

INDIA'S NO. 1 BRAND  
in sorting machines  
that gives you  
ACCURATE RESULTS  
GREAT PERFORMANCE

&  
**GOOD**  
SERVICE BACKUP



*India's Largest Selling Color Sorter Brand*

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# TEA SORTER



Sorting Solutions  
Redefined.



### Orthodox Tea | Green Tea

**Stalk removal** While picking leaf and bud due to non standard some of the stalk also picked, this stalks reduces the Tea quality. The color of the stalk is different from color of leaf, by using this difference "DSX8 will remove stalk without leaf wastage.

**Bloom** Processed tea will be having bloom on it surface [glossy effect] when tea hits over another [or] in Foreign particles [or] Foreign body will make tea to lose the bloom.

**Tea Breakage** Tea leaf is an very light and fragile material, the leaf tends to break if it is handled at higher speed and force, we are maintaining sophisticated slow moving feeding conveyor geared elevator, distribution vibrators and delivery conveyors to avoid leaf breaks.

**2048 Pixel Resolution and 4.5 Meters per second Scanning Speed** The input commodity passes through a powerful camera of fine 2048 Pixel Resolution And 4.5 Meters Per Second scanning speed to ensure great output quality for your product.

**Software** The intelligence of outline mapping to find shape & size of defect, and edge detection to capture spot defect, supports in making billions of right decisions within a millisecond is partnered with precisely engineered hardware making the machine robust and perfect in delivering ultimate performance in its class.

**FPGA** As usual you can keep counting on us because we are using Field Programmable Gate Array with 5 million gates that is designed and manufactured in Germany especially for ORANGE.

**Programmable Defect Size** Take full control on the defect size in your product. Now you can instruct the machine to measure the length and width of the defect's size in your input commodity and accept or reject it according to your need.

**Diagnostic & Easy Trouble Shooting** Diagnostic facility can measure voltage, current, air pressure and status at different stages to identify the condition of the machine inside. Further, you will easily understand the problems in the machine as we have facilitated it with error codes. These codes will indicate you about the component that needs to be changed or what action to be taken to troubleshoot.

**Machine Build** We use highly reliable industrial grade components for building the machine and the chutes are made of aluminium and hard anodized for smooth flow of material, thus increasing the machine's reliability manifold.

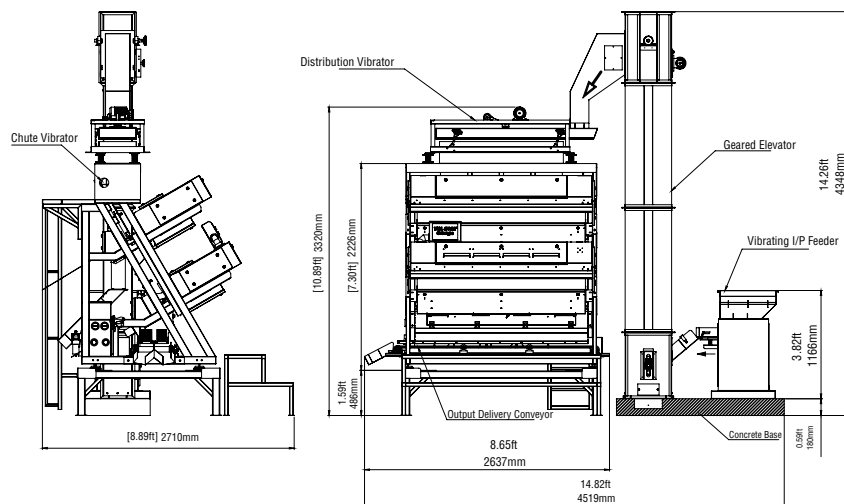
**Internet Connectivity In Full Duplex** Now it's as good as you and our backend service team is virtually sitting right in front of your Tea Color Sorter. Control the machine from your laptop and in case if you need any assistance in settings or trouble shooting, we'll do it for you from our office. Also get the machine to send reports to office (Optional).

**User Friendly Human Machine Interface** Now let your fingers do the magic with the user friendly and interesting 10.5 inch touch screen computer preloaded with 10 varieties of tea sorting modes. It displays the key parameters screen to screen to ease the operator in controlling the machine and get maximum performance.

