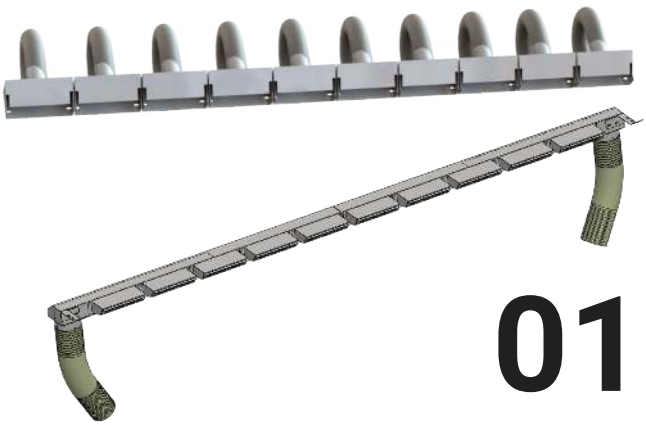
MADE IN INDIA

orange®



FEMTOSORT

GRAVIS Ai -RICE



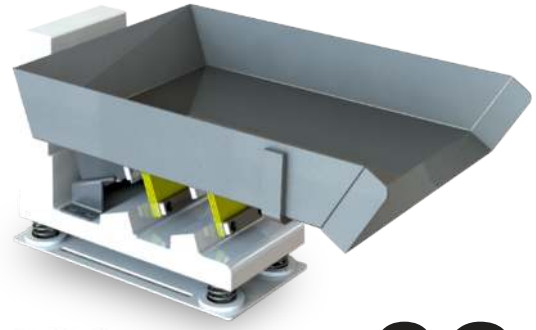
01

Dual Stage DUST COLLECTION System

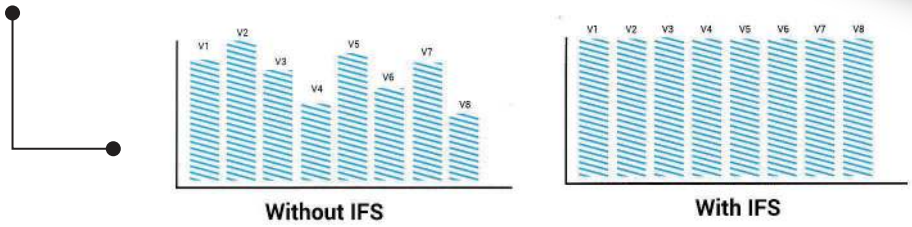
Dual stage dust collection system Prevents Dust accumulation on optical vision area, there by reducing the wiping time results in Increase in Tonnage is by 35%.

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.



02





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.

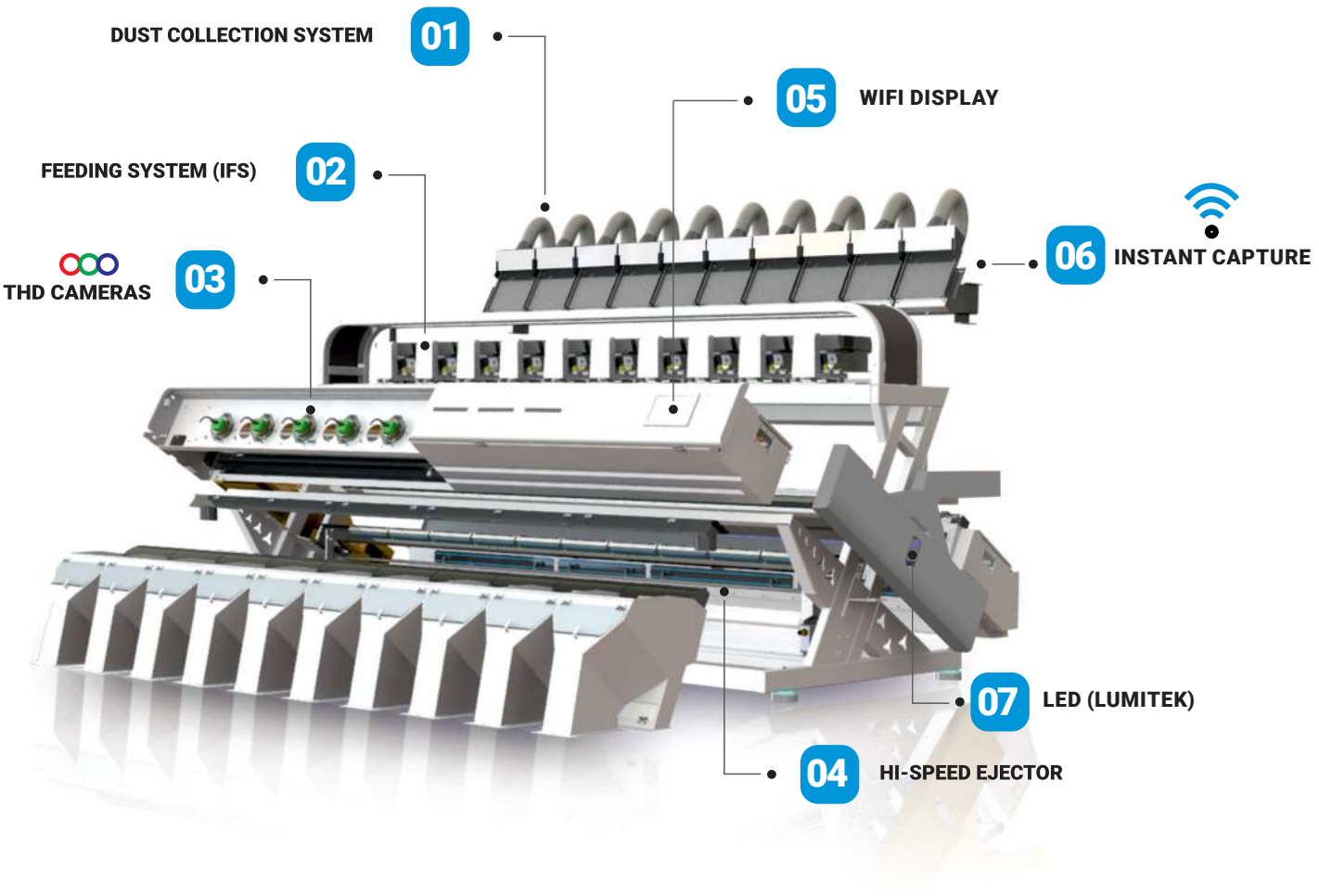
- 32400 Pixels per Second
- 16 Billion Colour Combination
- 0.07 mm Accuracy
- 44 Scanning Speed upto 52,740 lines per Second

