

Jainum™

Jainum

Food & Waste Projects Pvt. Ltd., is a manufacturing company engaged in manufacturing of projects and equipment for Municipal Solid Waste Management, Food Roasting & Drying and Bagloading - Stacking. JAINUM carries over four decades of rich manufacturing experience of its Directors and can boast on its high quality equipments. We have supplied many Projects & Equipment across India and exported to various countries around the globe.

Our core area of specialization is :

- Equipments Manufacturing & Supply.
- Project Engineering & Consultation.
- Operation & Maintenance Assistance.

OUR PRODUCTS & SERVICES

Solid Waste Management Projects

1. MSW Composting & RDF Projects.
2. Organic Waste Converted (Organo)
3. Land Reclamation / Legacy Waste Processing.
4. Trommel, Shredder, BDS Units.
5. Drum / In vessel Composting Units.
6. Plastic waste to Allied Products.

Food Roasting and Energy Food Plant

1. Flours / Spices Roasting & Drying.
2. Spices Roasting & Drying
3. Energy Food Plant.
4. Instant Mix Plant.
5. Roasted Food Products.

Bagloader & Stacker

1. Standard Loader & Stacker.
2. Retractable Loader & Stacker.
3. Container Stacker.
4. Table Conveyor.
5. Custom Design.

OUR CLIENTS

Solid Waste Management Projects

1. Nashik Municipal Corporation
2. Bruhat Bengaluru Mahanagara Palike
3. Indore, Bhopal, Tirupati Municipal Corp.
4. Ramky Infrastructure Ltd.
5. UPL, Jaypee and Jindal Group.
6. IL&FS Group, JUSCO, A2Z Group....

Food Roasting & Energy Food Projects

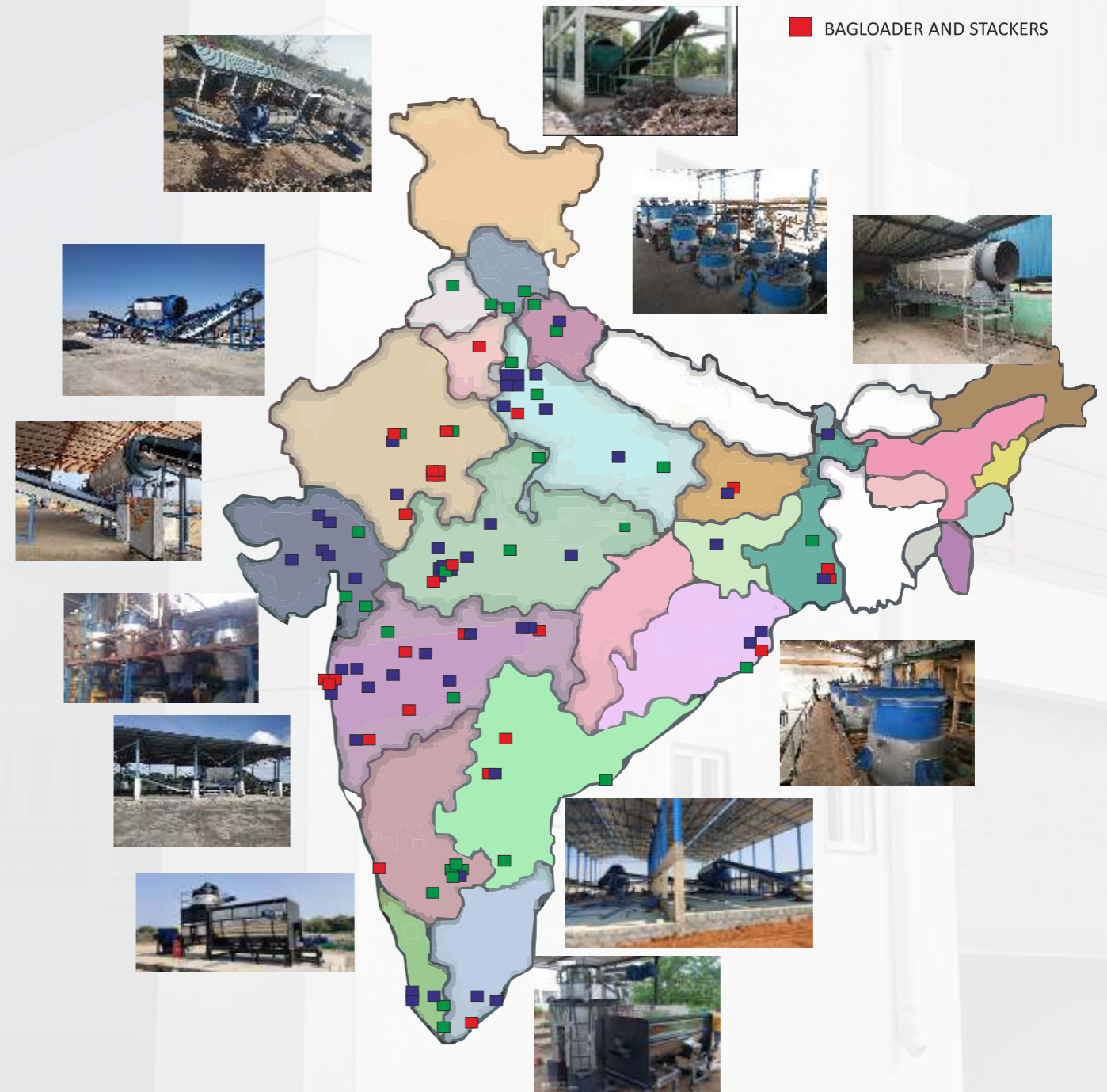
1. AMUL, SUMUL & BANAS Dairy
2. Dmart Ltd.
3. Isthmus, DS, Dabur, Pagariya Group.
4. Suhana (Praveen Masalewala).
5. Eastern, Brahmins, LALAHS....

