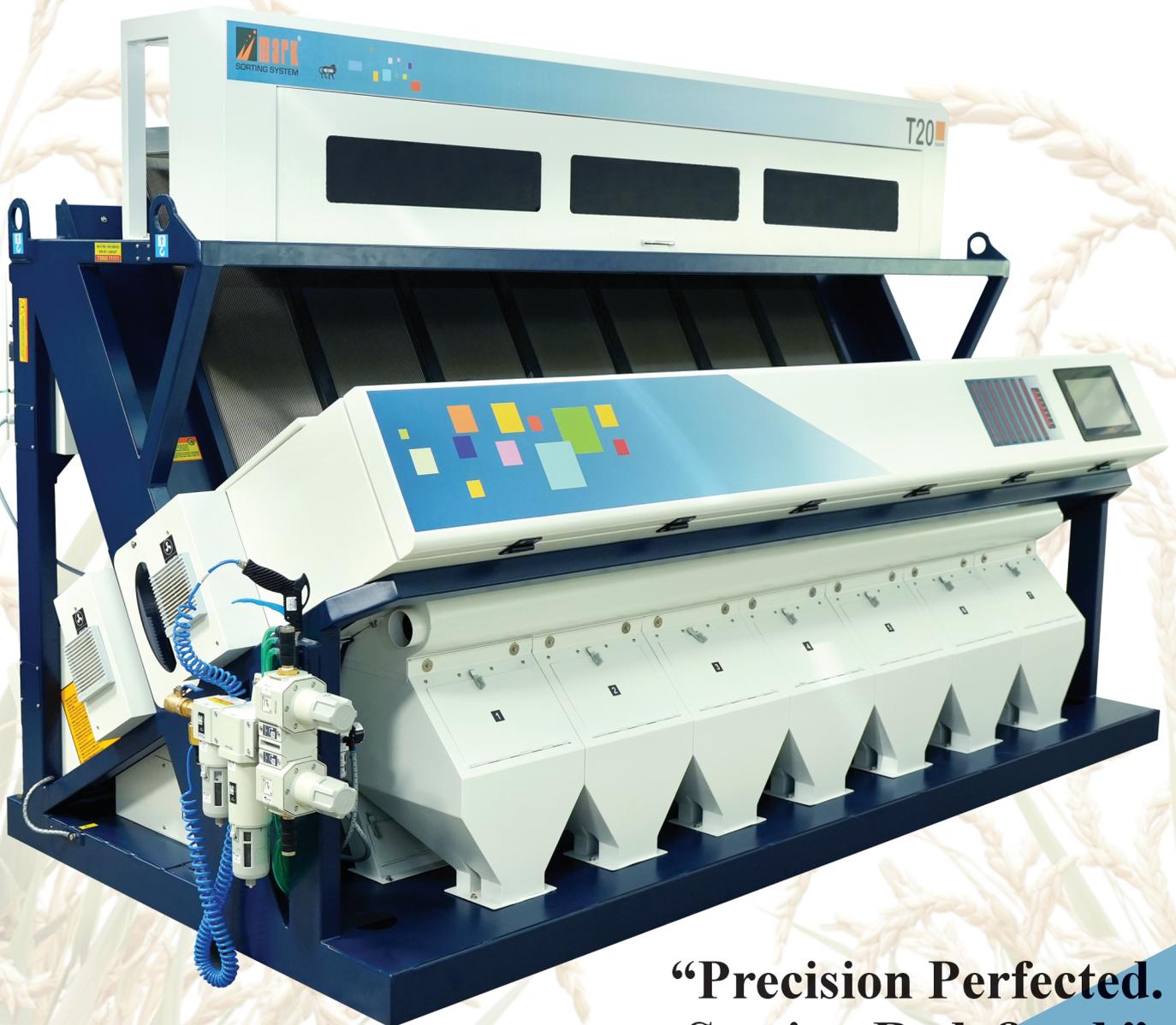




# T20 SQUARE

## COLOR SORTER

“Accurate. Reliable. Mark T20 Square.”



“Precision Perfected.  
Sorting Redefined.”

# TECHNICAL SPECIFICATIONS:



## RGB Tri-chromatic Color Camera:

High speed HD camera

Resolution:5400\*3 lines pixels with trichromatic (rgb) color spectrums

Both front and back view cameras are digitally aligned with digital alignment technology



## Image Acquisition System:

The color sorter machine features a High-Precision Image Acquisition System that captures detailed images at high speed using advanced cameras.It ensures accurate detection of even the finest color differences and defects.This system enhances sorting precision and improves overall product quality.



## Wi-Fi Control System:

This machine comes equipped with a Wi-Fi System for seamless remote monitoring and control.Users can access real-time performance data, receive alerts, and update settings from anywhere.This smart connectivity enhances convenience, reduces service time, and boosts productivity.



## Vibrator Tray:

Compared to the T20 model, the T20 Square machine features an upgraded vibrator system with enhanced speed and efficiency, the integration of advanced sensors that ensure precise material flow and consistent feed rate for optimal sorting performance.



## Automatic Intelligent Dust Removal:

Our color sorter machine features an Intelligent Dust Removal System that ensures consistent sorting accuracy by keeping the camera and sensors clean.It automatically detects and removes dust, reducing manual maintenance and downtime.This smart system enhances performance, extends machine life, and maintains top efficiency.



## Image Dimming System:

It is equipped with an Automatic Dimming System that adjusts lighting intensity based on material flow and type.This ensures optimal image clarity under varying conditions for accurate sorting.The system improves performance, reduces energy consumption, and extends LED life.