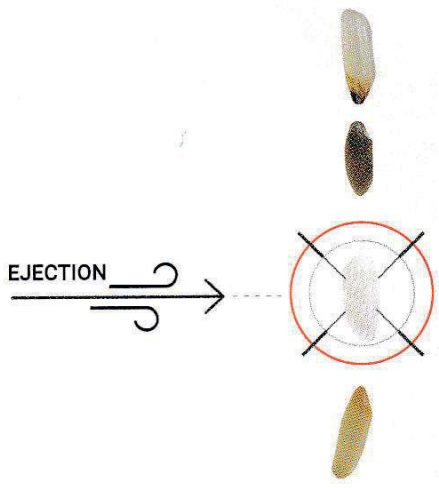
04

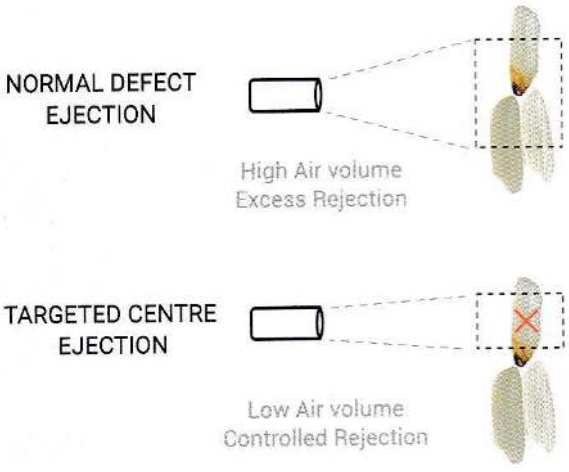
High-Speed EJECTOR

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 >15 billion cycles.









REVERSE OBJECT Sorting

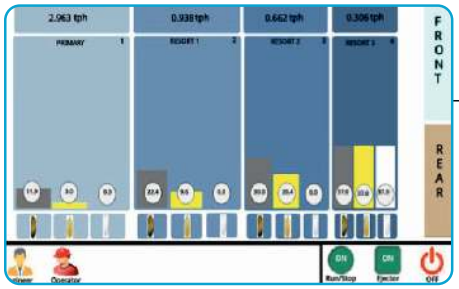
Rejecting Good rice in final rejection through Reverse Sorting feature decreases the wastage of good grains.

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.

