



PARASON



COMPLETE TURNKEY SOLUTION

MOLDED FIBER PRODUCTS

3 TPD TO 100+ TPD



Ban on Single-Use Plastic in India

Introducing a change in India's approach to Single-use Plastics. Commencing from July 1, 2022, India implemented a comprehensive ban on specific 19 single-use plastic items.

- Prohibition on manufacturing, distribution, stocking, sale, and use of 19 selected single-use plastic items in India.
- Targeted items include cutlery, straws, sticks, and thermocol (solely for decorative purposes).

Source: www.un.org

A Roadmap to Sustainability: UN Environment Program #BeatPlasticPollution

- The affordability, lightweight nature, and easy production of plastic contribute to its widespread usage.
- The increasing production of plastic is exacerbating the global waste crisis.
- There is an immediate necessity to reconsider both the manufacturing and usage of plastic.
- Governments, businesses, and individuals need to take prompt action for the betterment of the environment.



Plastic Global Stats

Ban on plastic was a crucial step to save the planet Earth. There have been several damages to the planet and the environment due to plastic. Take a look at the stats provided by UN to know the necessity of this ban. As per UN:

500 billion

plastic bags are used each year.

13 billion

tonnes of plastic leak into the ocean annually.

1 billion

plastic bottles are purchased every minute.

1 lac

marine animals are killed by plastics each year.

100 years for plastic to degrade in the environment.

50% of bottled water found to contain plastic particles

83%

of tap water found to contain plastic particles

50%

of consumer plastics are single use

10%

of all human-generated waste is plastic

INTRODUCTION

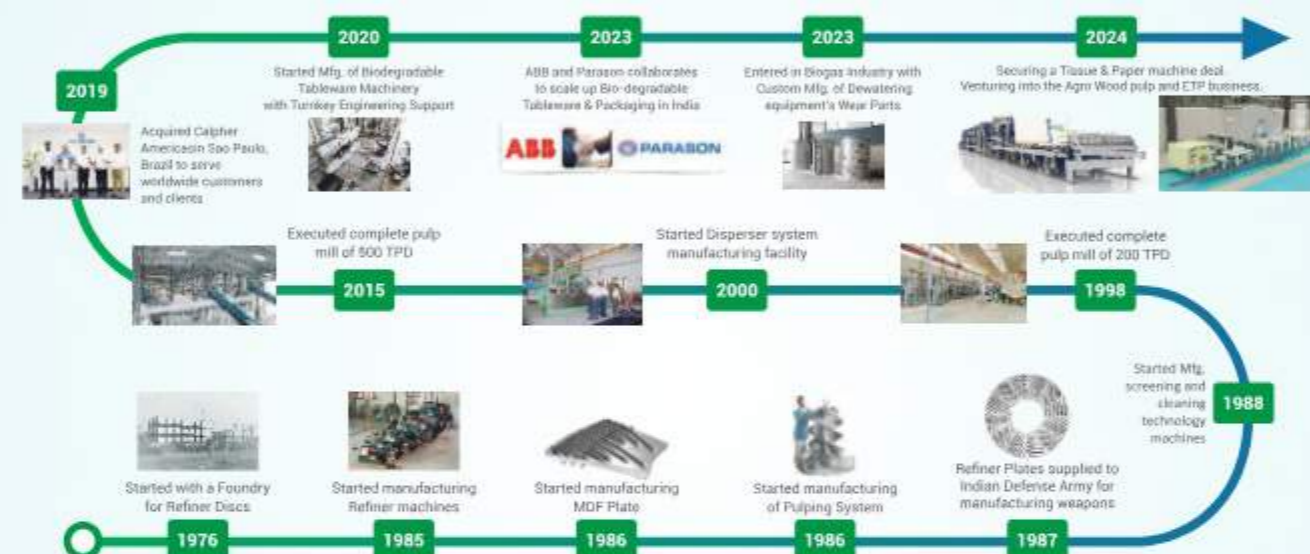
Dr. Desarda Group of Industries, a pioneer in Refiners and Refiner Plates/Fillings manufacturing in India, has been a key player in the Paper Industry for over four decades. Founded in 1977 by Dr. Champalal Desarda, a metallurgy doctorate holder specializing in High Chrome Steel Alloys from Brno University, Czechoslovakia, Parason has achieved numerous milestones in its 5 decades of journey.

