

INDIA'S FIRST
& LARGEST TURNKEY
SOLUTION PROVIDER
FOR
MANUFACTURING
FIBER PULP MOLDED
PRODUCTS



Leading With Innovation

VISION & MISSION

Vision

To be the Number 1 Brand preferred partner for Agro Fiber Molding Industry.

Mission

Ensuring sustainable growth of all stakeholders and encouraging continuous improvement in culture by providing innovative and affordable engineering solutions. To offer sustainable solutions that can replace single use disposable plastics with chemical free, environment friendly moulded fibre pulp products. Make India Plastic Free by 2030.





- ❁ **EPTL Group of Industries is a pioneer in manufacturing of Machine's for Agro Fiber Molding Industry in India. We are into the Industry Fighting Strongly Against Single use Plastic Since the Last to Decades**
- ❁ **EPTL is one of the largest manufacturer & supplier of Agro Fiber Molding machinery.**
- ❁ **EPTL is focused on research & development. research done by Ecosure shows that the latest technology proposed by EPTL not only enables Agro Fiber Molding Industry to increase its Pulp quality but also reduces substantial power consumption by machines which is a crucial point in the Molding industry.**
- ❁ **EPTL manufactures various products which can be used for a number of operations in stock preparation. EPTL has global consultancy services, which support organizations in setting up Agro Fiber Molding Industry and also help existing manufacturing facilities in achieving higher goals. EPTL has international based in Thailand and Australia.**

Taiwan Happiness Moon as a South Asia partner.

2012



2016

Incorporation of an Indo-china Joint Venture by the Name of BeSure technology India Pvt. Ltd.

Incorporation of Ecosure Pulpmolding Technologies Ltd.

2019



2020

Established the infrastructure to manufacturing Pulpmolding Machine & molds at Greater Noida.

Incorporation of Pulptech India pvt. ltd.

2021



2022

EPTL has Sold 200+ Made In India Machine Including 25++ Project So Far

Incorporation of GlobTech India pvt. ltd. For Fiber Pulp Making Mill.

2023



INSPIRING MILESTONES

- **Achieving new milestones and competing with ourselves to grow each day**
- **2+ Decades of Experience**
- **India's 1st & Largest Solution Provider of Agro Fiber Molding Production Line (100% Made In India)**
- **36+ Agro Fiber Molding Production Line install (One and Only Company Who Installed 36+ Projects in India Single Handed)**
- **350+ Agro Fiber Molding Machines Supply Across World (100% Made In India) (One and Only Company Who Installed 350+ Machines in India Single Handed)**
- **3+ Manufacturing Facilities in India (Greater Noida, Indore, and Ahmadabad)**
- **3+ Countries Served Our Agro Fiber Molding Technology**

WHY AGRO FIBER PULP?

- **Renewable and Natural Resources made from agro waste material.**
- **100% Biodegradable and compost able.**
- **Microwave safe.**
- **Freezer Friendly.**
- **Water and Oil Resistance.**
- **Hygiene and food Grade.**
- **Heat resistance and steady to hold.**
- **Recyclable.**
- **No Plastic Coating.**

ECOSURE AGRO FIBER MOLDING PRODUCTS SOLUTION

EPTL Offers Fully Automatic Stock Preparation Equipment's (Pulping System for Agro Fiber Molding Production Line), Fully Automatic Agro Fiber Molded Machine, Semi-Automatic Agro Fiber Molded Machine, Production Molds and Product Edge Trimming Machine. EPTL Provides Turnkey Solution in Setting-up Agro Fiber Molding Production Line with Engineering Services & Specific Design to Meet Customer Need. EPTL Offer Stock Preparation Equipment's like Low Consistency Pulper, Tri Disc Refiner (TDR), Deflaker, Agitator, Low Consistency (LC) Cleaner and many more are the most Preferred Products over the other Brands and is being used Widely by Molded Agro Fiber Production Plants based in India. Cutting Edge Refining Technology of EPTL improve the Bonding Ability of Fibers that eventually Increases the Strength, Quality and Finishing of the Final Product.

USED FOR

Tableware • Food Packaging • Medical packing • Industrial Packaging



WHY CHOOSE ECOSURE?

- First and largest pulp molding machine manufacturer.
- 100% make in India solution.
- 36+ successfully projects installed.
- 8+ under installation & upcoming projects.
- In-house lab for pulp and mould testing facilities.
- R&D center for more innovation.
- Drawing and designing in-house facility.
- Demo plant for customer.
- Training center to develop new operators.
- 24x7 days after sales services support.
- AMC & extended warranty support.
- Ecosure semiautomatic machine ECOSA10095 can be modified to adjust existing mold of any other make of Indian & Chinese Machine.

