Compressor To Machine

Minimum 25 Feet

Safety Valve

G1 pipe Size 1" (minimum)

18"
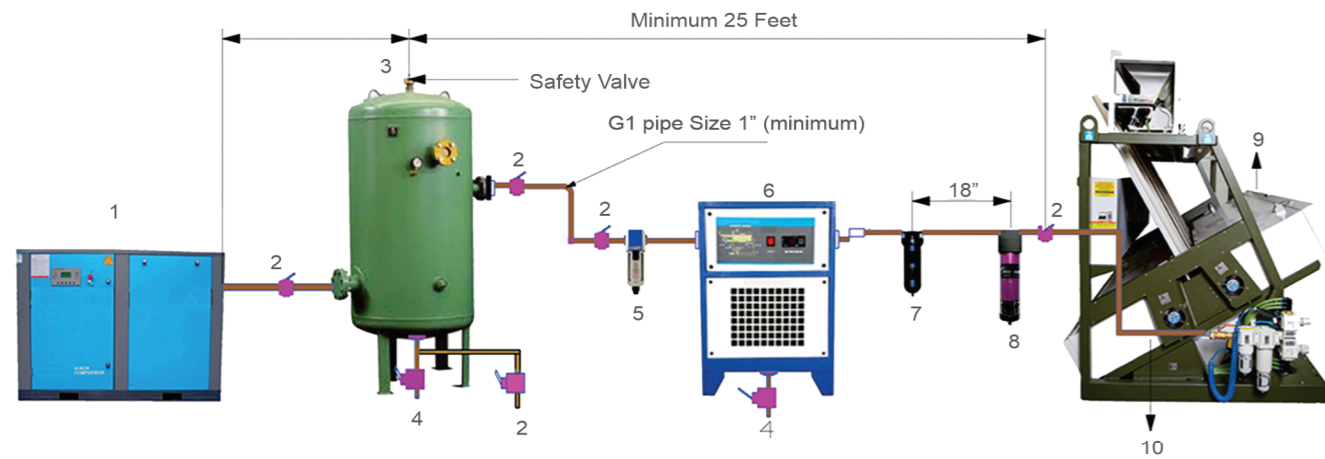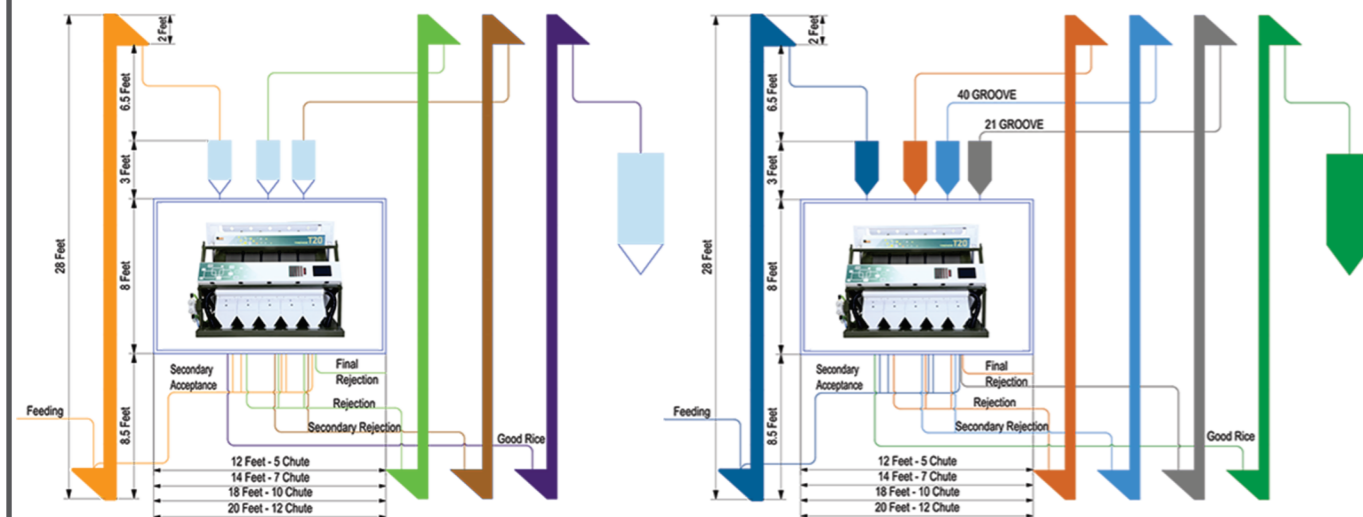
1. Screw compressor
2. Control valve (manual drain valve)
3. Air receiver tank
4. Auto drain valve timer
5. Pre filter 5.0 micron
6. Air drier
7. After filter 1.0 micron
8. Special micro filter for oil removal 0.001 micron
9. Mark Sorting Machine
10. Dry air only allow (dont allow oil & water parts inside the pipeline)

