orange®

MADE IN INDIA



FEMTOSORT

GRAVIS Ai – MULTI

PLASTIC GRANULES



PLASTIC FLAKES



www.orangesorter.com



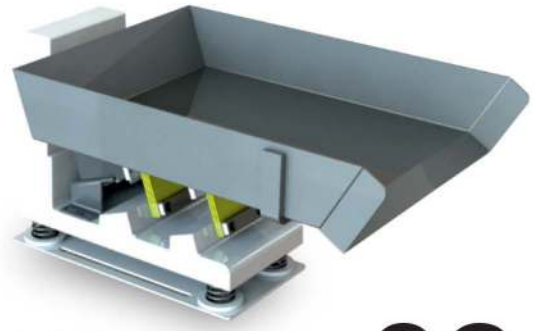
01

Dual Stage DUST COLLECTION System

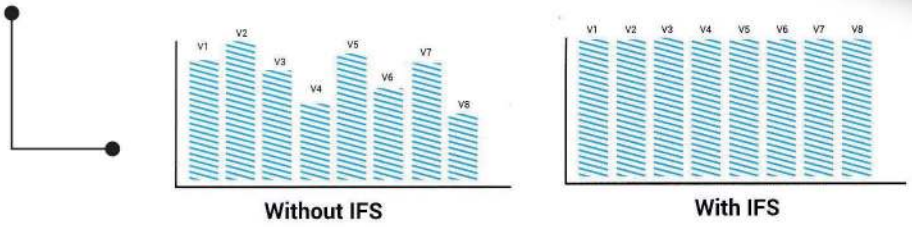
Dual stage dust collection system Prevents Dust accumulation on optical vision area, there by reducing the wiping time results in Increase in Tonnage is by 35%.

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.

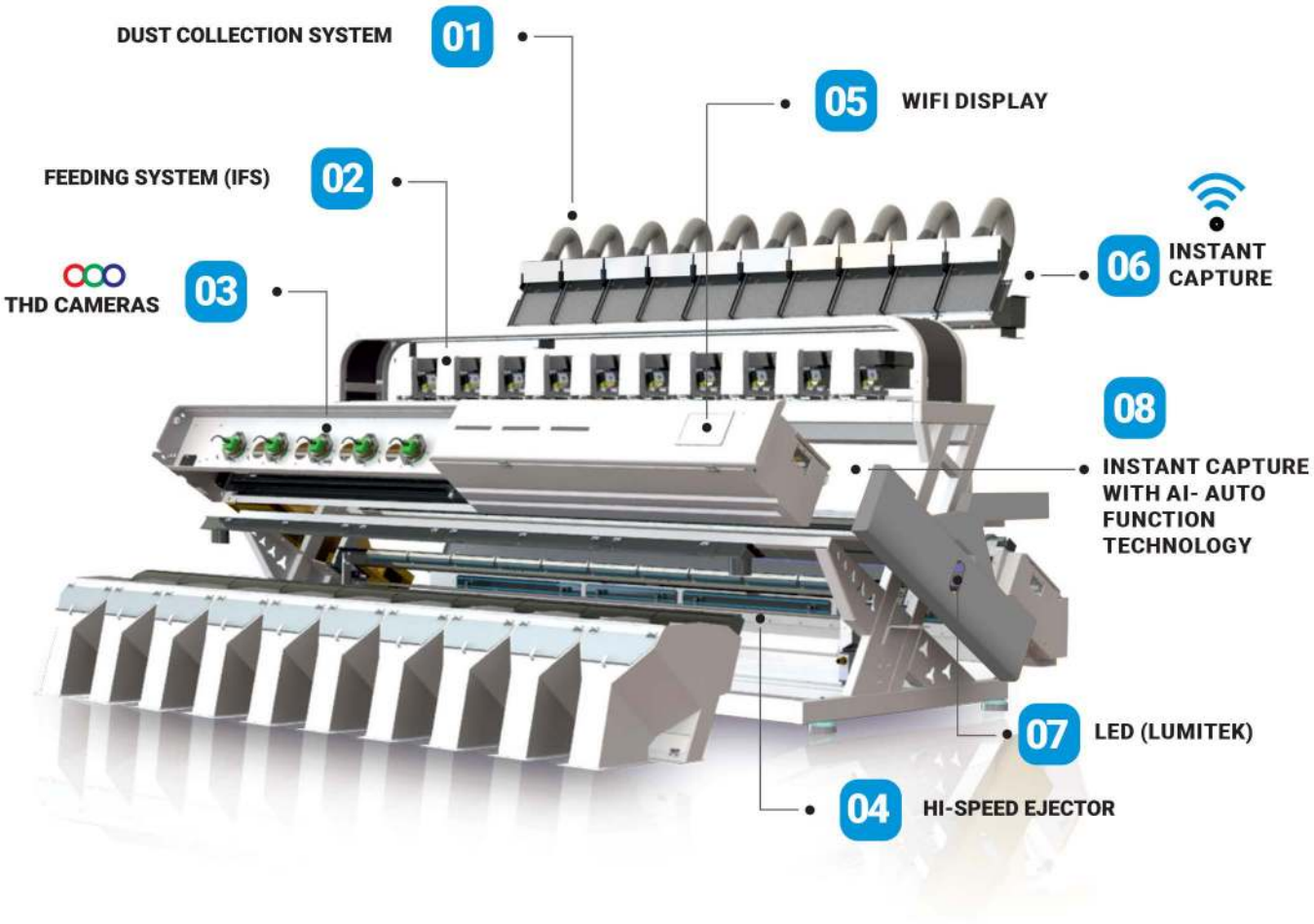
- 32400 Pixels per Second
- 16 Billion Colour Combination
- 0.07 mm Accuracy
- 44 Scanning Speed upto 52,740 lines per Second

