



COMMANDOR SQUARE



Experience smarter sorting with advanced AI technology



SORTING SYSTEM

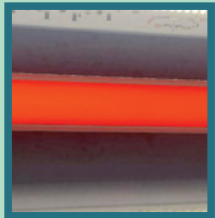
AI INTELLIGENT COLOR SORTER



RGB
CAMERA



INTELLIGENT
OPERATING
SYSTEM



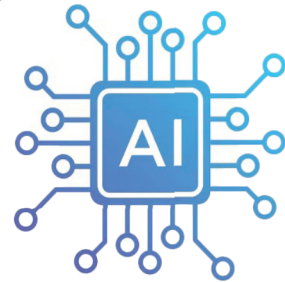
LED
LIGHTS
SYSTEM



INTELLIGENT
DIMMING
SYSTEM



TOUCH
SCREEN

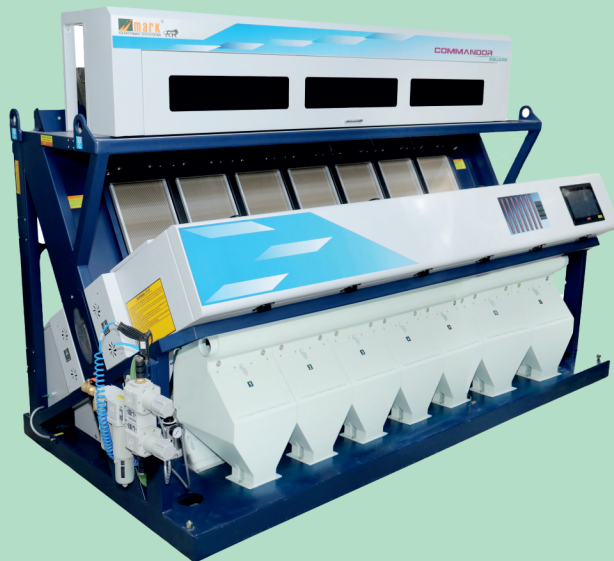
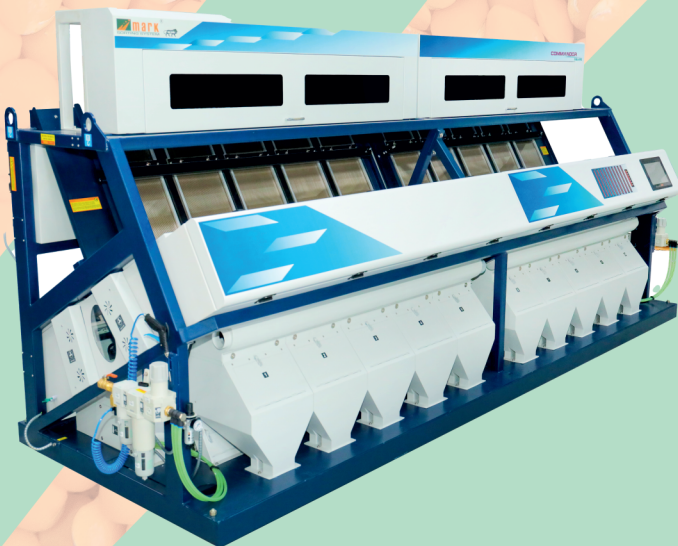
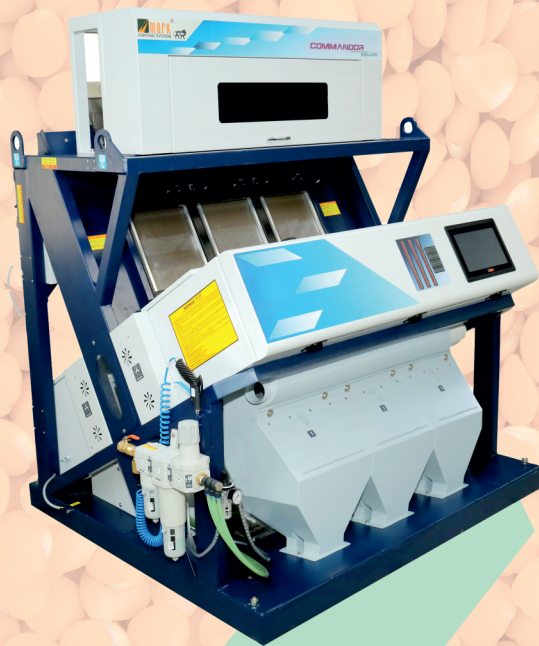


