



**"A LEADING COLOR SORTER MACHINE
MANUFACTURER & EXPORTER IN INDIA"**

AI (Artificial Intelligent)

PLASTIC COLOR SORTER

"Revolutionize Your PLASTIC Sorting With AI Precision!"



COMMANDOR - XP

"EXCELLENCE IN PLASTIC SORTING"

PLASTIC COLOR SORTER MACHINE



"ULTIMATE SOLUTION FOR ALL PLASTIC MATERIAL SORTING!"

Mark's **COMMANDER -XP** Plastic Color Sorter Machine, elevate your plastic material sorting capabilities to new heights. Maximize productivity, minimize waste, and achieve unparalleled quality control with our innovative solution. Invest in excellence - choose **COMMANDER -XP** today!

FEATURES:

- High-Speed HD camera.
- Intelligent image processing.
- AI-Deep learning technology.
- Intelligent study data classification.
- 5400 x 3-pixel Trichromatic RGB scanner.
- Image can take 122 million pixels/sec
- Excellent Solution for multi-product sorting
- Scanning Speed: 90,000 Scans per second.
- Even light systems, have a 1.2 Billion life cycle.
- HD lens for clear image

HMI

- Mark brand full HD Colorful 10.1 touchscreen
- +1000 Different types of programs can be set up.
- Easy-to-use & Customer-friendly user- interface
- Linux-based operation system
- Powerful communication system

FEEDER

- Closed loop sensor-based feeder systems self-calibration
- Material even feeding system

LED

- Microcontroller LED, High Reliability, and long lifespan
- LED Lights resource smart cooling
- 16 million colors RGB Background LED
- Real-time background color adjustmentable
- Even light systems
- Accurate dimming control

VALVE

- High-speed valve
- 1/2 Billion life cycle



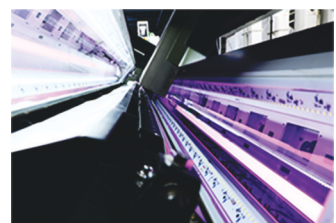
RGB Tri-chromatic Color Camera



Chute



Touch Screen



Color Reflector LED

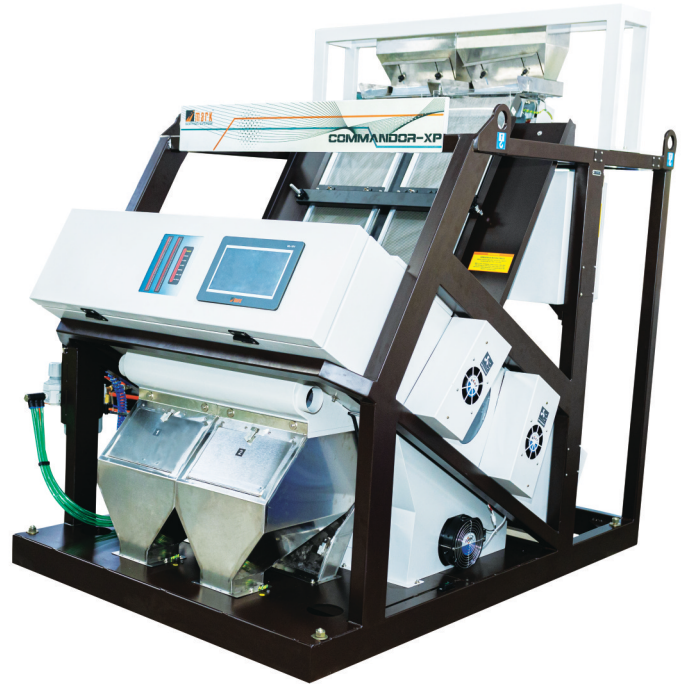
COMMANDOR - XP

mark[®]
SORTING SYSTEM

“Leading the Way in Plastic Color Sorting”



1 - Chute



2 - Chute

Available From 1 Chute To 12 Chute Machines



3 - Chute



7 - Chute

- ▶ PP (Natural, White, Color, Black)
- ▶ ABS (Chips & Granules)
- ▶ PET Flakes
- ▶ HDPE & LDPE Chips & Granules
- ▶ PE, PVC Chips & Granules
- ▶ PET Granules

