MADE IN INDIA

orange

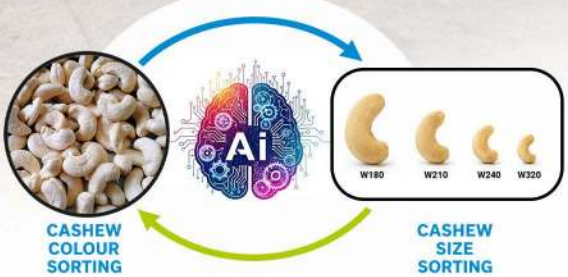
Precision Sorting for Premium

Cashews



FEMTOSORT

GRAVIS Ai -CASHEW



ORANGESORTER.COM

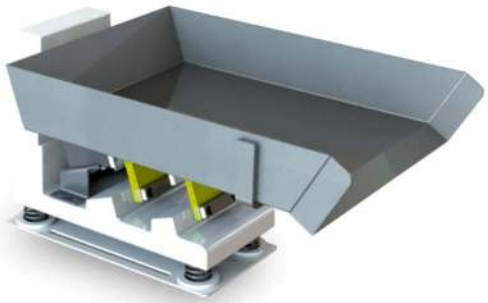


01 Dual Stage DUST COLLECTION System

Dual stage dust collection system Prevents Dust accumulation on optical vision area, there by reducing the wiping time results in Increase in Tonnage is by 35%.

02 Intelligent FEEDING SYSTEM (IFS)

Intelligent feeding system uses a feedback mechanism which analyses and regulates the flow rate on each Individual vibrator. By using this IFS FEATURE consistent productivity and enhanced quality is achieved.





03 THD Cameras

Synchronized Dual trichromatic HD RGB Camera with higher scanning speed gives Sharper image and high Dynamic range, which helps in detecting minute spot defect and colour defects like mild chaky and light yellow.

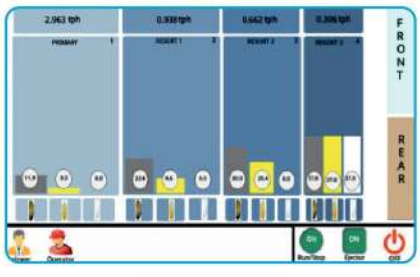
- 32400 Pixels per Second
- 16 Billion Colour Combination
- 0.07 mm Accuracy
- 52,740 lines per Second

04 High-Speed EJECTOR

Hi-Speed ejectors with rapid response time of 0.8ms is used. Increase in output tonnage even at higher throughput condition can be achieved. It has life time expectancy >18-20 billion cycles.