Agro Fiber Molding Production Line



Ecosure Fully Automatic Stock Preparation System



ECOSURE
PULP MOLDING

Low consistency Pulper

Ecosure Low Consistency Pulper rapidly submerges fiber pulp bales/bundles/sheets/broke which results in reduction on in the slushing time, enhanced efficiency of the pulper and power saving.



Application & Features

- D' type design of pulper reduces the sloshing Time.
- Batch operation.
- Operating consistency 4-5%.

TECHNICAL SPECIFICATION

Model	LDP-01	LDP-02	LDP-03	LDP-05	LDP-06
Capacity(m3)	1	2	3	5	6
TPD	1.2-1.5	3	4-5	6-8	10
Power(Kw)	22	30	37	55	75

Tri Disc Refiner (TDR)

EPTL TDR is Improving the Slurry Beating Degree Further to Produce Fine Pulp For Agro Fiber Molding Production Line. The Abrasion Section Contains Two Stationary Serrated Discs on Either Side of a Rotating Disc. Sturdy, Latest Mechanism, Compact, and Most Important the Refiner Plates bar Designs to Specific Application in Fiber Molding Industry. TDR is the Result of concentrate Precision Making this Machine exclusive in the Agro Fiber Molding Production Line.



Pulp Pump / Water Pump

Ecosure Pumps industrial slurry pumps are built for an extensive range of applications including the transfer of Slurry/Water and Backwater generated by Our Production Line. Our non-clog pumps are designed to move slurry, sand, and other materials efficiently and are capable of Making Suitable Pulp For Our Product's. We offer a wide range of models including 3-inch, 4-inch, 6-inch, and 8-inch sizes.



Vacuum Pump

Our vacuum pump's main function is to change the pressure in a contained space to create a full or partial vacuum mechanically. Pressure will always try to equalize across connected regions as gas molecules flow from high to low to fill the entire area of that volume. Therefore, if a new low-pressure space is introduced, gas will naturally flow from the high-pressure area to the new area of low-pressure until they are of equal pressure. Notice this vacuum process is created not by "sucking" gases but by pushing molecules. Vacuum pumps essentially move gas molecules from one region to the next to create a vacuum by changing high and low-pressure states.



Chemical Dosing Tank With Pump

Our dosing pump sucks a predetermined amount of liquid(OGR, AKD) into the pulp chamber and adds the liquid to a process. The pump is driven by an electric motor or an air actuator and has a controller that turns the pump on and off and manages the flow.



Low Consistency Cleaner

Based on decades of experience in pulp molding machine production and pulp stock preparation, Voith developed its LC Cleaner product line. Our customers profit from proven Voith quality in stock preparation and simultaneously lower costs of raw materials. Our LC cleaner products are perfectly matched to each other. Take advantage of our technologies for outstanding pulp Product quality. Low consistency (LC) cleaners are used to remove small contaminants From Pulp Slurry Duing Production process .



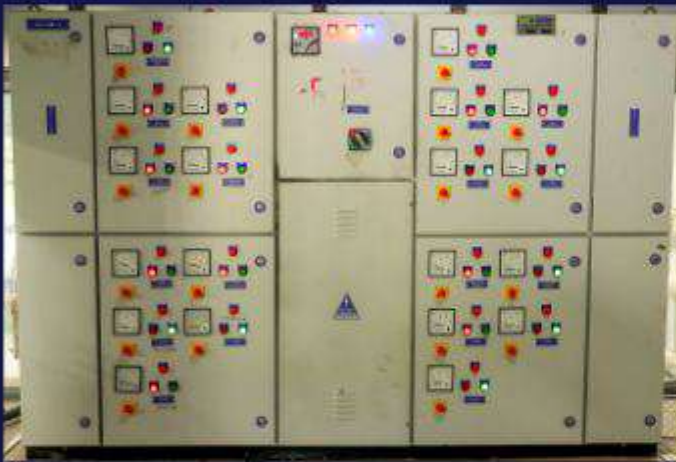
Thermic Fluid Heater (TFH)

A thermic fluid heater is industrial heating equipment, used where only heat transfers are desired instead of pressure. In this equipment, a thermic fluid is circulated in the entire system for heat transfers to the desired processes. TFH is use for drying our pulp molding final products.



Electrical Panel / Distribution MCCB Panel / Automation Panel

Our all panel is specially designed for pulp molding production line. our panel can control all equipment on/off automation with minimum manpower interference.