TECHNICAL FEATURES

- High-Resolution Optical Sensors / Cameras Equipped with high-speed Trichromatic RGB cameras to accurately detect minute color differences and surface defects.
- Advanced Image Processing System Uses real-time image analysis and intelligent algorithms to classify materials based on color, shape, and brightness.
- Intelligent sorting technology intelligent study data classification 5400x3 pixel RGB sensor
- High-Speed Sorting Mechanism Capable of processing large volumes of material per hour with precise separation at high through put rates.
- Pneumatic Ejection System Utilizes fast-response air jets to remove unwanted or defective items without damaging the product.
- User-Friendly Control Interface Features a touchscreen HMI for easy operation, monitoring, and parameter adjustment. Self-Diagnostic and Fault Detection System Continuously monitors performance and alerts operators to errors or maintenance needs.

Chute Option Available	1 Chute 32 Channels	1 Chute 63 Channels	1 Chute	2 Chute	3 Chute	4 Chute	5 Chute	6 Chute	7 Chute	8 Chute	10 Chute	12 Chute
Chute Distribution (P+S+F)	1	1	1	1+1	2+1	2+1+1	3+1+1	4+1+1	4+2+1	5+2+1	6+2+2 or 6+2+1+1	7+3+2 or 7+2+2+1
Output (TPH) for Rice/Dal	0.500 to 1.0	0.75 to 1.5	0.75 to 1.5	1 to 2	1.5 to 2.5	2 to 4	3 to 5	3.5 to 5.5	4 to 6	5 to 7	6 to 8	7 to 9
No. of Camera (F&R)	1+1	1+1	1+1	2+2	3+3	4+4	5+5	6+6	7+7	8+8	10+10	12+12
Air Requirement @7.5cm ²	15 CFM	28 CFM	28 CFM	38 CFM	54 CFM	72 CFM	96 CFM	113 CFM	132 CFM	150 CFM	180 CFM	230 CFM
Compressor Requirement	5 HP Screw	7.5 HP Screw	7.5 HP Screw	10 HP Screw	15 HP Screw	20 HP Screw	25 HP Screw	25 HP Screw	30 HP Screw	30 to 40 HP Screw	40 HP Screw	50 HP Screw
Dimension (LxWxH) Ft	1.94 x 4.16 x 4.76	3 x 4.65 x 4.81	3.63 x 4.88 x 5.97	4.1 x 4.88 x 5.97	5.19 x 4.88 x 5.97	6.33 x 4.88 x 5.97	7.46 x 4.88 x 5.97	8.59 x 4.88 x 5.97	9.73 x 4.88 x 5.97	10.87 x 4.88 x 5.97	13.83 x 4.88 x 5.97	16 x 4.88 x 5.97
Cabin Dimension (LxWxH) Ft	Movable type with wheel	Movable type with wheel	7x10x8	8x10x8	9x10x8	10x10x8	12x10x8	13x10x8	14x10x8	16x10x8	18x10x8	20x10x8

Note1 : Output Load and Rejection will be vary depend upon input materials contamination and dust.
 2 : Above mentioned load is against 2 % input impurity and 99.9 % accuracy.



Precision • Performance • Profit

Enhance your product quality with advanced Color Sorting Technology designed for maximum accuracy and minimum rejection loss. Our intelligent machines detect and remove defective, discolored, broken, and foreign materials with high-speed precision.



