



YOUR PRODUCT IS BEING PURE



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## COMPANY PROFILE

In the year of 2005 three young dynamic entrepreneurs were decided to launched mark color sorter in Coimbatore to provide the multi grain color sorter machine in India.

Since more than 4500 millers are in all over india and abroad have chosen the mark color sorters to make their products are pure.

Mark commitment is manufacturing the best color sorter in the market and is characterized by listening closely and understanding the needs of the industry using the strong focus on design and technology coupled with the best manufacturing facility. It also provide very good service team in all over india and abroad.

The most rigious quality control through the entire manufacturing process. Mark introduces the new range of color sorters with our pain-standing experience in color sorting field. The technological advanced adapted according to millers need.

Mark color sorter gives significant performance in all types of food grains such as Rice, Duar Dhall, Urad Dhall, Wheat, Cashewnut, Plastic and all food grains.

## MARK TRENDZ 5 CHUTE

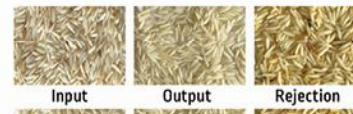


FRAME	5 Chute	
Chute option Available	5 Chute	4 Chute
Chute Distribution (P+S+F)	3+1+1	2+1+1
Output (TPH)	3 to 5	2 to 4
No. of Camera (F&R)	5+5	4+4
Air @ 7.5kg/cm <sup>2</sup>	90 CFM	72 CFM
Power Requirement	10 KVA	
Compressor Requirement	20 HP Screw Comp.	
Dimension (LxWxH) (Feet)	7.16 x 4.75 x 5.83	
Cabin Dimension (LxWxH) (Feet)	12 x 10 x 8	
Rejection Ratio	1:15	

Note 1 : Output load and rejection will be vary depend upon Input materials contamination and dust  
2 : 2% Contamination

### FEATURES OF TRENDZ 5 CHUTES

- FPGA (Field Programmable Gate Array) image processing is minimum flaw size at 0.068mm
- 5000X2 pixel higher sensitive Tri-Chromatic CCD color camera with high speed image reading system
- High speed pneumatic systems with low air consumption
- Fully digital FPGA image processing with micro controller supported ensures high output with low rejection
- Option in LED light color changing
- Internet & Mobile control facility
- Each chute width 340 mm
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method
- Ejectors can test through Systems / Laptops
- Chalky rice mode
- Ejection rate displayed
- Machine also can be controlled by computer and mobile





# MARK TRENDZ 7 CHUTE



5000x2 Pixel  
Bi-Chromatic  
CCD camera



Double Side  
Camera  
Technology



Wi-Fi



1 MS Ejector

FRAME	7 Chute	
Chute option Available	7 Chute	6 Chute
Chute Distribution [P+S+F]	4+2+1	4+1+1
Output [TPH]	4 to 7	3 to 6
No. of Camera [F&R]	7+7	6+6
Air @ 7.5kg/cm <sup>2</sup>	126 CFM	108 CFM
Power Requirement	10 KVA	
Compressor Requirement	30 HP Screw Comp.	
Dimension [LxWxH] (Feet)	9.46 x 4.75 x 5.83	
Cabin Dimension [LxWxH] (Feet)	14 x 10 x 8	
Rejection Ratio	1:15	

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

## FEATURES OF TRENDZ 7 CHUTES

- FPGA [Field Programmable Gate Array] image processing is minimum flaw size at 0.068mm
- 5000X2 pixel higher sensitive Tri-Chromatic CCD Color Camera with high speed image reading system
- High speed pneumatic systems with low air consumption
- Fully digital FPGA image processing with micro controller supported ensures high output with low rejection
- Option in LED light color changing
- Internet & Mobile control facility
- Each chute width 340 mm
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method
- Ejectors can test through Systems / Laptops
- Chalky rice mode
- Ejection rate displayed
- Machine also can be controlled by Computer and mobile