Company Overview

Led by Dr. Desarda, Parason Group stands as a leading global supplier of pulp and paper machinery, providing turnkey solutions to paper mills in approximately 70 countries. Dr. Desarda, a renowned scientist and metallurgist, founded Parason's first research unit in 1977, propelling the company to significant achievements in paper mill machine manufacturing.

Parason's Research and Development department, equipped with cutting-edge technology, focuses on innovation, demonstrating advancements that enhance paper quality while reducing power consumption. The product range caters to various paper mills, including Kraft, Tissue, Writing Printing, Molded Fiber, and Hard Board Paper Mills.

Rewarding Journey so far



Parason is ISO 9001:2015 Certified for QMS.

OUR GLOBAL PRESENCE



Global Geographical Footprint of
MOLDED FIBER
Manufacturing

No	CLIENT NAME (DOMESTIC)	LOCATION
1	Greenko Pulp Products	Bihar
2	Surabhi	Delhi
	AA labels	
3	Bionova Solutions Pvt.Ltd	Gujarat
	Carma Bioproducts	
	Eximius Greenfield	
	Bagazo Ecocare LLP	
	Fomex	
	Ecolates	
	Kagathara Industries LLP (Goldleaf)	
	Khaneja Industries (Evaara)	
	Shizen Products	
	Kompopak	
	Grishiv	
	GreenFlix Bioware Essential	
4	Biodine Global LLP	Haryana

No	CLIENT NAME	LOCATION
5	Ecopack (Kuber Packaging)	Hyderabad
6	Mahidhra Green	Jammu
7	Biolutions	Karnataka
8	Greenvale Eco products Pvt. Ltd	Maharashtra
	Skyang Ecoproducts (Ecosense)	
9	Greenco Industries	MP
10	Satia Industries	Punjab
11	Eco-Healthware LLP	Rajasthan
	Caneware	
	Paavan Products	
	Unik Eco-tableware	
12	Natuserve	Tamil Nadu
13	Deveuro paper products	UP
	Yash Pakka	

No	CLIENT NAME (EXPORT)	LOCATION
1	Kibos Sugar & Allied Industries Limited	Kenya
2	Dart Container Corporation	USA
3	Growpack	Brazil
4	Pulpex	Uk

HEALTHY & SAFE

Molded Fiber is the Ideal Plastic Substitute:

- Compostable
- Microwave and freezer safe
- Oil and Water resistant
- Anti Leak and Snap fit lids
- Superior strength
- Can sustain temperatures from -20°c to +180 ° c



Agri residue and Tableware life cycle



Raw Material (Fiber Pulp)



Sugarcane Bagasse



Bamboo



Hardwood



Softwood



Wheat Straw

PARASON RESEARCH AND DEVELOPMENT LAB



Fiber Analyzer



Scanning Electron Microscope



Paper Testing



Microscopic Lab



Sand Testing



Spectro Lab



Wear Testing Machine



XRF Bruker-S1-Titan

PARASON'S MODERN WORLD-CLASS PROTOTYPING SETUP

To remain competitive and to meet manufacturing challenges, Parason has implemented proven manufacturing technologies and supporting softwares.

New technologies lead to innovative uses and improvements in manufacturing end products.



FASTEST PROTOTYPING

POC Mold development | Pulp/Product, trial & testing | Product certification assistance



NEW PRODUCT DEVELOPMENT



Food Serving

- Plates
- Bowl
- Clamshell
- Container
- Meal tray



Industrial Packaging

- Ceiling fan packaging
- Laptop carrier
- Modem carrier
- Faucet carrier
- Chocolate gift tray



Medical

- Aid
- Rapid test kit
- Vial tray
- Kidney tray



Cosmetics

- Compact tray
- Eyeliner palette
- Perfume carrier

PARASON AUTOMATIC FORMING MACHINE



Fully automatic high-end packaging technology for varied product applications. Integrated with automatic in-line product transfer system from forming station to hot press and then auto stacking through out feed conveyor.