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.





AI TEACHING MULTI-GRANULES SEPARATION



Good Teaching

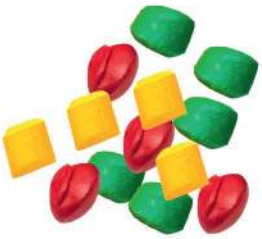


High Quality Output

Machine Learning Fast teaching with Hand picked samples



High Quality Output



Rejection

High Quality Output after easy and fast setting ever possible

AI TEACHING MULTI-FLAKES SEPARATION



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

PLASTIC FLAKES, PP, PET, LDPE, ALL TYPES OF PLASTIC FLAKES

From Mixed Flakes to Crystal-Clear Quality—Instantly. **"Every Flake Scanned. Every Defect Eliminated."** Turn Waste Into Premium Profit—With Precision AI. **"Maximum Output. Minimum Rejection. Zero Compromise."** Stop Losing Good Material—Start Winning with Precision.



INPUT



OUTPUT



REJECTION

AUTO AI SETTING MULTI-FLAKES SEPARATION

"Instant AI Capture. Auto Settings. Perfect Color Separation—Every Time."
One Click. Instant AI. Total Color Control. Auto-Set. Auto-Sort. Absolute Perfection. Instant Capture AI That Separates Every Color with Precision Power. **"All Colors. One Machine. Zero Compromise."**



INPUT

COLOUR SEPERATION

AUTO AI SETTING MULTI-GRAIN SEPARATION

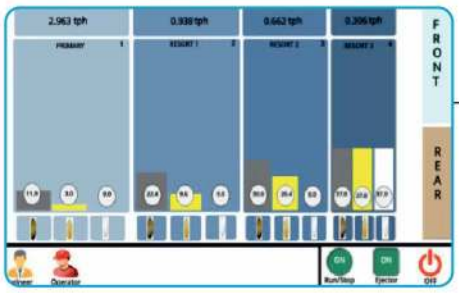
"Deep AI That Separates Every Color—Delivering Pure, Premium Quality." Deep AI Precision That Turns Mixed Granules into Premium Perfection. Multi-Color Granules In. High-Quality Output Out—Powered by Deep AI. From Mixed to Masterpiece—Driven by Deep AI Technology.



INPUT

HIGH QUALITY OUTPUT

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.

