

SINCE 2005



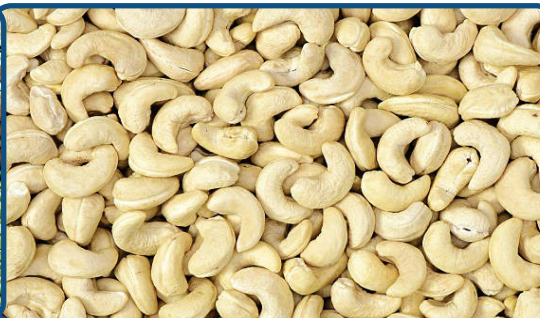
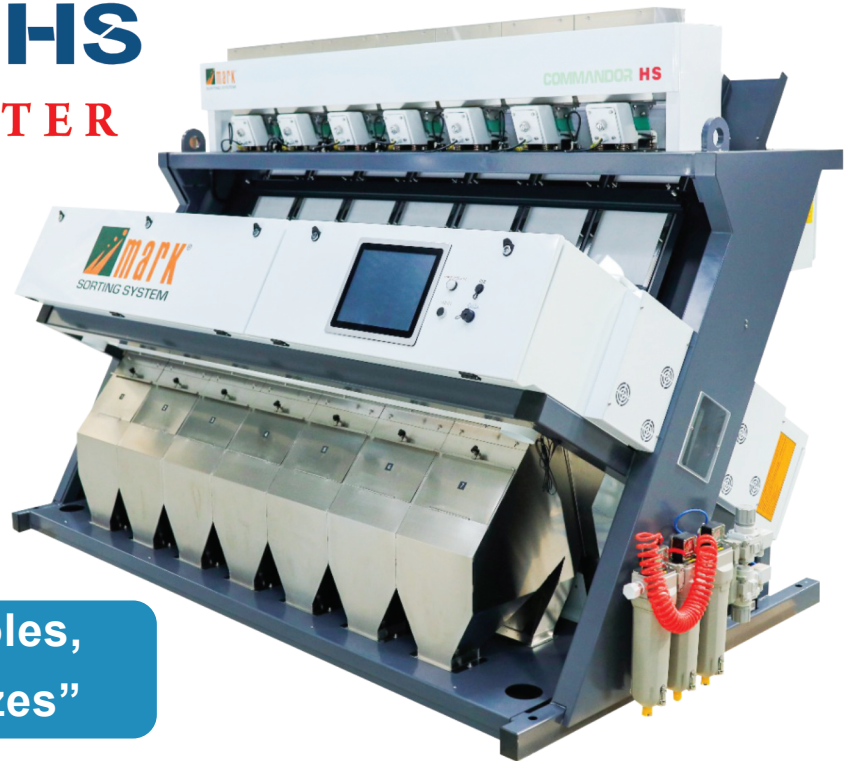
We Discover The New Innovative  
**SORTING TECHNOLOGY**

## **COMMANDER-HS**

**HOLES & SIZES SORTER**

**TRUSTED SORTING FOR  
SUPERIOR QUALITY**

**“Precision in Every Holes,  
Perfection in Every Sizes”**



# INTRODUCTION

The Holes and Sizes Color Sorter Machine is an advanced sorting solution designed to efficiently separate materials based on size, holes, and color variations. Ideal for industries such as food processing, agriculture, and manufacturing, this machine ensures precision and high-speed sorting with minimal manual intervention.

## TECHNICAL FEATURES

- AI-Based Optical & Size Recognition Self-learning for better sorting.
- WiFi Connectivity – Control and monitor the machine from anywhere using your smartphone.
- Captures detailed images for accurate sorting and defect detection.
- Resolution - 3 x 5400 pixels - Scanning Speed - 3 X 10,000 Lines/sec.
- Vibrates to evenly distribute and separate materials for precise color sorting.
- Multi-Point Ejection System: Handles multiple sorting outputs simultaneously.
- Touchscreen Control Panel User-friendly operations.
- Hole & Size-Based Sorting Ensures uniform size grading.
- Multi-Layer Sorting Efficient impurity removal in stages.