SORTING SOLUTIONS :



KIDNEY BEANS



CHICK PEAS



**BLACK
EYED PEAS**



**YELLOW
MOONG DAL**



PEPPER



**GREEN
MOONG DAL**



LENTIL BEANS



URAD DAL

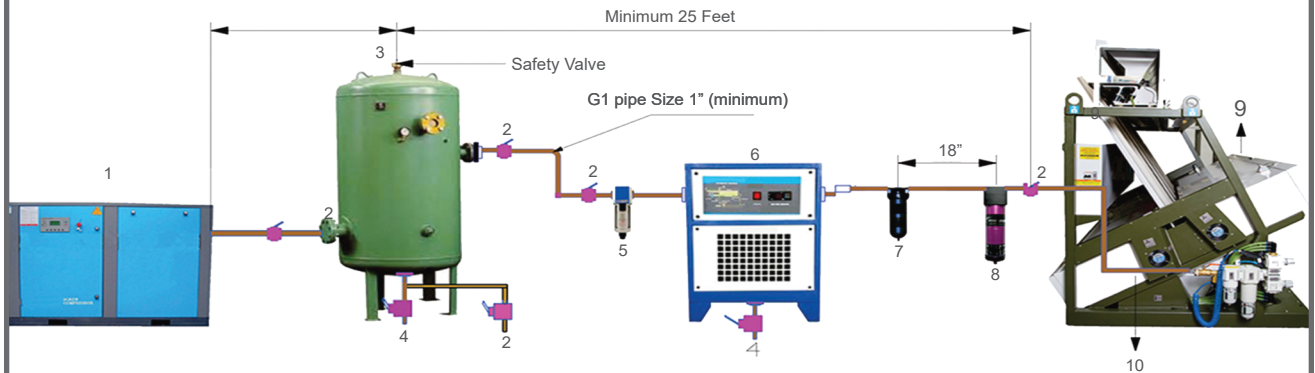


TOOR DAL

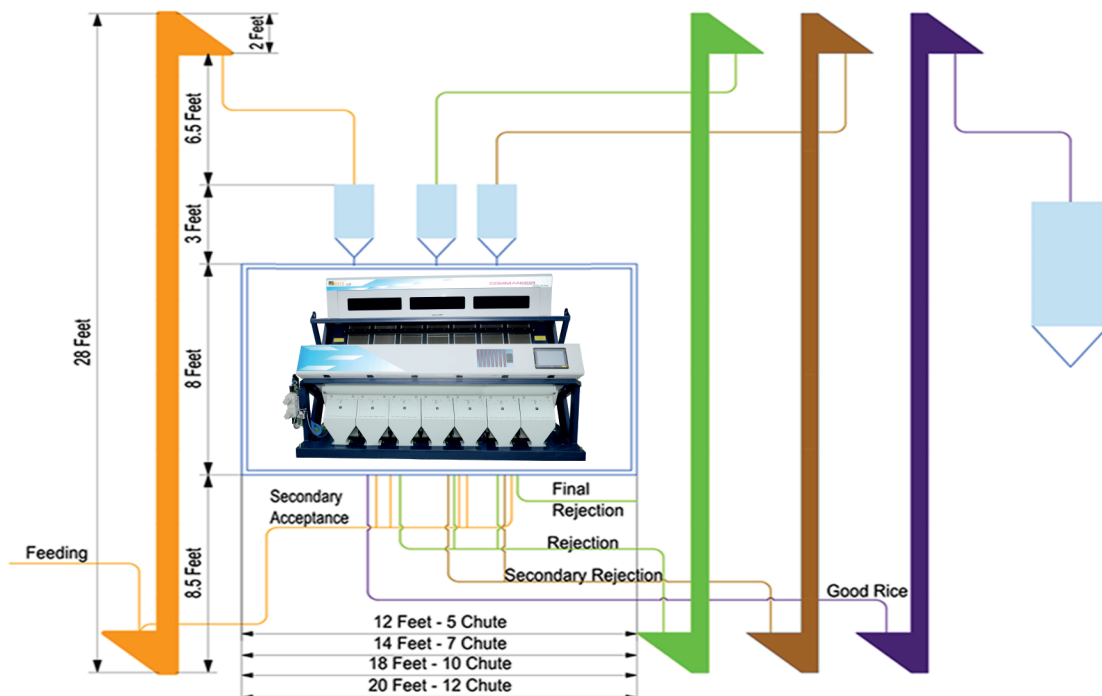


CARDAMOM

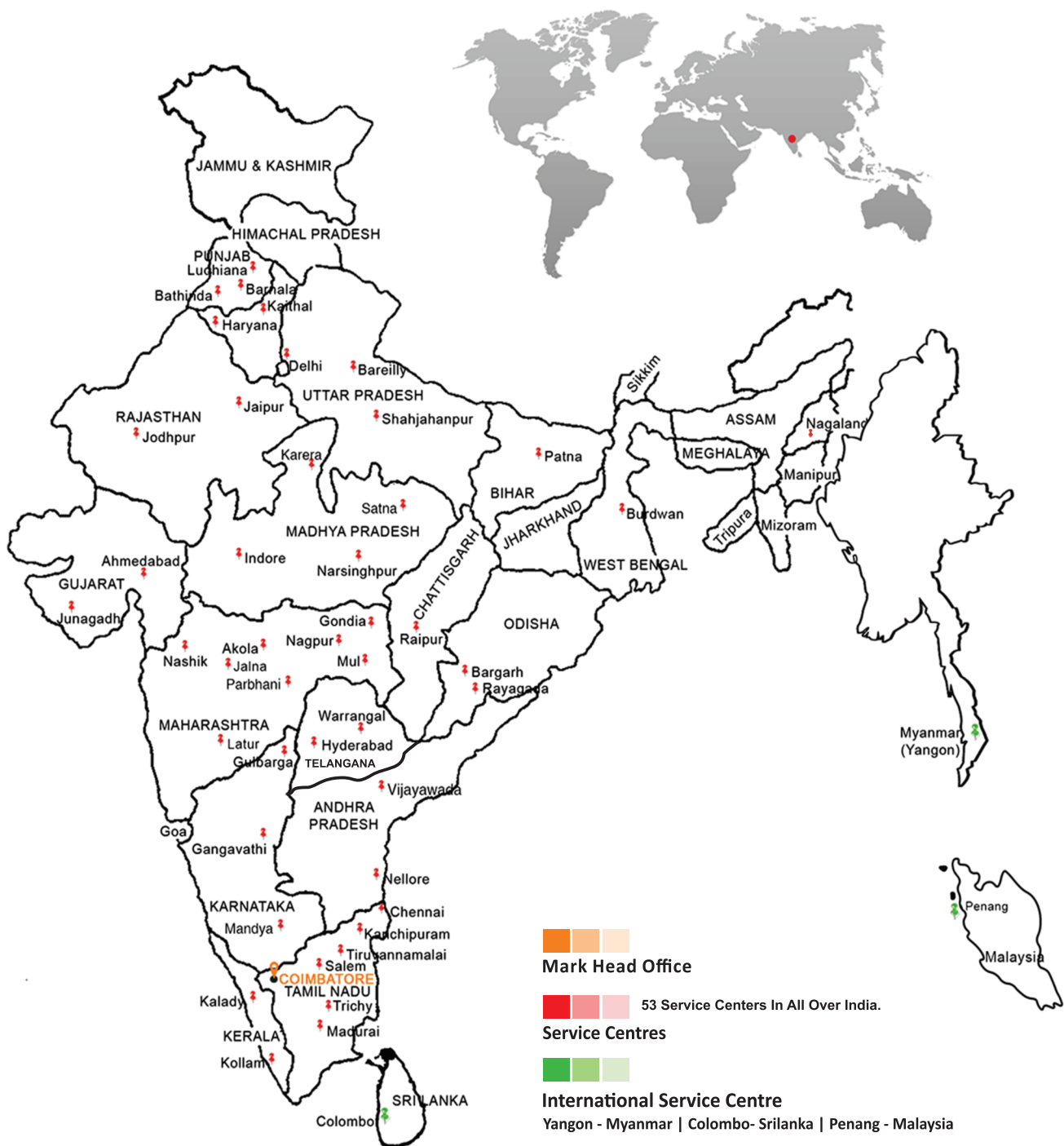
Compressor To Machine



1. Screw compressor
2. Control valve (manual drain valve)
3. Air receiver tank
4. Auto drain valve timer
5. Pre filter 5.0 micron
6. Air drier
7. After filter 1.0 micron
8. Special micro filter for oil removal 0.001 micron
9. Mark Sorting Machine
10. Dry air only allow (dont allow oil & water parts inside the pipeline)



Note: Some Special case the last chute can divided 40+21, will need the 5th elevator



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Mendo Controls

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