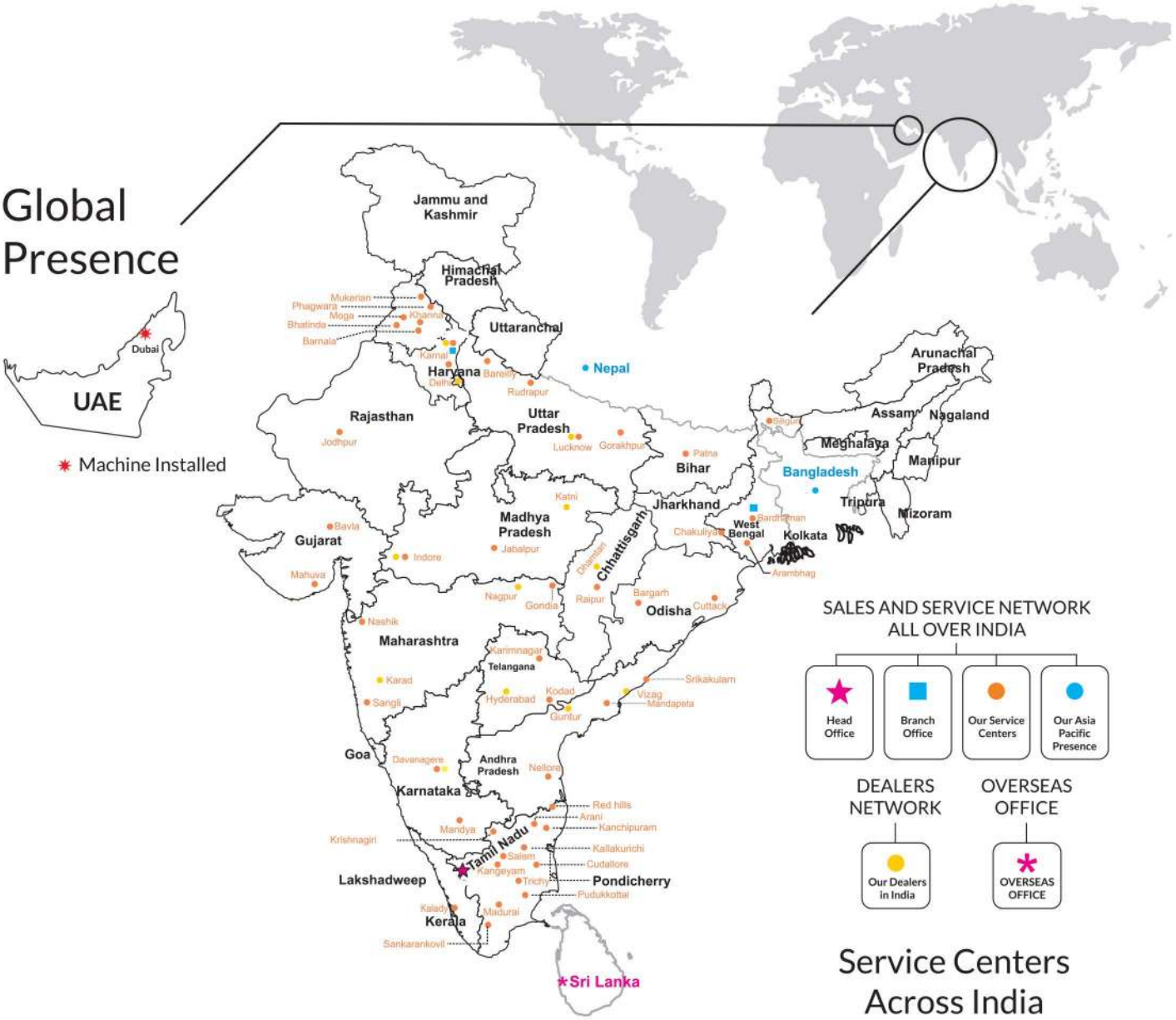
TECHNICAL FEATURES

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
* Processing Capacity (Tons/Kg)	250 - 330 Kg Per Chute								
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%	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.

Global Presence



SALES AND SERVICE NETWORK ALL OVER INDIA

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

DEALERS NETWORK

- Our Dealers in India

OVERSEAS OFFICE

- OVERSEAS OFFICE

Service Centers Across India

SOUTH		CENTRAL	EAST	NORTH
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Kanchipuram	Salem	Nasik	Arambagh	Gorakpur
Arani	Kalady	Sangli New	Siliguri	Lucknow
Cudallore	Mandya	Jabalpur	Bargarh	Bareilly
Kallakuruchi	Davanagere	Mahuva	Cuttack	Kaithal New
Kangeyam	Karimnagar	Raipur	Chakulia	Karnal
Puduhukottai	Mandapeta	Indore	Patna	Barnala
Trichy	Srikakulam	Bavla		Phagwara
Madurai	Nellore			Bhatinda
Kodad	Guntur			Khanna
Sankarankovil				Mukerian

MISSION CUSTOMER DELIGHT

For Service, Call Toll Free

1800 270 4588

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**