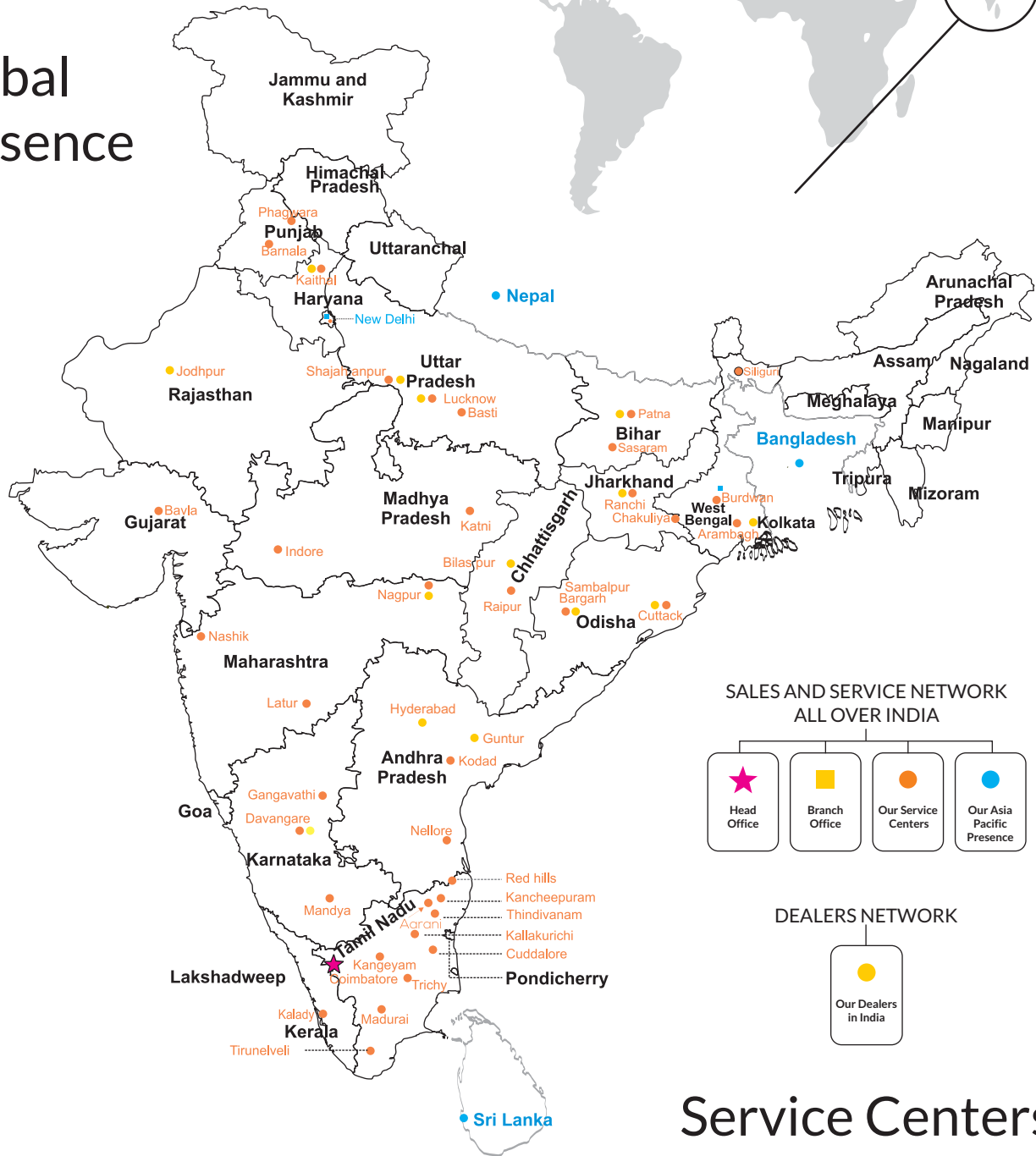
## Technical Specification

***Technical Specifications				
Product Name	TEA SORTER	TEA SORTER	TEA SORTER	
Model	DS4	DS6	DS8	
* Processing Capacity (Kgs/Hr)	100 to 250	200 to 400	250 to 550	
* Sorting Accuracy	99.80%	99.80%	99.80%	
* Rejection Ratio	≥ 15:1	≥ 15:1	≥ 15:1	
Chute Dual Stage	Top	2	3	4
	Bottom	2	3	4
No. of Cameras	Top	2	3	4
	Bottom	2	3	4
Camera	CCD camera 2048 pixel			
Weight (kg)	1500			
Dimension (L x W x H) (Including Elevator)	4519 x 2710 x 4348			
Voltage (v)	AC 220V 50HZ +/- 2%			
Power Required (KVA)	5	5	7.5	
** Air Pressure KG/CM <sup>2</sup>	6.12 to 8.15			
Air Required (LPM)	2000 to 3000			

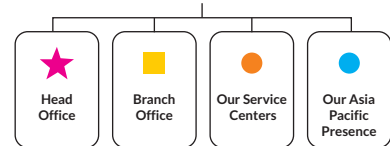
\* This specification is applicable for Tea product. Sorting size of Leaves ≤ 15 mm.  
 \* Sorting performance depends upon Variety, Input contamination and condition of raw material. The capacity range given is for ≤ 10% contamination.  
 \* Capacity means "Throughput" and it depends upon the type of product and contamination % present in the input product quality.  
 \* Air consumption will be more in case of higher rejection rate for raw materials with higher contamination.  
 \* Technical Specifications may change without prior information due to continuous R&D.



# Global Presence



## SALES AND SERVICE NETWORK ALL OVER INDIA



## DEALERS NETWORK



# Service Centers Across India

OSM/SNM/CTG003/01/00

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