Input

Output

Rejection

# MARK TRENDZ 10 CHUTE



Wi-Fi



1 MS Ejector



Double Side  
Camera  
Technology



5000x2 Pixel  
Bi-Chromatic  
CCD camera

FRAME	10 Chute		
Chute option Available	10 Chute	9 Chute	8 Chute
Chute Distribution [P+S+F]	6+2+2	5+2+2	5+2+1
Output [TPH]	6 to 9	5 to 8	4.5 to 7
No. of Camera [F&R]	10+10	9+9	8+8
Air @ 7.5kg/cm <sup>2</sup>	180 CFM	162 CFM	144 CFM
Power Requirement	10 KVA		
Compressor Requirement	40 HP Screw Comp.		
Dimension [LxWxH] (Feet)	12.86 x 4.75 x 5.83		
Cabin Dimension [LxWxH] (Feet)	17 x 10 x 8		
Rejection Ratio	1:15		

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

## FEATURES OF TRENDZ 10 CHUTES

- FPGA [Field Programmable Gate Array] image processing is minimum flaw size at 0.068mm
- 5000X2 pixel higher sensitive Tri-Chromatic CCD Color Camera with high speed image reading system
- High speed pneumatic systems with low air consumption
- Fully digital FPGA image processing with micro controller supported ensures high output with low rejection
- Option in LED light color changing
- Internet & Mobile Control facility
- Each chute width 340 mm
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method
- Ejectors can test through Systems / Laptops
- Chalky rice mode
- Ejection rate displayed
- Machine also can be controlled by Computer and mobile



Input

Output

Rejection

# MARK J-400 RICE SORTER



MODEL	400 Channels	360 Channels	320 Channels
No. of Chute	10	9	8
Output [TPH]	3 to 6	3 to 5	3 to 4
No. of Camera [F&R]	10+10	9+9	8+8
Chute Distribution [P+S+F]	6+2+2	5+2+2	5+2+1
Air Requirement @ 7.5kg/cm <sup>2</sup>	128 CFM	115 CFM	102 CFM
Power Requirement	10 KVA		
Dimension [LXWxH] [Feet]	8.5 X 4.25 X 5.9		
Cabin Dimension [LXWxH] [Feet]	12 x 10 x 8		
Air Compressor	15 HP		

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

## FEATURES OF MARK J -400 ■

- 2048 pixel higher sensitive CCD camera with high speed image reading system
- Minimum flaw size 0.09mm
- High speed pneumatic systems with low air consumption
- Fully DSP image processing with micro controller supported ensures high output with low rejection
- Option in LED light color changing
- 40 Groove chute - 4.2mm each channels
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method
- Chalky rice mode



# MARK J-280 RICE SORTER



Channels Available	Mark-J-280	Mark-J-240
No. of Chute	7 Chute	6 Chute
Output [TPH]	3 to 5	2.5 to 4
No. of Camera	7+7	6+6
Chute Distribution [P+S+F]	4+2+1	3+2+1
Air Requirement @ 7.5kg/cm <sup>2</sup>	90 CFM	80 CFM
Power Requirement	10 KVA	
Dimension [LXWxH] [Feet]	6.5 X 5 X 6	
Cabin Dimension [LXWxH] [Feet]	10 X 10 X 8	
Air Compressor	20 HP	

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

## FEATURES OF MARK J -280 ■

- 2048 pixel higher sensitive CCD camera with high speed image reading system
- Minimum flaw size 0.09mm
- High speed pneumatic systems with low air consumption
- Fully DSP image processing with micro controller supported ensures high output with low rejection
- Option in LED light color changing
- 40 Groove chute - 4.2mm each channels
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method
- Chalky rice mode





# MARK J-196 RICE SORTER



2048 Pixel  
CCD camera



Double Side  
Camera  
Technology



1 MS Ejector

Channels Available	Mark-J-196	Mark-J-168	Mark-J-140
No. of Chute	7 Chute	6 Chute	5 Chute
Output [TPH]	2.5 to 5	2 to 4.5	1.5 to 4
No. of Camera [F&R]	7+7	6+6	5+5
Chute Distribution [P+S+F]	4+2+1	3+2+1	3+1+1
Air Requirement @ 7.5kg/cm <sup>2</sup>	72 CFM	60 CFM	45 CFM
Power Requirement	10 KVA		
Dimension [LXWxH] [Feet]	6.5 X 5 X 6		
Cabin Dimension [LXWxH] [Feet]	10 X 10 X 8		
Air Compressor	15 HP		