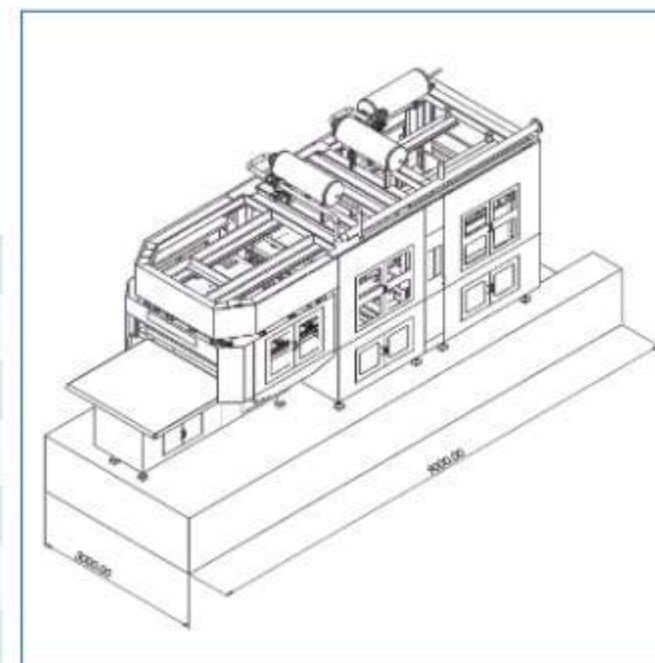
Features

- Best suitable for premium packaging products
- Reciprocating forming system
- Compatible for Tableware, Electronic, Cosmetic, IP
- Small footprint
- Trimming free product

Main specifications:

Platen size	1500x1500 mm
Capacity	700-850 Kg/day
Product compatibility	Tableware, Electronics, Cosmetics, IP
Product height	Upto 70 mm
Hot press	1 Station
Mold heating	Electric or Thermal oil
Control system	PLC and HMI

MODEL 1: PFA-S1500



PARASON AUTOMATIC FORMING MACHINE



Fully automatic high-end packaging technology for varied product applications. Integrated with automatic in-line product transfer system from forming station to hot press and then auto stacking through out feed conveyor.

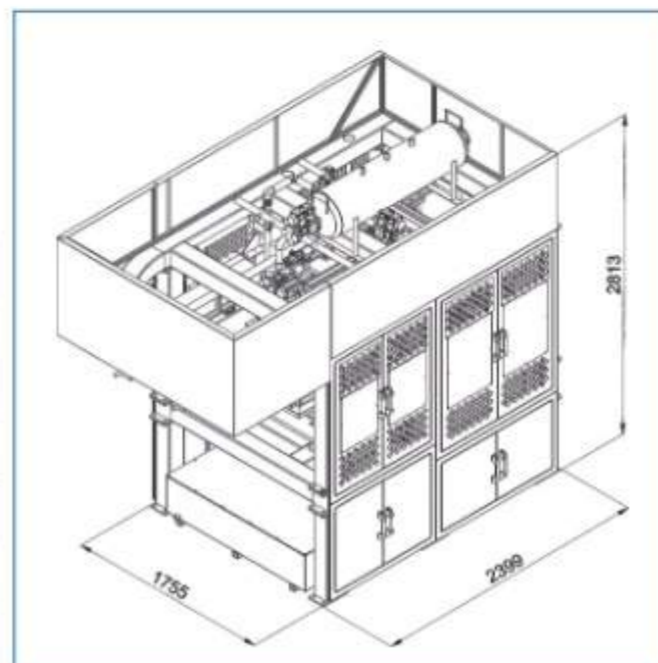
Features

- Best suitable for premium packaging products
- Reciprocating forming system
- Compatible for Tableware, Electronic, Cosmetic, IP
- Small footprint

Main specifications:

Platen size	1300x750mm
Capacity	350-500 Kg/day
Product compatibility	Tableware, Electronics, Cosmetics, IP
Product height	Upto 70 mm
Hot press	1 Station
Mold heating	Electric or Thermal oil
Control system	PLC and HMI

MODEL 1: PFA-S1300



PARASON AUTOMATIC FORMING MACHINE



Description

Highly efficient Tableware Production Line with dual hot press stations, auto product transfer system and collection & stacking table. Servo controlled mechanism for hot press product transfer.