BROKEN AND HEAD RICE SEPARATION



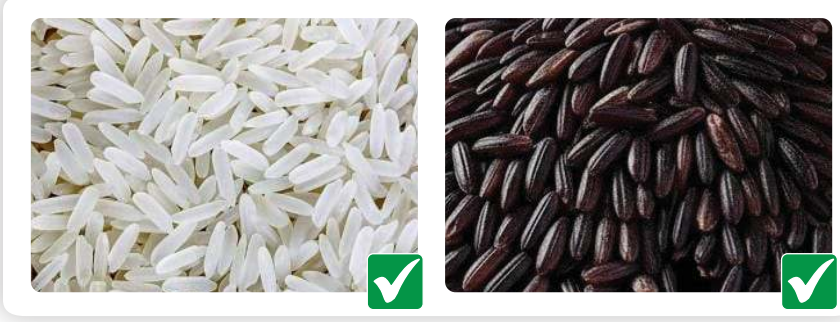
AI tracks grain movement frame-by-frame
Predicts fall path
Activates air ejector only for broken grains

THIN & BOLD RICE



AI cameras measure individual grain length in real time
Automatically separates thin (long) rice from bold (short/medium) rice
Accuracy maintained at high processing speeds

INTELLIGENT ZERO WASTAGE REJECTION IN AI TECHNOLOGY



AI precisely identifies defective, off-size, or non-compliant grains
Prevents unnecessary rejection of acceptable grains
Ensures only true defects are separated

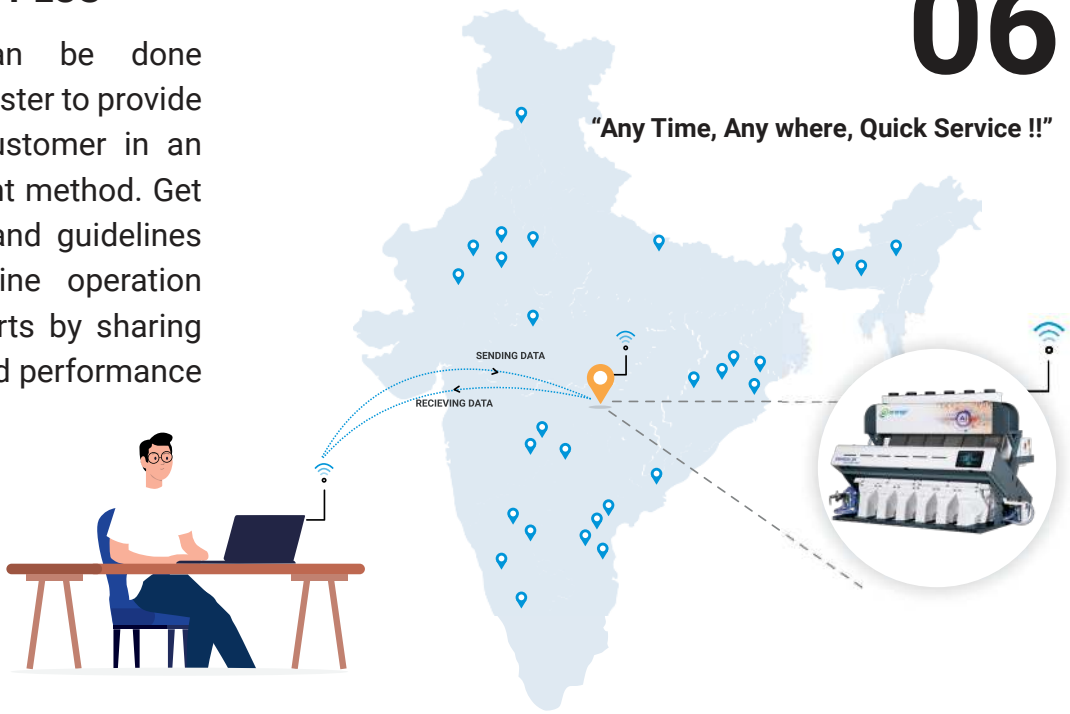
HIGH QUALITY OUTPUT ZERO WASTAGE

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.

06

"Any Time, Any where, Quick Service !!"



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.