Bagloader and Stacker Projects

1. ACC, Ambuja, Wonder Cements
2. Chambal, MCF, Deepak Fertilizer
3. Hindustan Unilever Ltd.
4. Dmart Ltd., Suguna Foods.
5. TATA Chemicals, Khaitan Fertilizer....

PROJECT LOCATIONS:

- SOLID WASTE MANAGEMENT PROJECT
- FOOD ROASTING & ENERGY FOOD PLANTS
- BAGLOADER AND STACKERS



CNC PROFILER



EDGE BENDING PRESS



OVERHEAD CRANE



SHEARING MACHINE



ROLL BENDING



Jainum

ROASTER & DRYER are used world over for Roasting, Drying, Cooling and Mixing of Flour / Grits of Wheat, Gram, Maize etc. and Spices in whole or powder form. Roasting Facilities of upto 400 Tons per day are installed in India and abroad.

ROASTER AND DRYERS



FEATURES:

- Very Uniform Roasting, Drying and Mixing of Spices, Flours & Grit. No charring.
- Stand-alone Electro-Thermic Fluid Heating system along with many operation and safety related features.
- Economical in O&M with operation cost of as low as 15 Paise per Kg.
- Same unit can be used for Drying and Mixing of different material as well.
- Ultra-high efficiency mixing of products.

ENERGY FOOD AND INSTANT MIX PLANT



CONTINUOUS ROASTER

CONTINUOUS COOLER

Well supported under ICDS Scheme of Central Government.

GRAIN POWDER/ GRIT



AFTER DRYING OR ROASTING



ROASTED FOOD PRODUCTS



ELECTRICAL ROASTER

- Gearbox
- Exhaust System
- Motor
- Electrical Heater
- Temperature Sensor
- Insulated Oil Jacket
- Lifting Hook
- Supporting Structure
- S.S. Vessel (304/316)
- Discharge Hopper
- Pneumatic Cylinder
- Control Panel

FEATURES:

- Batch or Continuous Drying, Roasting, Cooling and Mixing Facility designed to run 24x7.
- Produces high quality Energy / Fortified / Ready-to-Eat Food, as per recipe.
- HMI-PLC or Scada Controls, as per requirement.
- Options of Weigh-metric or Volumetric Mixing.
- Economical in O&M with operation cost of as low as 25 Paise per Kg.
- Ultra-high efficiency mixing of products.
- Single Point feeding.