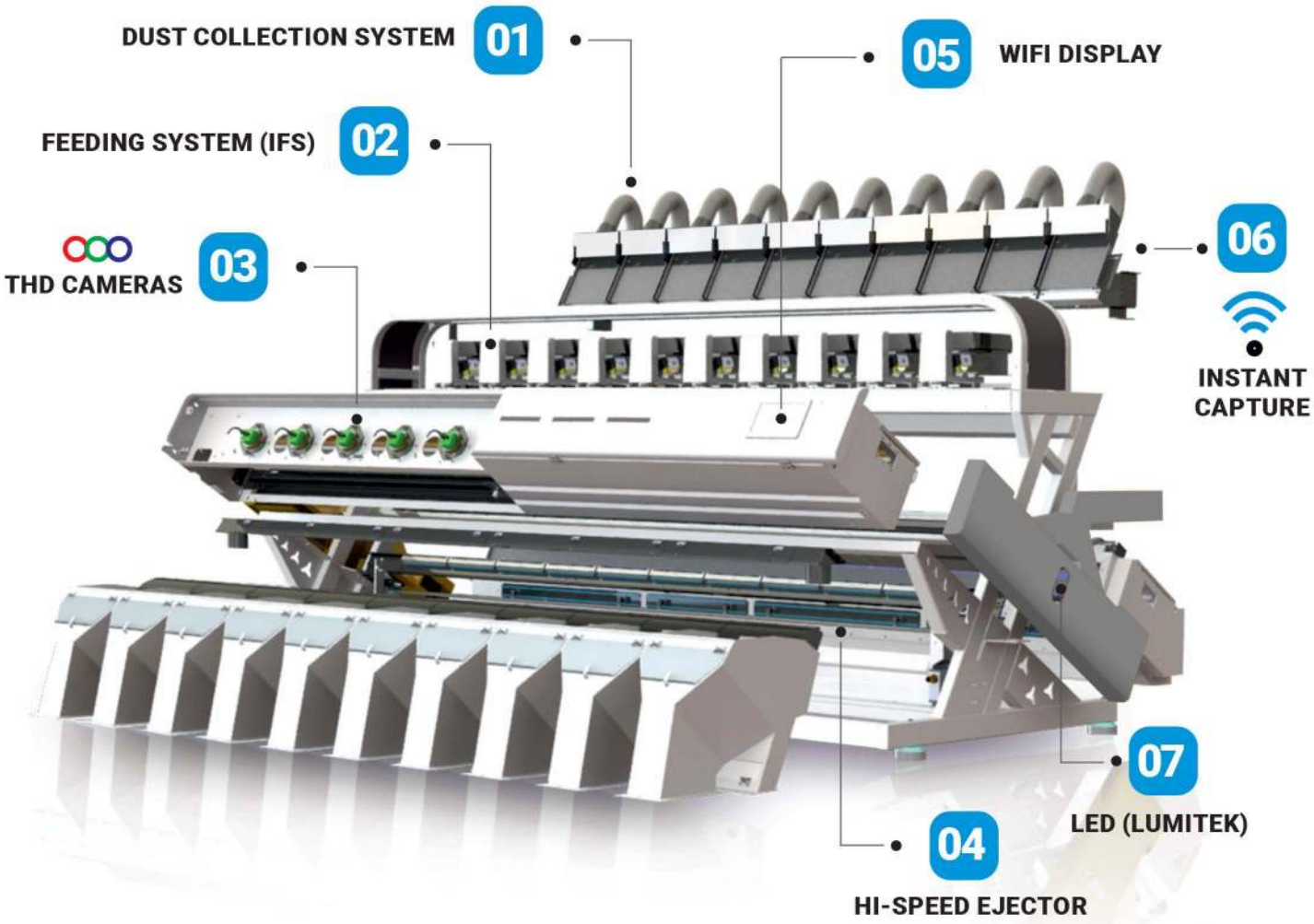


WiFi DISPLAY



05 LIVE PERFORMACE MONITORING

Through this feature live performance of this machine can be monitored. Real-time Output Tonnage and batch-wise production data can be monitored and stored. This helps with the efficient utilization of the machine.



06 AI ORANGE CARE PLUS

Troubleshooting can be done online which helps faster to provide resolution to the customer in an accurate and efficient method. Get instant suggestion and guidelines for effective machine operation from technical experts by sharing AI Image Capture and performance data.





07 LED LIGHTING system

Tri Horizon LED lighting system design provides accurate defect classification system to meet export quality. Lumitech certified LEDs are used for its longer life expectancy, which gives life span over 1,20,000 hrs.

