MADE IN INDIA

orange®



TEA SORTER

India's No.1 Brand in Colour Sorting Technology

GREEN & ORTHODOX

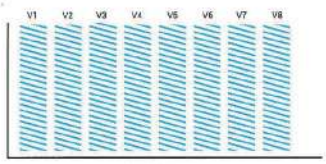
www.orangesorter.com

01 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



02 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
- 0.07 mm Accuracy
- 16 Billion Colour Combination
- 44 Scanning Speed upto 52,740 lines per Second

03 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.



WiFi DISPLAY



04 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.

05 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.

AI TEACHING
ORTHODOX



Good Teaching



Rejection Teaching



Output



Rejection

AI TEACHING
GREEN



Good Teaching



Rejection Teaching



Output



Rejection



Golden Tip Retain



Silver Tip Retain

WE CAN REMOVE FOREIGN PARTICLES THROUGH AI TECHNOLOGIES



Plastic



Stone



Mud



Other Leafs

ORTHODOX



Input



Output



Rejection

GREEN



Input



Output



Rejection



OGR 64 & 128

Compact **high-precision tea sorting machine designed for small to medium processing units**. Delivers reliable impurity removal with consistent output and advanced AI-based sorting accuracy.

KEY FEATURES

Compact vertical design for **space-saving installation**

AI-powered sorting for accurate impurity detection

TECHNICAL SPECIFICATIONS

Model	no of chute	Processing capacity (Kg/hr)	Purity (%)
OGR 64 Ai	1	70-90	97
OGR 128 Ai	2	140-170	97

OGR 2 S

Advanced **dual-stage tea sorting system** built for medium-capacity tea processing operations. Ensures enhanced purity levels with stable performance and efficient multi-chute sorting technology.

KEY FEATURES

Dual and quad chute models for flexible production needs

High-speed sorting with superior accuracy

TECHNICAL SPECIFICATIONS

Model	no of chute	Processing capacity (Kg/hr)	Purity (%)
OGR 2S 128 Ai	2	100-150	99
OGR 2S 512 Ai	4	150-200	99



SILVER TIP AND GOLDEN TIP RETAIN

OGR 3 S

High-capacity intelligent tea sorting machine engineered for precision and productivity. Designed to achieve **excellent purity levels while handling large-scale tea** processing efficiently.



KEY FEATURES

- **Multiple chute** configurations for higher throughput
- Smooth material flow with **reduced wastage**

TECHNICAL SPECIFICATIONS

Model	no of chute	Processing capacity (Kg/hr)	Purity (%)
OGR 3S 576 Ai	3	240-320	99
OGR 3S 768 Ai	4	370-430	99
OGR 3S 960 Ai	5	500-650	99
OGR 3S 1152 Ai	6	700-900	99

SILVER TIP AND GOLDEN TIP RETAIN



OGR 4 S

Premium **multi-layer tea sorting solution** developed for large-scale commercial tea industries. Combines advanced detection systems with high-capacity processing for maximum operational efficiency.

KEY FEATURES

- Multi-layer sorting system for improved **separation accuracy**
- **Stable and vibration-resistant** machine structure

TECHNICAL SPECIFICATIONS

Model	no of chute	Processing capacity (Kg/hr)	Purity (%)
OGR 4S 768 Ai	3	300-450	99
OGR 4S 1024 Ai	4	400-600	99
OGR 4S 1280 Ai	5	500-750	99
OGR 4S 1536 Ai	6	600-900	99

SILVER TIP AND GOLDEN TIP RETAIN

OGR 5 S

Heavy-duty tea sorting machine crafted for **ultra-high-capacity tea processing environments**. Provides superior sorting precision, faster productivity, and dependable long-hour industrial performance.

