MADE IN INDIA

orange

PRECISION SORTING. PREMIUM QUALITY.

Engineered for accurate separation and superior rice quality.



FEMTOSORT

ORANGESORTER.COM

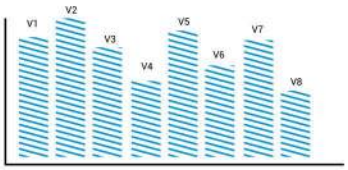


01 Dual Stage DUST COLLECTION System

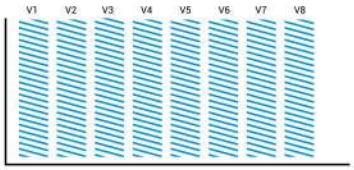
Dual stage dust collection system Prevents Dust accumulation on optical vision area, there by reducing the wiping time results in Increase in Tonnage is by 35%.

02 Intelligent FEEDING SYSTEM (IFS)

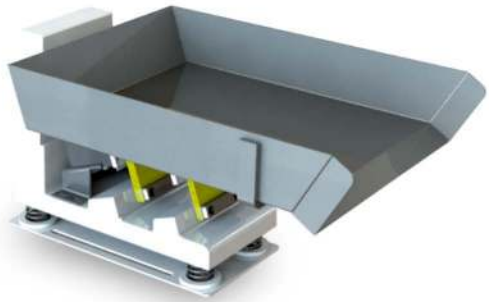
Intelligent feeding system uses a feedback mechanism which analyses and regulates the flow rate on each Individual vibrator. By using this IFS FEATURE consistent productivity and enhanced quality is achieved.



Without IFS



With IFS





03 THD Cameras

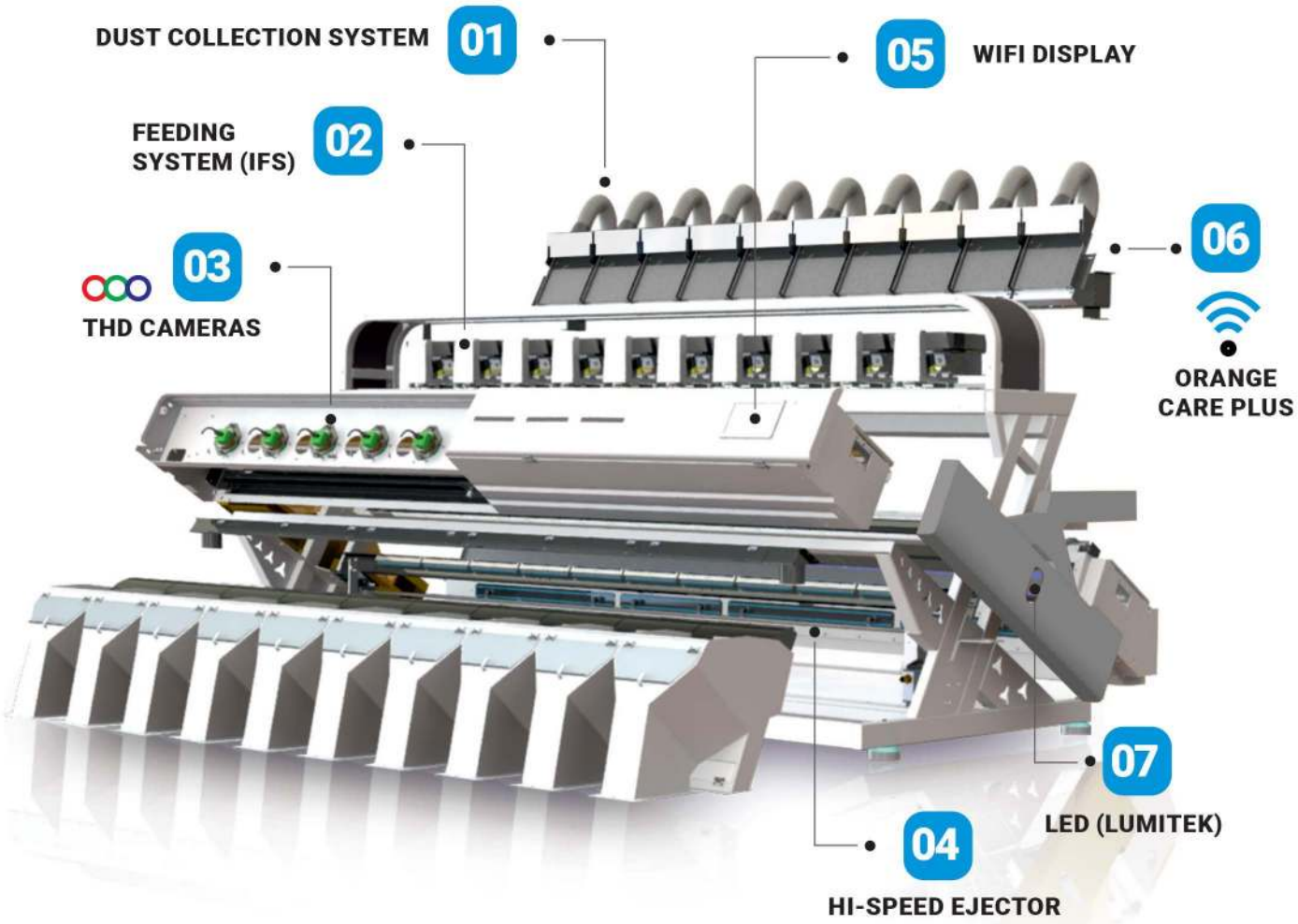
Synchronized Dual trichromatic HD RGB Camera with higher scanning speed gives Sharper image and high Dynamic range, which helps in detecting minute spot defect and colour defects like mild chaky and light yellow.