ROTARY ROASTER AND MIXER



BATCH MIXER



ROTARY ROASTER

FEATURES:

- Very Uniform Roasting, Drying and Mixing of Spices, Flours & Grit. No charring.
- Stand-alone Electro-Thermic Fluid Heating system along with many operation and safety related features.
- Economical in O&M with operation cost of as low as 15 Paise per Kg.
- Same unit can be used for Drying and Mixing of different material as well.
- Ultra-high efficiency mixing of products.

MODELS AND THEIR CAPACITY :

Model Add 'R' for Roaster 'M' for Mixer 'C' for Cooler	Volumetric Capacity (in liters)	Minimum Space Required L x W x H (in meter)	WHEAT PRODUCTS in KG / BATCH			SPICES PROCESSING in KG / BATCH			ALLIED POWDER in KG / BATCH		
			Wheat Flour 0.55 Kg/lit.	Semolina 0.7 Kg/lit.	Whole Wheat 0.77 Kg/lit.	Coriander 0.34 kg/lit.	Cumin Seed 0.41 kg/lit.	Sesame Seed 0.6 kg/lit.	Starch 0.45 kg/lit.	Sandy Clay 1.5 kg/lit.	Misc. 2.0 kg/lit.
JFW - 125	125	1.5 x 1.2 x 2.0	69	88	97	43	52	75	57	188	250
JFW - 350	350	1.8 x 1.8 x 2.4	193	245	270	119	144	210	158	525	700
JFW - 500	500	1.8 x 1.8 x 3.4	275	350	385	170	205	300	225	750	1000
JFW - 1200	1200	2.1 x 2.1 x 3.8	660	840	924	408	492	720	540	1800	2400
JFW - 2000	2000	2.3 x 2.3 x 4.4	1100	1400	1540	680	820	1200	N.A	3000	4000
JFW - 4000	3500	2.8 x 2.8 x 4.8	1925	2450	2700	1190	1435	2100	N.A	5250	N.A.



Container Stacker

Application Area:

- ✍ Cement Industries.
- ✍ Fertilizer Industries.
- ✍ Food Industries.
- ✍ Chemical Industries.
- ✍ Railway Loading.
- ✍ Warehouses & Cold Storage. and other process industries.



Standard Conveyor



Container Stacker (Dual)



Low-Intake Conveyor.

An Unique Equipment to assist in Loading, Unloading, Stacking & De-stacking of Bags, Boxes etc.



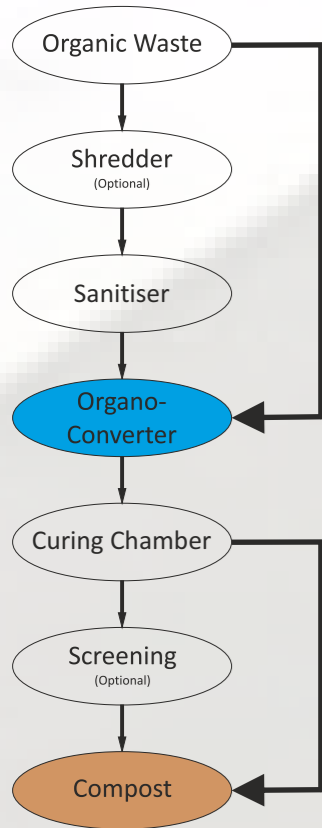
Telescopic Table Conveyor

TYPE	Model	Length	Feeding Height	Discharge Height	Belt , Bed Width
		(in mm)	(in mm)	(in mm)	(in mm)
TABLE CONVEYOR	TC-6 , 8 , 12 , 15	6000 - 15000	850	850 - 1250	500 , 600
	TC-3, 7 (Retractable)	3000 - 11000	850	850 - 1250	500 , 600
STANDARD CONVEYOR	MLS-4.5, 6 , 8	4500 - 8000	850	1200 - 4500	500 , 600
	MLS- 10 , 12	10000 - 12000	850	1200 - 6000	500 , 600
RETRACTABLE STANDARD CONVEYOR	MLS- 3.0, 5.0	3000 - 8000	850	1200 - 3800	500 , 600
	MLS- 7.0	6500 - 11250	850	1200 - 4200	500 , 600
CONTAINER STACKER	CS-3.0 , 5.0, 7.0	7000 - 14000	300 - 3300	1200 - 5600	500 , 600
	CS-3.0 (Dual)	7000 - 10000	200 - 4400	200 - 4400	500 , 600