Option-1

Option-2

40 GROOVE
21 GROOVE

Secondary Acceptance
Final Rejection
Rejection
Secondary Rejection
Good Rice

Feeding

12 Feet - 5 Chute
14 Feet - 7 Chute
18 Feet - 10 Chute
20 Feet - 12 Chute

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

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Mark Head Office

International Service Centre
Yangon - Myanmar | Colombo- Srilanka | Penang - Malaysia

MARK SORTING SYSTEM

Promech Industries Pvt Ltd.,
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Coimbatore-641016, Tamil Nadu, India.

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CE:2419   TUV SÜD   ISO 9001:2015 CERTIFIED COMPANY   MAKE IN INDIA

MULTI GRAIN SORTER
TRENDZ T20
ENDLESS PURITY OF YOUR PRODUCT

MAKE IN INDIA

+91 99943 99996

web: www.marksorter.com
www.promechindustries.com

Product Feature

Mark color sorter is designed to provide a superior performance and reliability, allowing you to avoid annoying maintenance which would effect your production. Mark color sorter is a complete system that incorporates advanced engineering concepts.
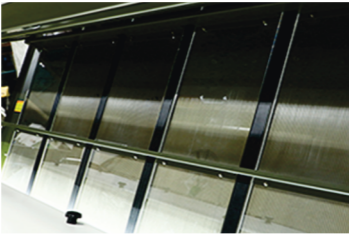
Here we proudly introduce the most advanced color sorting machine from mark sorter mainly focused on rice, dall, wheat, pulses, seeds, spices, nuts & plastic sectors as Trendz-T20 which have the following features.

T20 Camera Specifications

- Tri-chromatic CCD color linear image sensor
- Resolution: 5400x3 Lines pixels with Tri-chromatic (Red, Green, Blue) color spectrums
- Equipped with High-Speed data acquisition unit using FPGAs
- Mainly programmed with image signals for food processing industries (Multigrain Color Sorter)
- Pre-programmed I/O with adjustable delay time and on/off time to actuate pneumatic valves
- It provides adjustable gain and exposure
- Highly specialized ultra-wide lens for sorting purpose only
- Both front view and back view cameras are digitally aligned with digital alignment technology
- Factory calibrated sensor with uniform lightings or illuminations
- Image signals are processed to attain accurate RGB color spectrums with precise intensity

RGB Tri-chromatic Color Camera

Chute

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

High Speed Pneumatic Ejectors
- Precision sorting of grains with high speed of 1MS on/off time
- Ultra drive high frequency solenoid valve
- Long operating life (half a billion cycles)
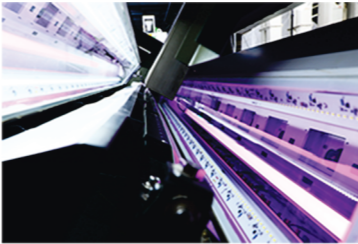
Simultaneous Re-Sorting
- Maximizes recovery of good product having highest reject concentration

Chute
- Used for flow of all types of grains in one chute can have optional heatpad and acrylic sheet attachments
- 63 Channels per chute

Touch Screen

Color Reflector LED

Chute Option Available	12 Chute	10 Chute	8 Chute	7 Chute	6 Chute	5 Chute	4 Chute	3 Chute	2 Chute	1 Chute
Chute Distribution (P+S+F)	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
Output (TPH) for Rice/Dall	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
No. of Camera (F&R)	12+12	10+10	8+8	7+7	6+6	5+5	4+4	3+3	2+2	1+1
Air Requirement@7.5kg/cm2	230 CFM	180 CFM	150 CFM	132 CFM	113 CFM	96 CFM	72 CFM	54 CFM	38 CFM	28 CFM
Compressor Requirement	50HP Screw	40HP Screw	30 to 40HP Screw	30HP Screw	25HP Screw	25HP Screw	20HP Screw	15HP Screw	10HP Screw	7.5HP Screw
Dimension (LxWxH) Feet	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
Cabin Dimension (LxWxH) Feet	20x10x8	18x10x8	16x10x8	14x10x8	13x10x8	12x10x8	10x10x8	9x10x8	8x10x8	7x10x8

Note1 : Output load and rejection will be vary depend upon input materials contamination and dust
2 : *2% contamination