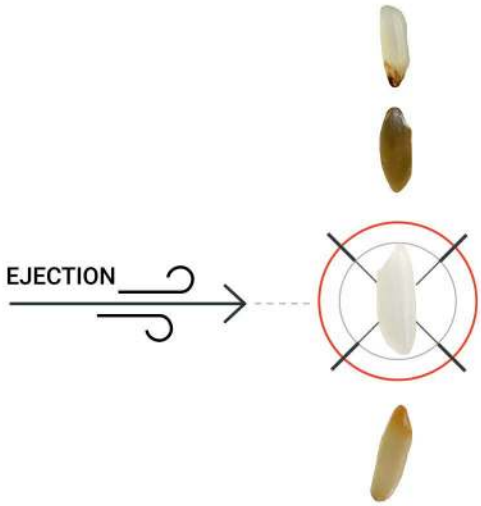
- 32400 Pixels per Second
- 16 Billion Colour Combination
- 0.07 mm Accuracy
- 52,740 lines per Second

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.



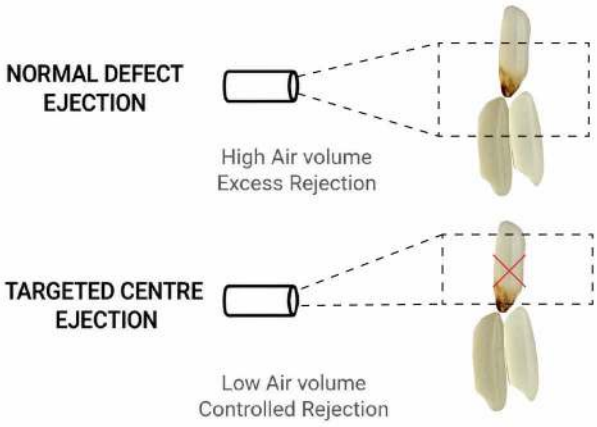




REVERSE OBJECT Sorting

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

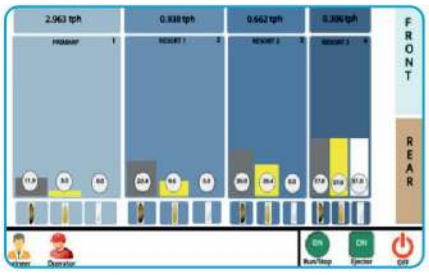
Rejection Ratio >70:1 (Bad: Good)