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

## FEATURES OF MARK J -196 ■

- 2048 pixel higher sensitive CCD camera with high speed image reading system
- Minimum flaw size 0.09mm
- High speed pneumatic systems with low air consumption
- Fully DSP image processing with micro controller supported ensures high output with low rejection
- Option in LED light color changing
- 28 Groove chute - 6.0mm each channels
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method
- Chalky rice mode



# MARK JX-280 DALL & PULSE SORTER



5000x2 Pixel  
Bi-Chromatic  
CCD camera



Double Side  
Camera  
Technology



1 MS Ejector

Channels Available	Mark-Jx-280	Mark-Jx-252	Mark-Jx-224
No. of Chute	10 Chute	9 Chute	8 Chute
Output [TPH]	3.5 to 6.5	3 to 6	3 to 5
No. of Camera [F&R]	10+10	9+9	8+8
Chute Distribution [P+S+F]	6+2+2	5+2+2	5+2+1
Air Requirement @ 7.5kg/cm <sup>2</sup>	72 CFM	60 CFM	45 CFM
Power Requirement	10 KVA		
Dimension [LXWxH] [Feet]	8.5 X 4.25 X 5.9		
Cabin Dimension [LXWxH] [Feet]	12 X 12 X 10		
Air Compressor	20 HP		

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

## FEATURES OF MARK JX-280 ■

- Double side view technology objects viewed from front and rear
- 5000X2 pixel higher sensitive CCD Bi-Chromatic camera its realizes discolored area less than 0.068mm
- Advance optical sorting system with specially made high speed ejectors and high speed vision control arithmetic and communication protocol secures high sorting index
- Wide channels for materials input, configured with high speed digital processing technology system assemblization and sorting is highly perfected
- Based on touch screen operation and manual operation interface is more human friendly
- Option in LED light color changing
- Single sorting remove different color materials
- Multicolor sorting
- Automatic background changing facility based on input commodity.
- 28 Groove chute – 6 mm each channels
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method



# MARK JX-196

## DALL & PULSE SORTER



Channels Available	Mark-Jx-196	Mark-Jx-168	Mark-Jx-140
Chute	7 Chute	6 Chute	5 Chute
Output [TPH]	2.5 to 5	2 to 4.5	1.5 to 4
No. of Camera [F&R]	7+7	6+6	5+5
Chute Distribution [P+S+F]	4+2+1	3+2+1	3+1+1
Air Requirement @ 7.5kg/cm <sup>2</sup>	72 CFM	60 CFM	45 CFM
Power Requirement	10 KVA		
Dimension [LXWxH] [Feet]	6.5 X 5 X 6		
Cabin Dimension [LXWxH] [Feet]	10 X 10 X 8		
Air Compressor	15 HP		

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

### FEATURES OF MARK JX-196

- Double side view technology objects viewed from front and rear
- 5000X2 pixel higher sensitive CCD Bi-Chromatic Camera its realizes discolored area less than 0.068mm.
- Advance optical sorting system with specially made high speed ejectors and high speed vision control arithmetic and communication protocol secures high sorting index.
- Wide channels for materials input, configured with high speed digital processing technology system assemblization and sorting is highly perfected
- Based on touch screen operation and manual operation interface is more human friendly.
- Option in LED light color Changing
- Single sorting remove different color materials
- Multicolor sorting
- Automatic background changing facility based on input commodity.
- 28 Groove chute – 6 mm each channels
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse Sorting method



Channels Available	Mark-Jx-180	Mark-Jx-160
Chute	9 Chute	8 Chute
Output [TPH]	3 to 6	2.5 to 5
No. of Camera [F&R]	9+9	8+8
Chute Distribution [P+S+F]	5+2+2	4+2+2
Air Requirement @ 7.5kg/cm <sup>2</sup>	72 CFM	60 CFM
Power Requirement	10 KVA	
Dimension [LXWxH] [Feet]	8.5 X 4.25 X 5.9	
Cabin Dimension [LXWxH] [Feet]	10 X 10 X 8	
Air Compressor	20 HP	