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

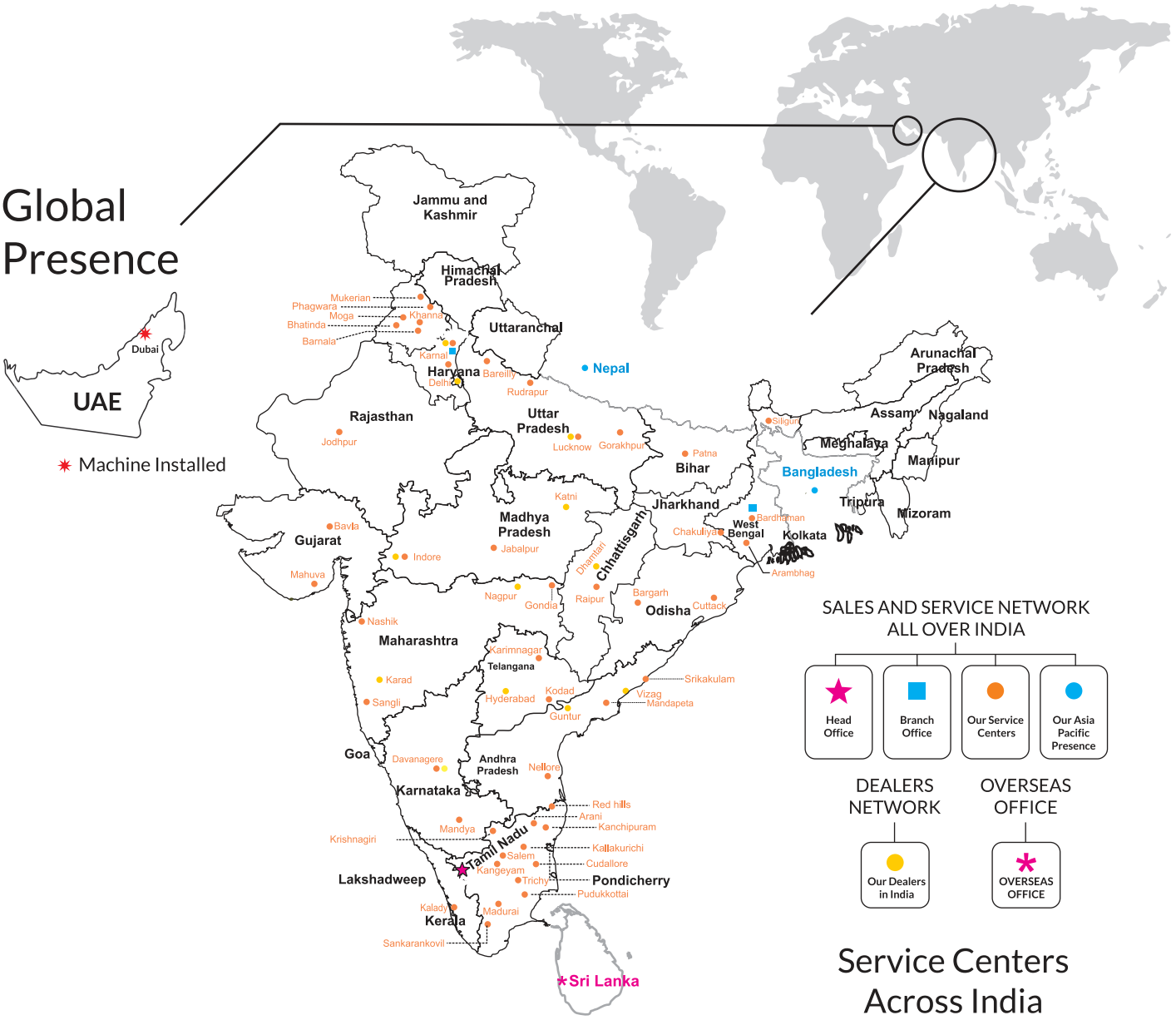
Technical Features

Model	Femto Ai-Rice 320 CH	Femto Ai-Rice 384 CH	Femto Ai-Rice 512 CH	Femto Ai-Rice 640 CH
* Processing Capacity (Tons/Hr)	3~4 TPH	4~5 TPH	6~9 TPH	7.5~10 TPH
Chute [No of Channels]	128+64+64+64	192+64+64+64	256+128+64+64	320+128+128+64
* Sorting Accuracy	>99.6%	>99.6%	>99.6%	>99.6%
* Rejection Ratio	≥70:1	≥70:1	≥70:1	≥70:1
Voltage & Frequency (V//Hz)	AC 220 /50 Hz	AC 220 /50 Hz	AC 220 /50 Hz	AC 220 /50 Hz
Power required (KVA)	7.5	7.5	10	12
Air pressure required Kg/cm^2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2	6.1 - 8.2
Air required (CFM)	120	130	150	160
Weight Max. (kg)	1170	1458	1800	2403
Frame Type	5 Frame	6 Frame	8 Frame	10 Frame
Dimension in Feet ' Inches " (L)	7'5"	9'5"	11'	14'1"
Dimension in Feet ' Inches " (W)	5'7.5"	5'7.5"	5'7"	5'8"
Dimension in Feet ' Inches " (H)	6'1"	6'1"	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% (Dark defects) contamination on tested.
*Capacity means "Throughput" = Output + Rejection
*Air consumption will be more in case of higher rejection rate for raw materials with higher contamination
*Technical Specifications may change without prior information due to continuous R&D

Discussion :

Global Presence



SALES AND SERVICE NETWORK ALL OVER INDIA

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- Branch Office
- Our Service Centers
- Our Asia Pacific Presence

DEALERS NETWORK

- Our Dealers in India

OVERSEAS OFFICE

- OVERSEAS OFFICE

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Sankarankovil				Mukerian

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OSM/SNM/CTG 004/V01

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**