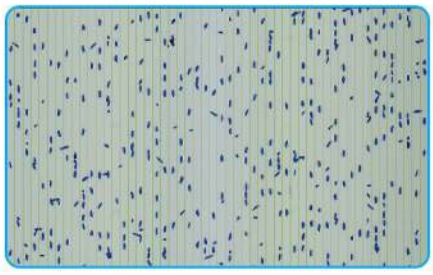
TARGETED CENTRE Rejection

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

WiFi DISPLAY



05



LIVE PERFORMACE MONITORING

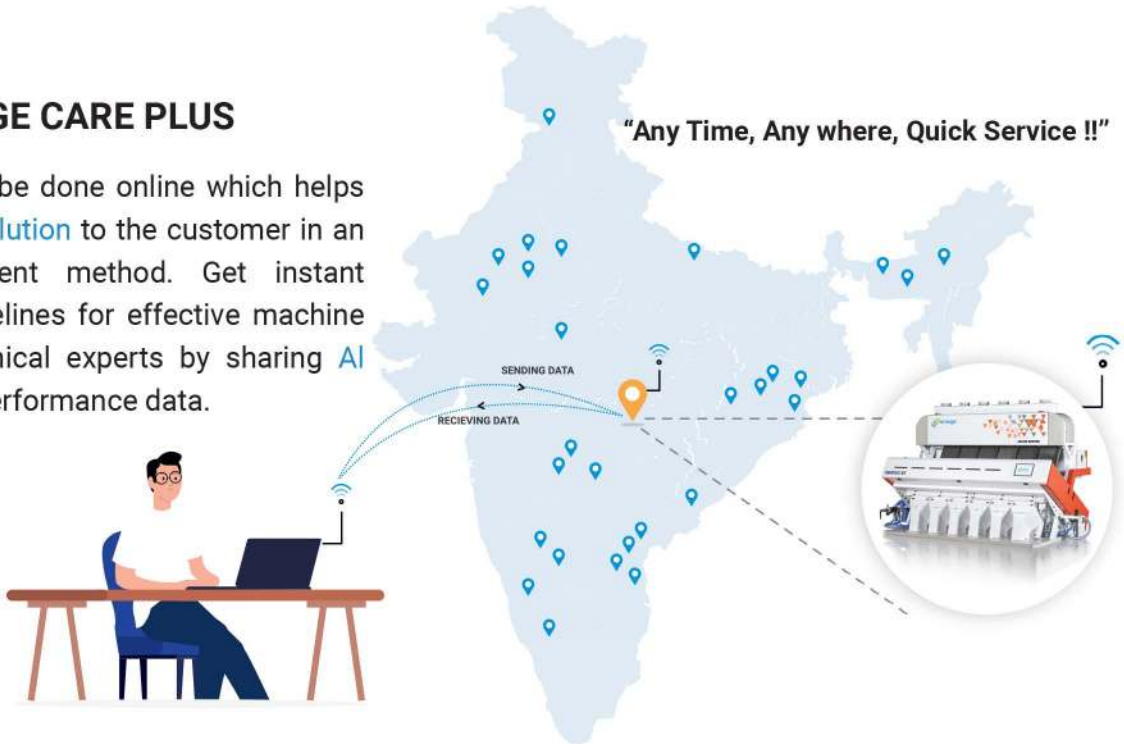
Through this feature live performance of this machine can be monitored. Real-time Output Tonnage and batch-wise production data can be monitored and stored. This helps with the efficient utilization of the machine.

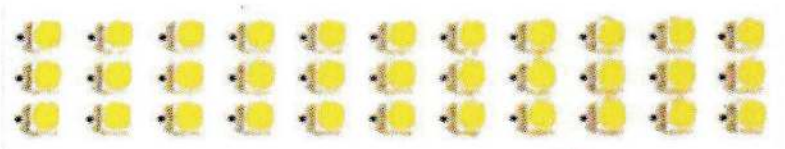
AI IMAGE CAPTURE

Artificial Intelligence image capture helps to capture high speed grains and analyze fine parts of every grain. It helps to make user friendly operation.

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.

ABOUT

Femtosort is a greater technical output of Orange intelligent team through its 20+ years of experience and by understanding the customer requirements.



> Ai Image Capture
> Reverse object sorting
> Orange Care Plus
> Centre-Ejection
> Live Tonnage Monitoring
> Intelligent Feeding System
> THD Camera
> Dual Stage dust collection system

