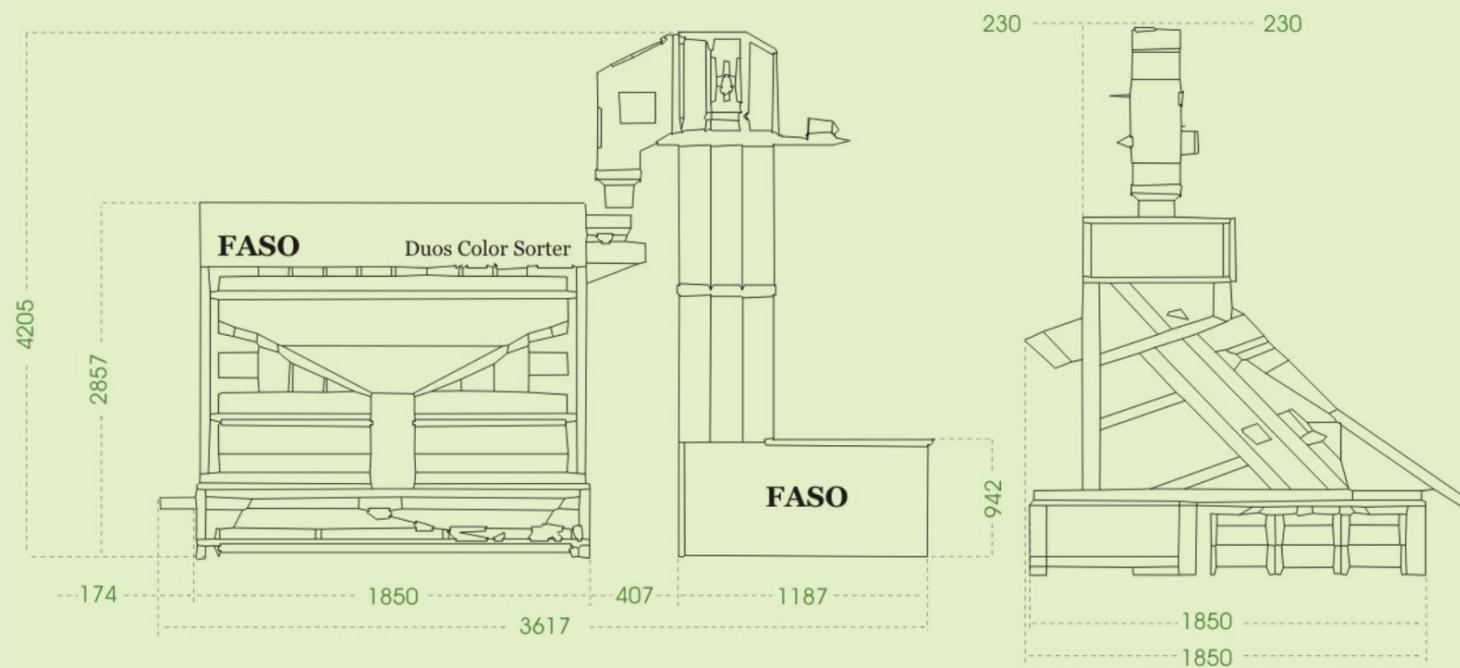
Pugos technologies is a technology company founded by a team of technocrats with more than 10 years of experience on the field of industrial cameras and image processing. The team has worked for multitude of industries ranging from Food, Automotive and Manufacturing industries.

Our combined expertise in the field of mechanical design, software and electronics gives us the leverage to build world class products for automated sorting and inspection



In Pugos the primary goal is to provide cost effective high quality sorting system with unmatched features using cutting edge technology

Technical Diagram



DUOS Series

FASO Color Sorter



PUGOS TECHNOLOGIES

11, Valluvar Nagar, Kamarajar Road,
Peelamedu, Coimbatore - 641 004.
Tamilnadu. INDIA

Tel : 0422 - 2580504
Email : info@pugostech.com
Web : www.pugostech.com

Agent Contact details:

Design: ANGLER Technologies

The Ultimate Sorting Machine

www.pugostech.com

DUOS Series

Our FASO range of sorting machines is the first of its kind in Tea sorting system with specialized features for high quality, fast and accurate sorting with ease of use. FASO DUOS Series uses ultra high resolution line scan cameras to inspect the product to be sorted. FASO is the First Indian sorting machine to use the real camera technology. Every particles is imaged by cameras and verified by FASO's proprietary intelligent image processing based algorithm. The advanced image processing technology gives higher level of defect detection which leads to efficient sorting. Computer based system monitoring gives unmatched sorting performance even during the variations in lighting and product color.



Specifications*

Model	Size L x W x H (mm)	Capacity # (Kg / Hour)	Power Consumption (kW)	Air Consumption # (hp)	Operating Voltage (Volts)
DUOS 120 x 2	3617 x 1880 x 4205	500 kg/h	4 kW	15 hp	230 Vac 50 - 60Hz
DUOS 105 x 2	3617 x 1880 x 4205	425 kg/h	4 kW	15 hp	230 Vac 50 - 60Hz
DUOS 90 x 2	3617 x 1880 x 4205	375 kg/h	3 kW	10 hp	230 Vac 50 - 60Hz
DUOS 75 x 2	3617 x 1880 x 4205	300 kg/h	3 kW	10 hp	230 Vac 50 - 60Hz
DUOS 60 x 2	3617 x 1880 x 4205	250 kg/h	3 kW	7.5 hp	230 Vac 50 - 60Hz

The capacity and air consumption depends on the impurity level of input rice.

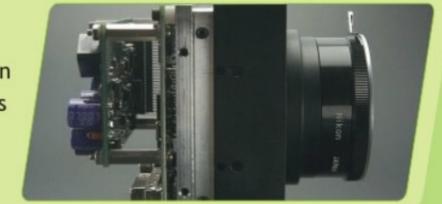
* The specifications can be changed without notice.

Special Features

- Rejects Brown particles in Tea
- Eliminate red ends and all stalks
- Negligible black tea rejected with stalk
- Less Air consumption
- Fully Computerised system can store 'n' number of settings for variety of products
- Automatic Cleaning - Periodic wiping to keep the viewing area clean
- Flexibility to configure the defect size
- Individual component test utilities - easy debugging
- Advanced valve analyzer - Fail safe performance
- Data Logger - Record of complete system activity for enhanced service ability

Technology

2048 pixel high resolution cameras can detect defects down to 0.09mm size



Intelligent image processing algorithm enhances the sorting efficiency



High performance FPGA and DSP gives the extremely reliable hardware architecture



Computer based system monitoring gives consistent sorting even during variations in external parameters like lighting



Ultra high resolution color touch screen with user friendly GUI makes the user interface simple



1 msec of high speed ejectors can eject up to 1000 times / second which maximize the production capacity and reduce good mixup in reject material



Sorted Samples

Black Tea



Green Tea