Semi-Automatic Pulp Molding Machine



Particular	UOM	ECOSA- 10095	ECOSA- 7565
Parameters (Model No.)		ECOSA-10095	ECOSA-7565
Pulp Molding Capacity	kg/Day	500	300
Mold Platten Length	mm	1000	750
Mold Platten Depth	mm	950	650
Mold Platten Area	mm ²	950000	487500
Operation Type		Manual	Manual
Method of Forming		Grouting / Dipforming	Grouting / Dipforming
Method of Hot Pressing & Drying		Hydropneumatic Cylinder	Hydropneumatic Cylinder
Hydraulic Pressing Force	Ton	40	30
Min Shut Height	mm	250	250
Product Depth	mm	< 85	<90
Product Thickness	mm	< 2.5	<2.5
Compressed Dry Air Requirement	Bar/CFM	6/35	6/25
Vacuum Requirements	m ³ /min/mm Hg	10/500-ve	5/500-ve
Heating Method-1		Electricity	Electricity
Electric Heating Load	KW	120	60
Heating Method-2		TFH	Thermic Oil
Oil heating Load	KW	0.3	0.3
Heating Requirements	Kcal/hr	100000	55000
Mold Oil Inlet Temperature	°C	240±10	240±10
Machine Size-Lx WxH	mm	3900 x 1865 x 3400	3200 x 1470 x 3400
Machine Weight	kg	8000-Apprpx	6000-Approx
Control Cabinet		Control cabinet consist of PLC, HMI, PID	Control cabinet consist of PLC, HMI, PID
Material of Construction		MS with ss-304 cladding	MS with SS-304 Cladding

Automatic Pulp Molding Machine

TRIMMING FREE



Particular	UOM	ECOFA - 9570	ECOFA - 12085
Parameters (Model No.)		ECOFA-9570	ECOFA-12085
Pulp Molding Capacity	kg/Day	350	450
Mold Platten Length	mm	950	1200
Mold Platten Depth	mm	700	850
Mold Platten Area	mm ²	332500	1020000
Operation Type		Fully-Automatic	Fully-Automatic
Method of Forming		Dip Forming	Dip Forming
Method of Hot Pressing & Drying		Servo Operated	Servo Operated
Cycle Time Including Trimming	Sec.	35	35
Overflow Level		Automatic	Automatic
Product Depth	mm	< 85	< 50
Product Thickness	mm	< 2	< 1
Compressed Dry Air Requirement	Bar/CFM	6/25	6/40
Vacuum Requirements	m ³ /min/mm Hg	10/600-ve	15/600-ve
Heating Method-1		Electricity	Electricity
Electric Heating Load	KW	88.5	128.5
Heating Method-2		TFH	Thermic Oil
Oil heating Load	KW	8.5	10
Heating Requirements	Kcal/Hr	75000	125000
Mold Oil Inlet Temperature	°C	240±10	240±10
Machine Size-Lx WxH	mm	7480 x 2400 x 3210	
Machine Weight	kg	10000-Apprx	12000-Apprx
Control Cabinet		Control cabinet consist of PLC, HMI, PID	Control cabinet consist of PLC, HMI, PID
Material of Construction		M.S with ss-304 cladding	MS with SS-304 Cladding

Semi-Automatic Trimming Machine



edge Trimming Machines

Particular	UOM	Specifications	
		ECOETM-5050-8T-HPN	ECOETM-5050-8T-HPN
Model No.		ECOETM-5050-8T-HPN	ECOETM-5050-8T-HPN
Machine Types		Down Stroke	Up Stroke
Frame Type	NOS	4-Pillar Type	4-Pillar Type
Pressing Capacity	TON	8	8
Working Table	mm	500x500	500x500
Operational Mode		Semi Automatic	Semi Automatic
Control System		PLC cum HMI	PLC cum HMI
Pressing Force	BAR	6	6
	cfm	12	12
Connected Load	KW	0.3	0.3
Cylinder Type		Hydropneumatic	Hydropneumatic

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TABLEWARE

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Bagazo
Ecocare
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 **DEVA PAK**
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GROUP

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made out of sugarcane bagasse

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Green Products

 **ecoveet**

 **ECO SPOON**
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FTF CAN/DIA FIBER MOLD PACKAGING (THAILAND) Co., Ltd.

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KWP

CREO
greens pvt ltd

greenwings
ECOPACK PVT.LTD.


Digvijay Industries

MANGO
BIODEGRADABLES LLP

Till Now 36++ Project Installed, included 350++ Made In India Machine

MANUFACTURING UNIT

**Greater Noida
Ahmedabad
Indore**

“

a sustainable world means working together to create prosperity for all.

”



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PULPMOLDING

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