OTHER STANDARD AND OPTIONAL FEATURES

1. Power requirement of 2 - 6 HP (Three Phase).
2. Reversible belt for facilitating both loading and unloading or stacking and de-stacking.
3. Load bearing capacity of upto 200 Kg. Loading capacity of upto 50 Tons/hr.
4. Push button Driving Unit for smooth shifting of the equipment. (Optional)
5. Custom designing of the feeding and discharge height of the equipment.

Batch Or Continuous Composting System



SORTING TABLE



HMI with PLC (Full Touch)



SCREW PRESS FEEDER



SHREDDER (In-built)



CURING CHAMBER

MODELS AND THEIR CAPACITY :

Organo Converter Model	Volumetric Capacity (in liters)	Min. Space Requirement L x W x H (in meter)	Processing Capacity in Kg per Day*	Electrical Load (in KW)
JFW - 70 OC	130	1.4 x 1.2 x 1.6	10 - 25	3 - 5
JFW - 125 OC	250	1.5 x 1.2 x 2.0	20 - 50	6 - 8
JFW - 350 OC	450	1.8 x 1.8 x 2.4	100 - 150	10 - 14
JFW - 650 OC	850	1.8 x 1.8 x 3.4	150 - 250	14 - 18
JFW - 1200 OC	1500	2.1 x 2.1 x 3.8	250 - 500	18 - 22
JFW - 2000 OC	2700	4.2 x 2.1 x 4.2	500 - 1000	22 - 26
JFW - 4500 OC	4500	5.0 x 2.1 x 4.2	800 - 1500	30 - 35
JFW - 6000 OC	6000	6.0 x 2.2 x 4.4	1000 - 5000	40 - 60

Note: Higher capacity models with Volumetric Capacity exceeding 1 lac Liters are also available.



SANITISER WITH SHREDDER

- Exhaust System
- Electrical Heater
- Level Sensor
- Insulated Oil Jacket
- HMI Control Panel
- Sorting Table
- SS Enclosure
- Shredder
- Bottom Feeder
- Supporting Structure

Salient Features:

- Uniquely designed Organo Converter (Sanitiser) with Curing Chamber Unit, capable of handling Organic kitchen / Mandi Waste, and converts it into Compost (Semi-finished).
- In built or External Shredder to reduce size of the Organic Waste .
- It reduces the volume of entire waste to nearly 20-30% of the in-feed volume.
- Unit is fully equipped with air induction system to aid in Aerobic Composting of the Organic Waste. It maintains an uniform temperature for the entire waste, in order to Sanitise and expedite the digestion process .
- Very robust design with one of the Strongest agitator.
- Compost produced (post sanitisation) is free from weed seed present in the Vegetable Waste.



AEROBIC DRUM COMPOSTER (upto 10 Tons per day)



SOLID WASTE MANAGEMENT

- MSW to Compost / RDF
- Land Reclamation Plant
- Organic Waste Converter
- Plastic Waste Recycling
- Material Recovery Facility (MRF)
- MSW Shredder

FOOD PROCESSING EQUIPMENTS

- Roaster-Mixer-Dryer
- Energy Food / Instant Mix Plant
- Grain Dryer
- Rotary Roaster
- Vertical / Horizontal Mixers
- Conveying Units

BAGLOADING & STACKING

- Mobile Loader & Stacker
- Wagon Loader
- Table Conveyors
- Chain Belt / Slat Conveyor
- Container Stacker
- Conveying Units