KEY FEATURES

- Heavy-duty construction for **continuous operation**
- **Intelligent AI sorting** for premium tea quality

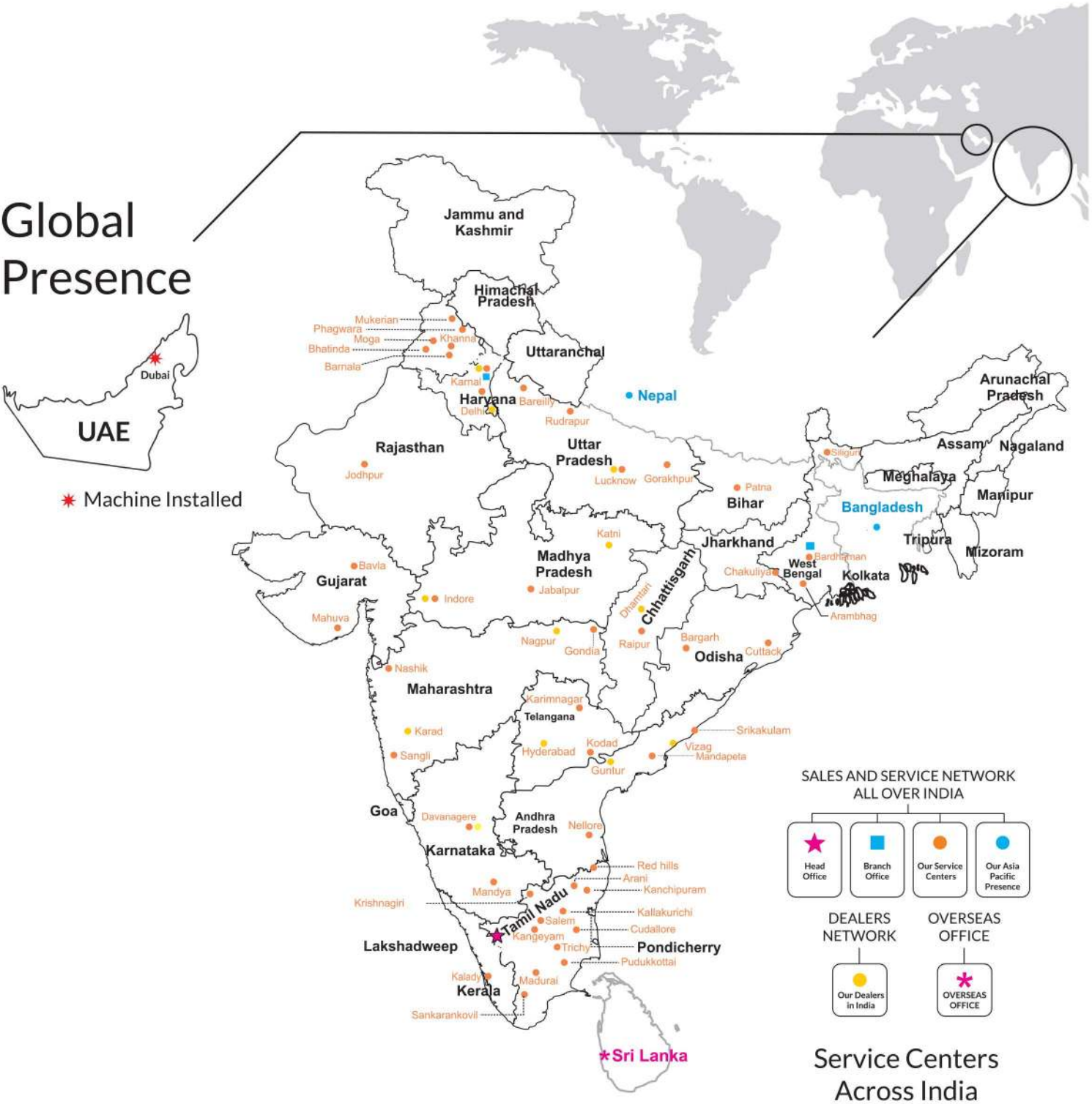


TECHNICAL SPECIFICATIONS

Model	no of chute	Processing capacity (Kg/hr)	Purity (%)
OGR 5S 960 Ai	3	300-450	99
OGR 5S 1280 Ai	4	400-600	99
OGR 5S 1600 Ai	5	500-750	99
OGR 5S 1920 Ai	6	600-900	99

SILVER TIP AND GOLDEN TIP RETAIN

Global Presence



SALES AND SERVICE NETWORK ALL OVER INDIA

Service Centers Across India

IS 17854
CM/L - 6500066707
Bureau of Indian Standards

For Service, Call Toll Free
1800 270 4588

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