## 10' Inch Color HMI:

Mini computer based touch screen

Uncountable storage capacity for saving different program modes

User interfaced touchscreen with live communication technology

Inbuilt processor with 1GHz speed



## User Defined Background With Color Led:

Low energy consumption led lighting

Improves fine RGB illumination in background

Enhancing defects recognition systems by varying different backgrounds for Different types of grains

## OUR SORTING PRODUCTS



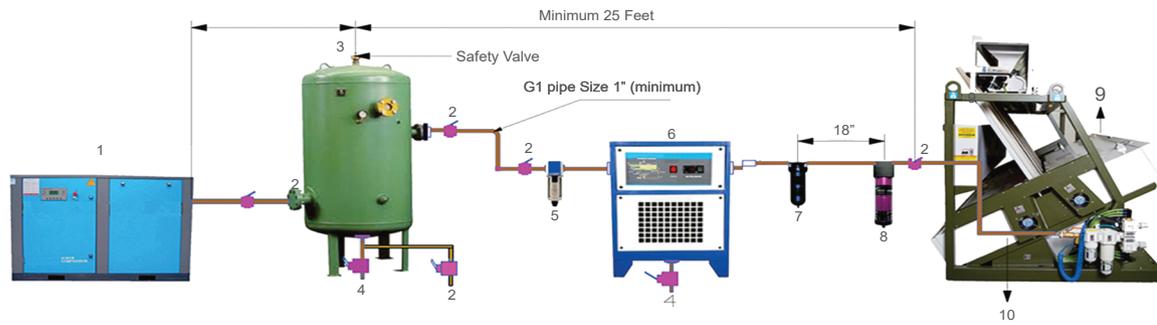
Chute Option Available	12 CHUTE	10 CHUTE	8 CHUTE	7 CHUTE	6 CHUTE	5 CHUTE	4 CHUTE	3 CHUTE	2 CHUTE	1 CHUTE
<b>Chute Distribution (P+S+F)</b>	7+3+2 (or) 7+2+2+1	6+2+2 (or) 6+2+1+1	5+2+1 (or) 4+2+1+1	4+2+1 (or) 4+2+(40+21)	4+1+1 (or) 4+1+(40+21)	3+1+1 (or) 3+1+(40+21)	2+1+1 (or) 2+1+(40+21)	2+1 (or) 2+(40+21)	1+1 (or) 1+(40+21)	1
<b>Output (TPH) for Rice/Dall</b>	7 to 9	6 to 8	5 to 7	4 to 6	3.5 to 5.5	3 to 5	2 to 4	1.5 to 2.5	1 to 2	0.75 to 1.5
<b>No. of Camera (F&amp;R)</b>	12+12	10+10	8+8	7+7	6+6	5+5	4+4	3+3	2+2	1+1
<b>Air Requirement @7.5/cm2</b>	230 CFM	180 CFM	150 CFM	132 CFM	113 CFM	96 CFM	72 CFM	54 CFM	38 CFM	28 CFM
<b>Compressor Requirement</b>	50HP Screw	40HP Screw	30 to 40HP Screw	30HP Screw	25HP Screw	25HP Screw	20HP Screw	15HP Screw	10HP Screw	7.5HP Screw
<b>Dimension (LxWxH) Feet</b>	16x4.88x5.97	13.83x4.88x5.97	10.87x4.88x5.97	9.73x4.88x5.97	8.59x4.88x5.97	7.46x4.88x5.97	6.33x4.88x5.97	5.19x4.88x5.97	4.1x4.88x5.97	2.92x4.88x5.97
<b>Cabin Dimension (LxWxH) Feet</b>	20x10x8	18x10x8	16x10x8	14x10x8	13x10x8	12x10x8	10x10x8	9x10x8	8x10x8	7x10x8

Note 1 : Output load and rejection will vary depend upon input materials contamination and dust  
 2 : \*2% contamination

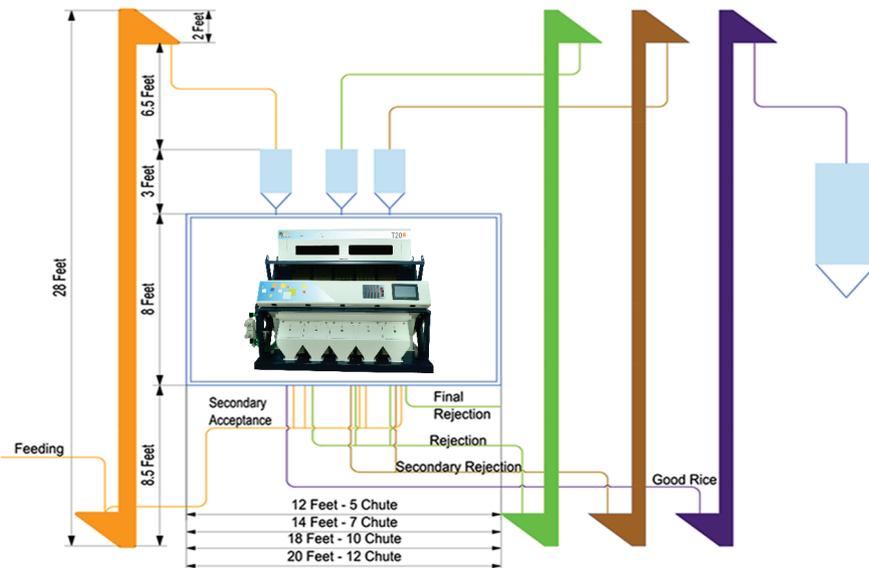
## OUR T20 SQUARE MODELS



## 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 for separation of chalky rice and contamination.



### Authorized Service Provider Mendo Controls

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

Email: mendocontrols@gmail.com

Mobile: +91 99943 99005

Office. No: +91 99437 96666



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

Email: promech5@yahoo.co.in | info@marksorter.com  
web: www.marksorter.com | www.promechindustries.com

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

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