WHOLE CASHEW



INPUT



OUTPUT



REJECTION

SPLITS COLOR SORTING



INPUT



OUTPUT



REJECTION

CASHEW BITS SORTING



INPUT



OUTPUT



REJECTION

GRADE WISE SIZE SORTING



INPUT



W180 W210 W240 W320

WHOLE CASHEW & SPLIT CASHEW SEPARATION



INPUT

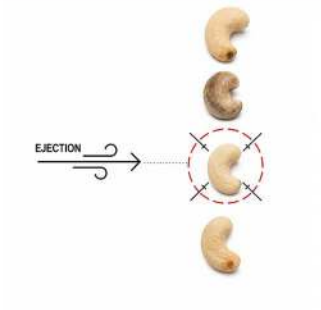


OUTPUT WHOLE



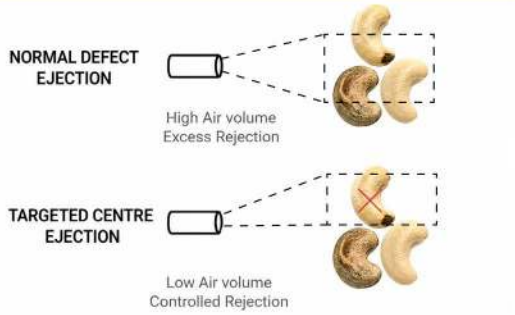
OUTPUT SPLIT

Femtosort Multi Helps To Build Wealth For Its Customers With Great Peace Of Mind



REVERSE SORTING

Rejecting Good cashew in final rejection through Reverse Sorting feature decreases the wastage of good grains.



TARGETED CENTRE REJECTION

Targeting centre region of individual cashew controls excess rejection of good cashew. Due to the optimized ON time of the ejector, air consumption is reduced by around 20% and valve life expectancy is increased.