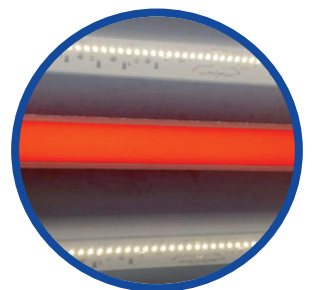
**TOUCH  
SCREEN**



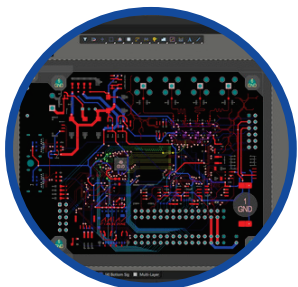
**RGB  
CAMERA**



**INTELLIGENT  
OPERATING  
SYSTEM**



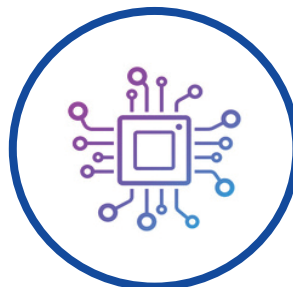
**LED  
LIGHTS  
SYSTEM**



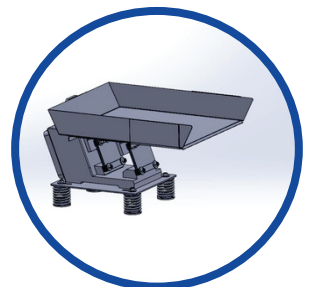
**IMAGE  
ACQUISITION  
SYSTEM**



**INTELLIGENT  
DIMMING  
SYSTEM**



**IMAGE  
PROCESSING  
SYSTEM**



**VIBRATOR  
TRAY**



Chute Option Available	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	2+1	2+1+1	3+1+1	4+1+1	4+2+1	5+2+1	6+2+2	7+3+2
Output (TPH) for Pulses	500 to 600kg per primary chute	500 to 800kg per primary chute	1 ton to 1.5 ton per primary chute	1.5 ton to 2 ton per primary chute	2 ton to 3 ton per primary chute	2.5 ton to 3.5 ton per primary chute	3 ton to 4 ton per primary chute	3.5 ton to 4.5 ton per primary chute	5 ton to 6 ton per primary chute	6 ton to 7 ton per primary chute
No. of Camera (F&R)	1 + 1	2 + 2	3 + 3	4 + 4	5 + 5	6 + 6	7 + 7	8 + 8	10 + 10	12 + 12
Air Requirement @7.5/cm2	28 CFM	38 CFM	54 CFM	80 CFM	96 CFM	113 CFM	132 CFM	150 CFM	180 CFM	200 CFM
Compressor Requirement	7.5 HP Screw	10 HP Screw	15 HP Screw	20 HP Screw	25 HP Screw	30 HP Screw	30 HP Screw	35 HP Screw	40 HP Screw	50 HP Screw
Dimension (LxWxH) Feet	3.92x5.50x7.0	5.0x5.50x7.0	6.19x5.50x7.0	7.33x5.50x7.0	8.46x5.50x7.0	9.46x5.50x7.0	10.82x5.50x7.0	11.86x5.50x7.0	14.83x5.50x7.0	16.82x5.50x7.0
Cabin Dimension (LxWxH) Feet	7x10x8	8x10x8	9x10x8	10x10x8	12x10x8	13x10x8	15x10x8	16x10x8	18x10x8	20x10x8

Note-1: Output will vary depending on the materials and it's input impurities & Dust.

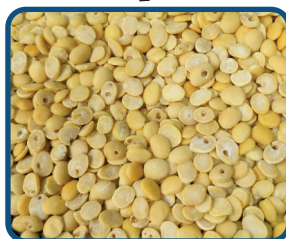
Note-2: Above showing output @2% input impurities

## HOLES SORTING PROCESS

Input

Acceptance

Rejection

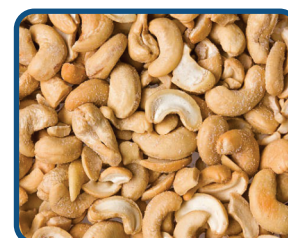
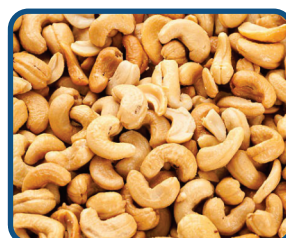