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

### FEATURES OF MARK JX-180

- Double side view technology objects viewed from front and rear
- 5000X2 pixel higher sensitive CCD Bi-Chromatic camera its realizes discolored area less than 0.068mm.
- Advance optical sorting system with specially made high speed ejectors and high speed vision control arithmetic and communication protocol secures high sorting index.
- Wide channels for materials input, configured with high speed digital processing technology system assemblization and sorting is highly perfected
- Based on touch screen operation and manual operation interface is more human friendly.
- Option in LED light color changing
- Single sorting remove different color materials
- Multicolor sorting
- Automatic background changing facility based on input commodity.
- 20 Groove chute – 6.2 mm each channels
- Touch screen control panel to feed 15 programs
- Automatic self cleaning system
- Reverse sorting method





# MARK JX-120 DALL & PULSE SORTER



Model	JX-120		
	120 Channels	100 Channels	80 Channels
Output (TPH)	2 to 4	1.5 to 3	1 to 2.5
Air Requirement	40 CFM	36 CFM	28 CFM
Power Requirement	3 KVA		
Dimension [LXWxH] [Feet]	6 X 4.08 X 6.5		
Air Compressor	15 HP Reciprocating		

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

## FEATURES OF MARK JX-120 ■

- "MARK" domestically first initiated CCD Bi-Chromatic Camera technology, 5000x2 Pixel, Realizes discolored area less than 0.068mm, Applicable for different pulses and nuts sorting solutions
- Advance optical sorting room, Specially made high speed ejector and high speed vision control arithmetic and communication protocol secures high sorting index
- Wide channel for material input, Configured with high speed digital processing technology, System assemblization and sorting is highly perfected
- Based on touch screen operation manual, The operation interface is more human friendly
- Adoption of high sensitivity and special computerization system, Defects of different material can be removed, Super sorting performance is secured
- Single sorting remove different color materials
- Suitable for Grain, Dhall, Beans & Pulses
- Multi color sorting
- Automatic background changing facility based on input commodity
- 15 programs presets for variety of products

# SMART SPRINT CASHEWNUT



Model	Smart Sprint		
	126 Ch (7chute)	90 Ch (5 chute)	54 Ch (3 chute)
Output (KG) per/hr	400 to 750	280 to 500	150 to 300
Air Requirement	60 CFM	45 CFM	30 CFM
Dimension [LXWxH] [Feet]	7.66 x 4.25 x 5	6.66 X 4.25 X 5	5 X 4.25 X 5
Power Requirement	3 KVA		

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

## FEATURES OF SMART SPRINT ■

- Compact machine
- SPL Designed for whole cashew & Baby cashew
- Avoiding whole cashew breaking Loss
- Excellent result oriented
- Maintenance free
- Easy to operate
- 5000x2 Pixel Bichromatic color camera double side view technology
- High speed ejector valves
- Color LCD Touch screen
- LED Lighting system
- 15 Program presets of variety of products
- Flat chute / Groove chute - optional

# SMART-X



2048 Pixel  
CCD camera



Double Side  
Camera  
Technology

Channels Available	Smart X-60		Smart X-120		
	40 Channel	60 Channel	80 Channel	100 Channel	120 Channel
Air Requirement [72-114psig] [5-8bar]	18 CFM	21 CFM	28 CFM	32 CFM	42 CFM
Capacity [Tones/Hour]	0.5-1.5	0.5-2	1-2.5	1.25-2.5	1.53-3
Power Consumption [230vac single phase]	2 KVA		3 KVA		
Dimensions [WxDxH] [Feet]	3.5 x 4.58 x 6.33		6 x 4.58 x 6.33		

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

## FEATURES OF SMART-X

- 2048 pixel CCD camera technology
- Double side view
- Single board construction
- High speed ejector valves
- Easy operation
- High performance chutes
- Channel options and upgrade
- Two stage resorting
- Low and simple maintenance
- Each channels with 8mm
- 1chute-20 groove