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

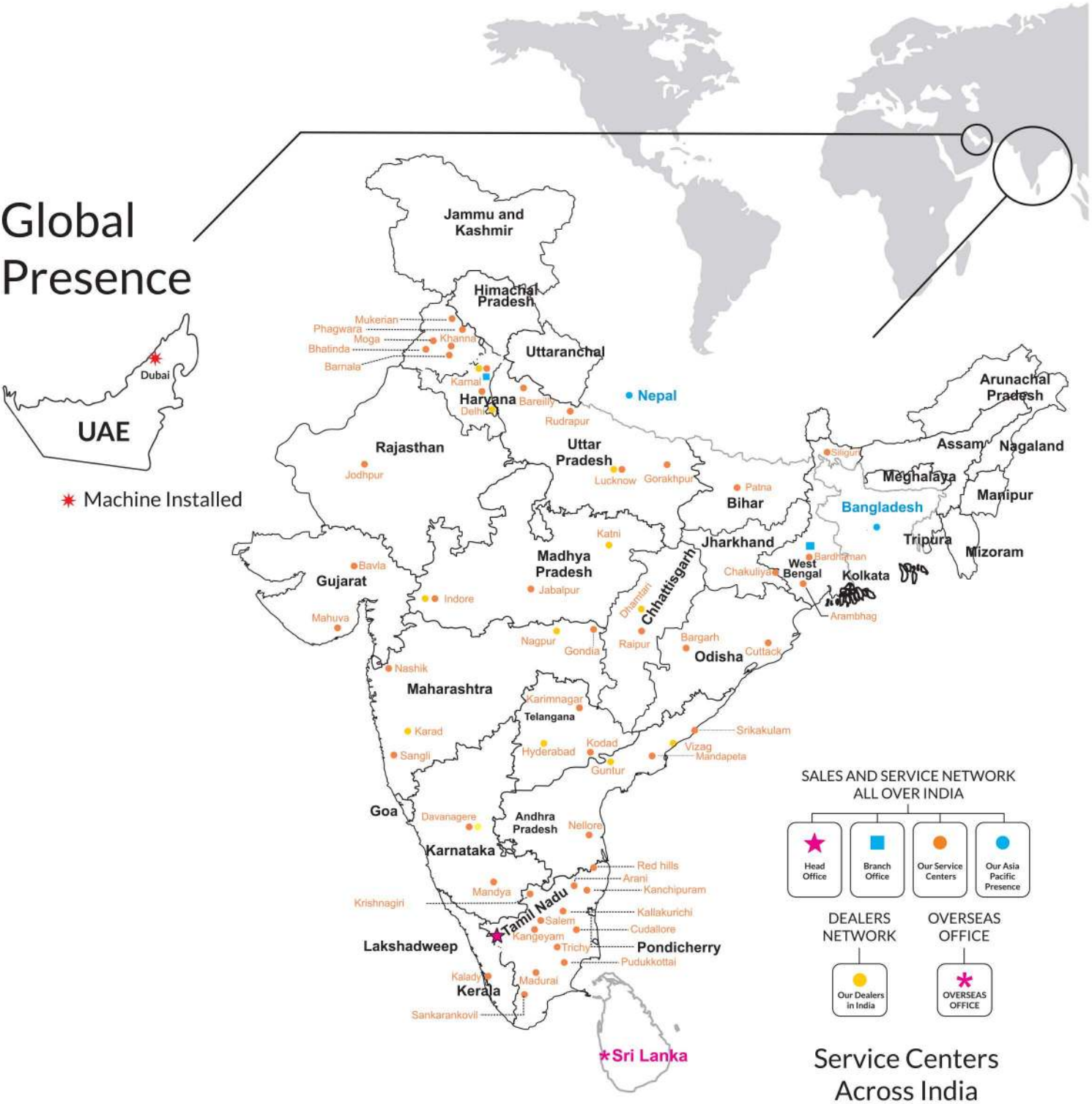
Technical Features

MODEL	FEMTO 5	FEMTO 6	FEMTO 7	FEMTO 8	FEMTO 10
* Processing Capacity (Tons/Hr)	3~4 TPH	4~5 TPH	5~6 TPH	6~7 TPH	7.5~10 TPH
No of Channels	320 CH	384 CH	448 CH	512 CH	640 CH
* Sorting Accuracy	>99.7%	>99.7%	>99.7%	>99.7%	>99.7%
* Rejection Ratio	≥100:2				
Voltage & Frequency (V//Hz)	AC 220 /50 Hz				
Power required (KVA)	7.5 KVA			10 KVA	12 KVA
Air pressure required Kg/cm^2	6.1 - 8.2				
Air required (CFM)	120	140	160	185	230
Weight Max. (kg)	1170	1458	1650	1800	2403
Dimension in Feet ' Inches " (L)	7'5"	9'5"	10'5"	11'	14'1"
Dimension in Feet ' Inches " (W)	5'7.5"	5'7.5"	5'7"	5'7"	5'8"
Dimension in Feet ' Inches " (H)	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.

Global Presence



IS 17854
CM/L - 6500066707
Bureau of Indian Standards

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TO BRING A SMILE ON OUR EVERY CUSTOMER'S FACE

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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**