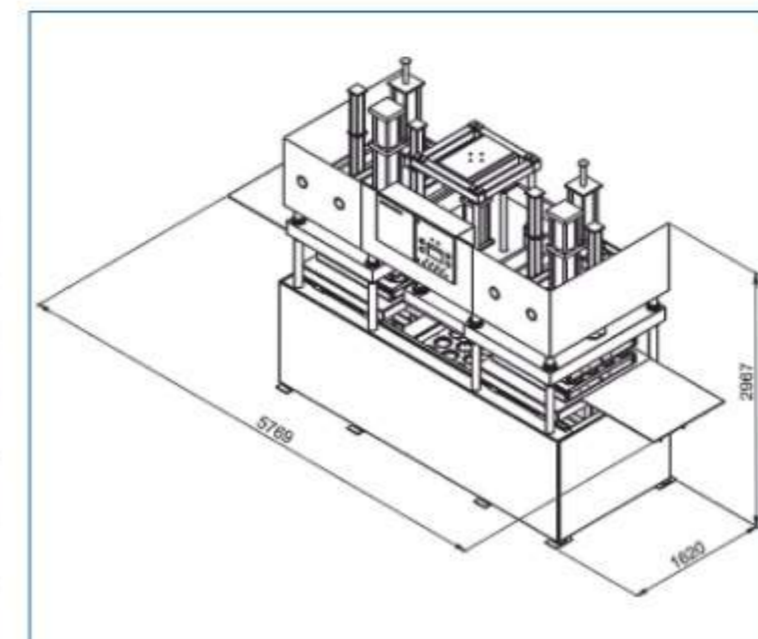
Features

- Reciprocating forming system
- Easy product handling
- Servo system
- Ready stacked products

Main specifications:

Platen size	1000x950mm
Capacity	350-500 Kg/day
Product compatibility	Tableware
Product height	Upto 70 mm
Hot press	2 Stations
Mold heating	Electric or Thermal oil
Control system	PLC and HMI

MODEL 2: PFA-D1000



PARASON ROBOTIC FORMING MACHINE



Watch us on YouTube

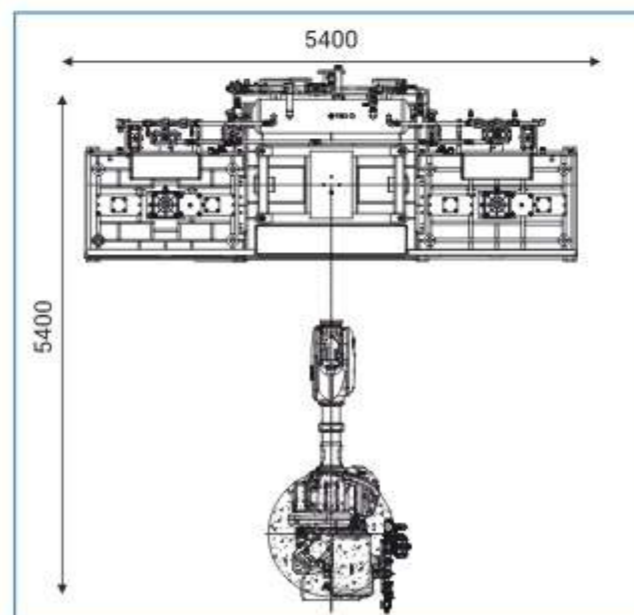
Description

Parason 6-Axis Robot system plays vital role in replacing the manual work of picking and placing the parts from the forming and hot press stations. Automated pick and place system helps achieve the production efficiency, reduced handling rejections and accuracy.