Ai PRODUCT LEARNING



Good Teaching



High Quality Output

Machine Learning Fast teaching with Hand picked samples



High Quality Output



Rejection

High Quality Output after easy and fast setting ever possible

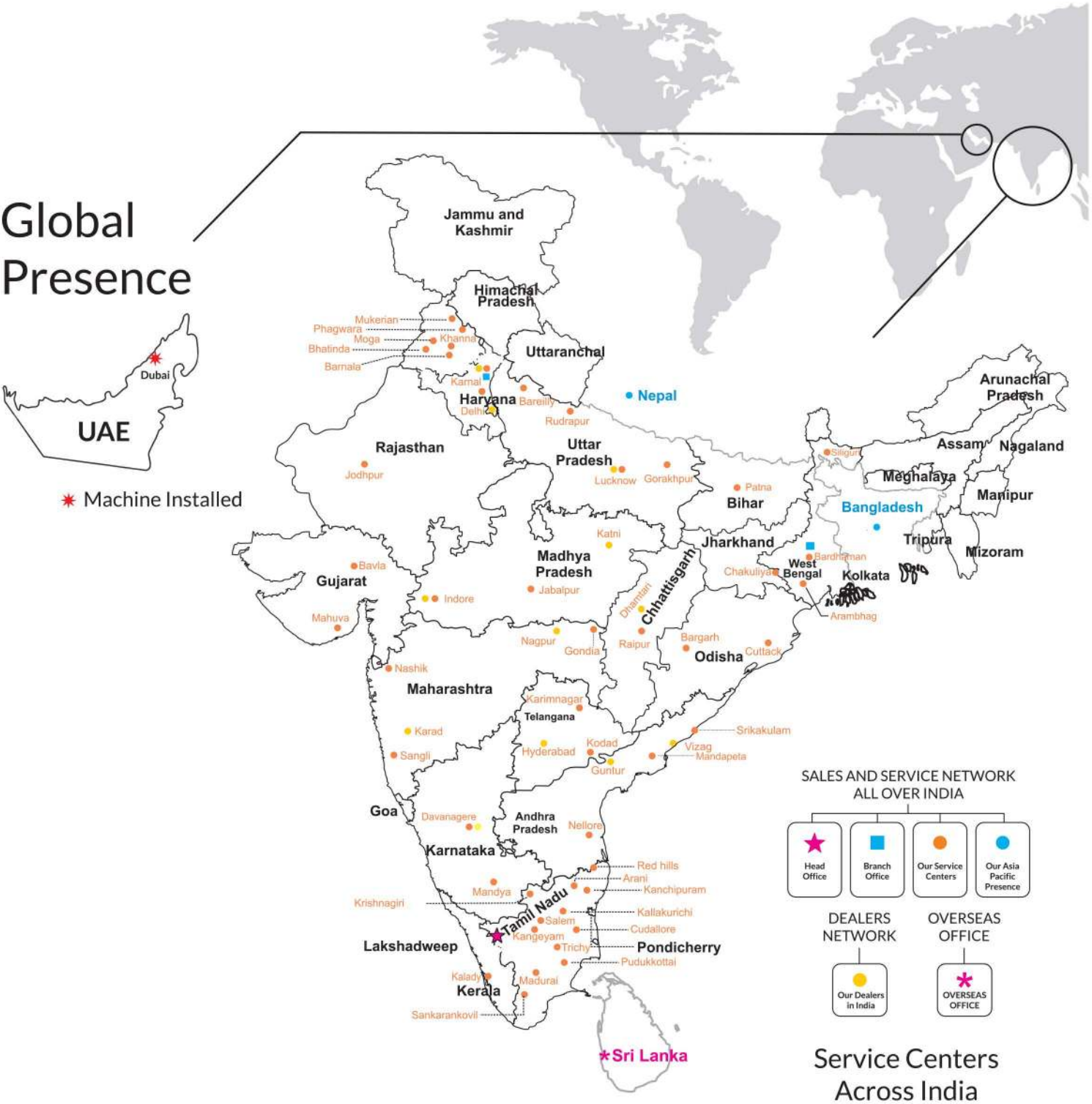
TECHNICAL FEATURES

MODEL	FEMTO AI 1	FEMTO AI 2	FEMTO AI 3	FEMTO AI 4	FEMTO AI 5	FEMTO AI 6	FEMTO AI 7	FEMTO AI 8	FEMTO AI 10
Cashew Whole Sorting	500kg per chute/Upto 5 Ton								
Cashew Split Sorting	550kg/Upto 5.5 Ton								
Bits Cashew Sorting	300kg/Upto 3 Ton								
No of Channels	64 CH	128 CH	192 CH	256 CH	320 CH	384 CH	448 CH	512 CH	640 CH
Voltage & Frequency (V//Hz)	AC 220 /50 Hz								
Power required (KVA)	2	2	3	5	7.5	7.5	10	10	12
Air pressure required Kg/cm2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2
Air required (CFM) Reduced 20% Air	30	50	70	95	120	140	161	185	230
Weight Max. (kg)	300	300	550	750	1170	1458	1650	1800	2403
Frame Type	2 FRAME	2 FRAME	3 FRAME	4 FRAME	5 FRAME	6 FRAME	7 FRAME	8 FRAME	10 FRAME
Camera	THD RGB Camera								
Dimension in Feet ' Inches " (L)	4'0.5"	4'0.5"	5'1"	6'2.5"	7'5"	9'5"	10'5"	11'	14'1"
Dimension in Feet ' Inches " (w)	5'7.5"	5'7.5"	5'7.5"	5'7.5"	5'7.5"	5'7.5"	5'7"	5'7"	5'8"
Dimension in Feet ' Inches " (H)	6'1"	6'1"	6'1"	6'1"	6'1"	6'1"	6'8"	6'8"	6'8"

Terms and conditions :

* Sorting performance varied depends upon Variety, Input contamination and condition of raw material.
* The capacity range given is for 2 to 5% contamination on tested.
* Performance means: Output and Rejection ratio (g: good b:bad), Purity
* Capacity means" Throughput" = Output + Rejection
* Air consumption will be more in case of higher rejection rate for raw materials with higher contamination
* Configuration Changes "Programmable ",given informations for Rice commodities. Other commodities details contact Technical team.

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ORANGE SORTING MACHINES (INDIA) PRIVATE LIMITED.

Head Office:
SF No. 90/3, Aadhavan Industrial Estate,
Atthipalayam Road, Chinnavedampatti,
Coimbatore - 641049.
Tamil Nadu, INDIA. Fax: +91 422 4528899

East Branch Office:
1st Floor, City Tower, G.T. Road,
BURDWAN, West Bengal - 713 101, INDIA.
Phone: +91 342 2665558/59
Mobile: +91 93333 72606

Phagwara Office:
A-1, Maya Tower, New Model Town,
Back Side Civil Court., Phagwara
Dist. Kapurthala, Punjab - 144 401.
Mobile: +91 84270 08225

Phone : +91 96009 43489 **e-mail: marketing@orangesorter.com** **web: www.orangesorter.com**