INPUT - MATERIALS

SORTING PROCESS →



Plastic - Granules



PP Yellow Flakes



HDPE Flakes



PET Flakes



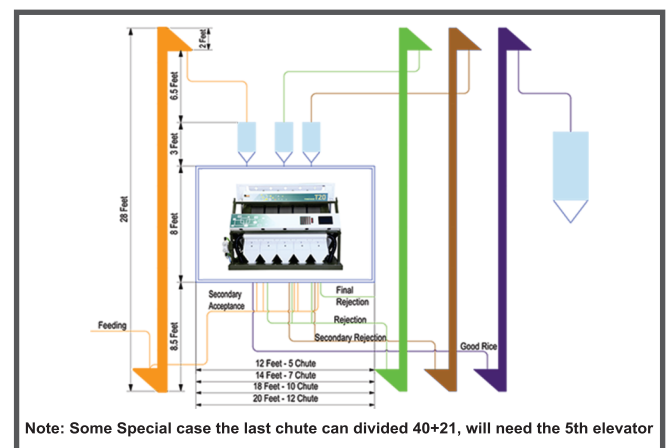
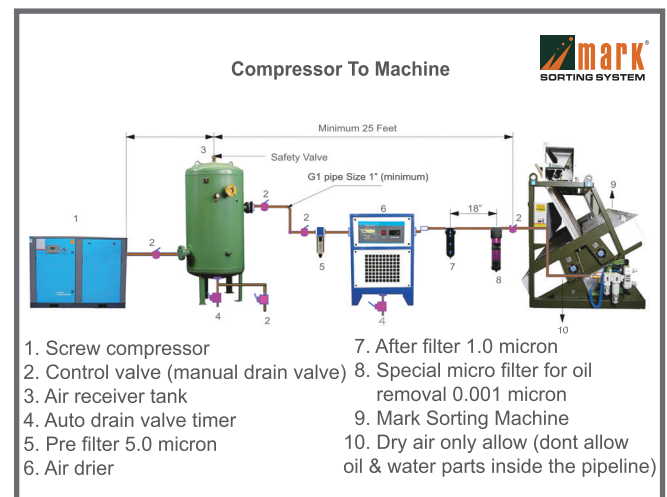
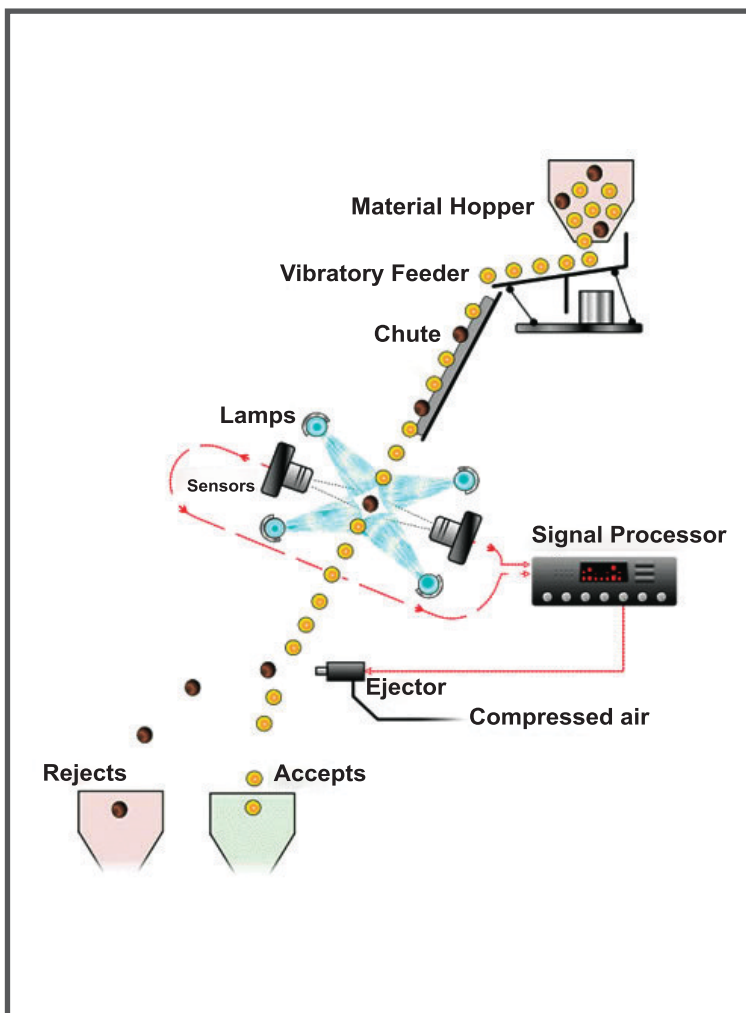
PP Natural



Chute Option Available	1 CHUTE	2 CHUTE	3 CHUTE	5 CHUTE	7 CHUTE	10 CHUTE
Chute Distribution (P+S+F)	1	1+1	2+1	3+1+1	4+2+1	6+2+2 (or) 6+2+1+1
Output (TPH) for plastic	150 to 300kg per primary chute	150 to 300kg per primary chute	150 to 300kg per primary chute	150 to 300kg per primary chute	150 to 300kg per primary chute	150 to 300kg per primary chute
No. of Camera (F&R)	1 + 1	2 + 2	3 + 3	5 + 5	7 + 7	10 + 10
Air Requirement @7.5/cm2	28 CFM	38 CFM	54 CFM	96 CFM	132 CFM	180 CFM
Compressor Requirement	7.5 HP Screw	10 HP Screw	15 HP Screw	25 HP Screw	30 HP Screw	40 HP Screw
Dimension (LxWxH) Feet	2.92x6x6.2	4.1x6x6.2	5.19x6x6.2	7.46x6x6.2	9.73x6x6.2	13.83x6x6.2
Cabin Dimension (LxWxH) Feet	7x10x8	8x10x8	9x10x8	12x10x8	14x10x8	18x10x8

Note-1: **Sorting Materials:** Plastic Granules, HD, LD, ABS, PP, PE, PET Plastics, PET Flakes, Natural PP, White PP, Plastic Chips & Scraps - Output will vary depending on the material and its contamination.

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





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