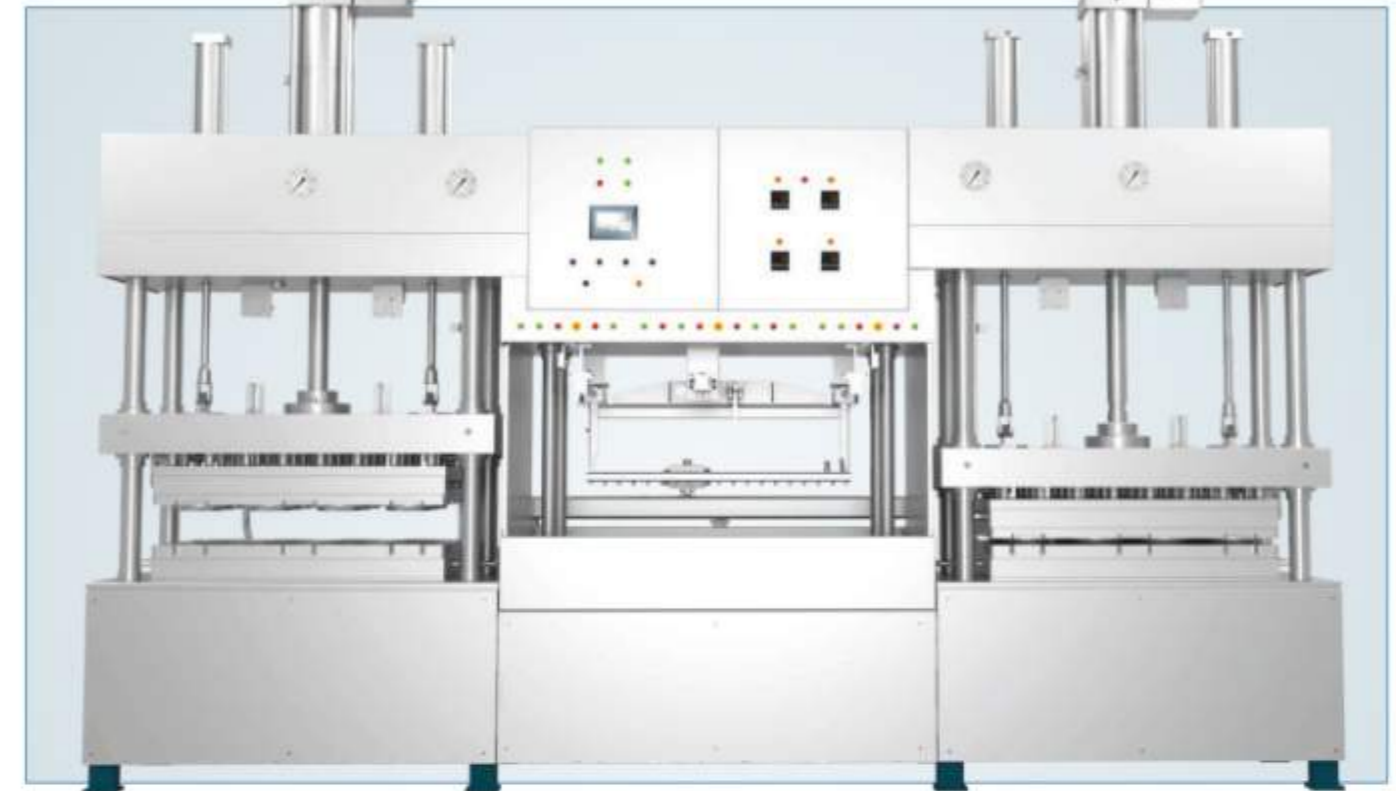
The robotic system is equipped with close loop feedback based control system to make it function enabling the arms to pick and place the parts reliably and precisely.

Application & Features

- Advanced reciprocating forming system
- High speed transfer with servo controlled mechanism
- Customizable end effectors to suit part's geometry
- Precise axis movement, part picking and placement
- Proximity sensors and limit switches for moving platens
- Safety interlocks and sensors for quick response to PLC system
- Safety fencing
- Robust and sturdy design



PARASON RECIPROCATING FORMING MACHINE



Description

Parason Reciprocating Forming machine is suitable for critical geometry products with lesser draft angles. Dipping type of formation system ensures proper deposit of pulp in forming cycle.