## SIZE SORTING PROCESS

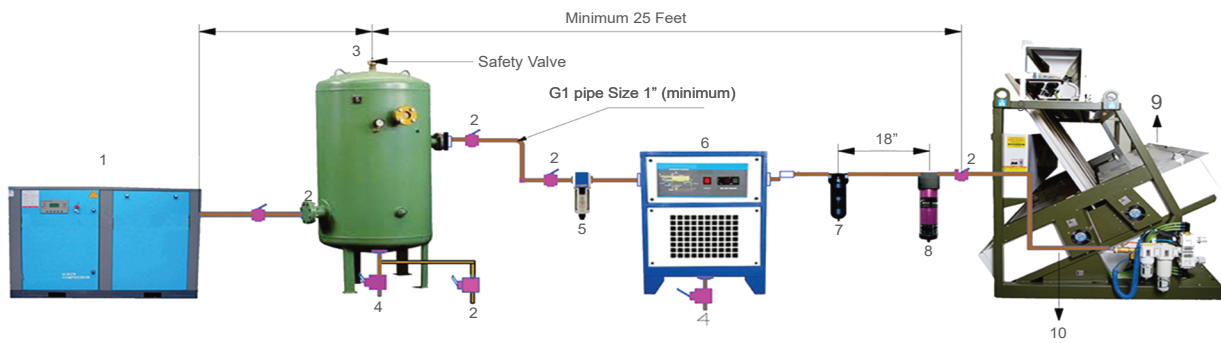
Input

Acceptance

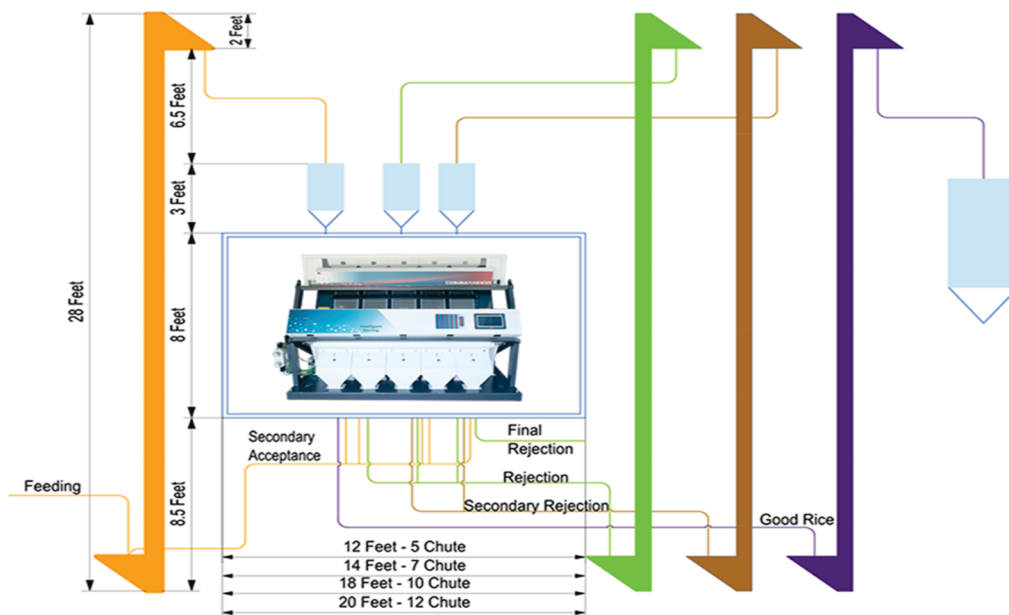
Rejection



## 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



**Promech Industries Pvt Ltd.,**  
7/237-A, Pattanam to Peedampalli Main Road, Nagamanaickenpalayam,  
Coimbatore-641016, Tamil Nadu, India.

Email: [promech5@yahoo.co.in](mailto:promech5@yahoo.co.in) | [info@marksorter.com](mailto:info@marksorter.com)  
web: [www.marksorter.com](http://www.marksorter.com) | [www.promechindustries.com](http://www.promechindustries.com)

Mobile: +91 99943 99996  
Office. No: +91 99438 96666  
Fax: +91 78386 54670

**For Service Contact (24x7): +9173050-71111**

**Authorized Service Provider**  
**Mendo Controls**

7/237-B, Pattanam to Peedampalli Main Road,  
Nagamanaickenpalayam,  
Coimbatore-641016, Tamil Nadu, India.

Email: [mendocontrols@gmail.com](mailto:mendocontrols@gmail.com)

Mobile: +91 99943 99005  
Office. No: +91 99437 96666