Features

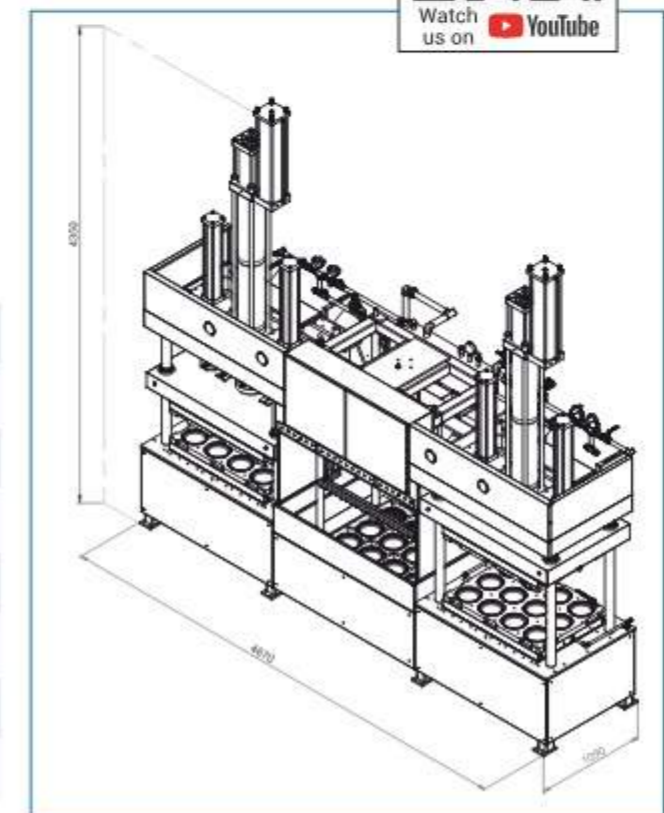
- Reciprocating (dipping) type forming system
- High pressure shower system for auto mesh cleaning
- Suitable for manual and robotic operation
- Insulation gaps in heating platens

Main specifications:

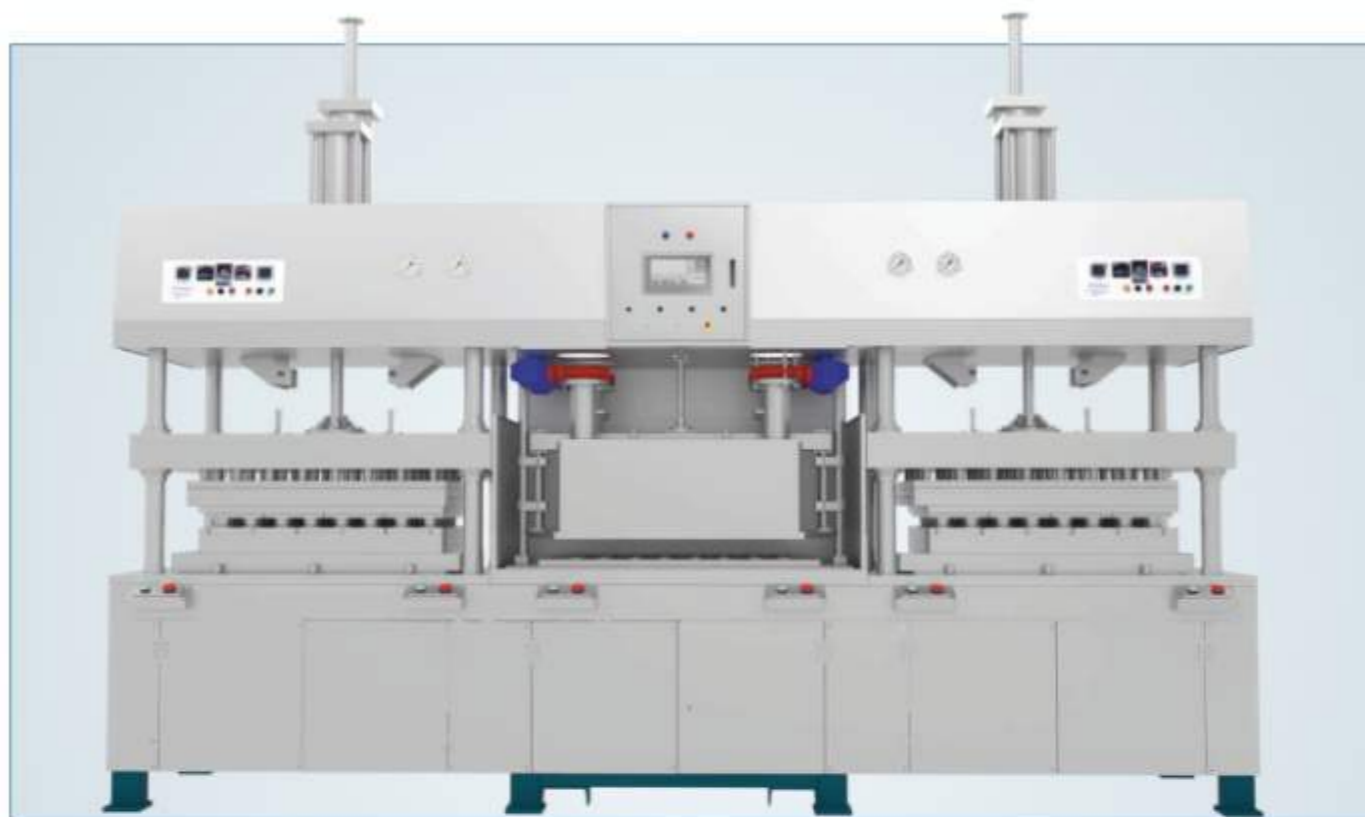
Capacity	500 kg/day
Forming	1 Station
Hot press	2 Stations
Platen size - Model 1	1100x800 mm
Platen size - Model 2	1000 x 950 mm
Mold heating modes	Electric / Thermal oil
Control system	PLC with HMI Screen
Product height	Max. 70 mm



Watch us on YouTube



PARASON SEMI-AUTOMATIC FORMING MACHINE



Description

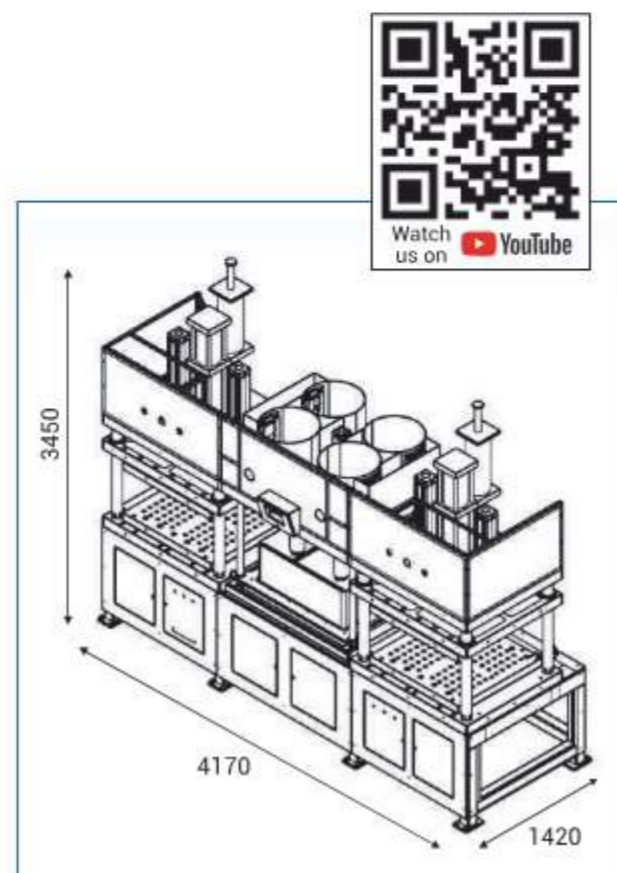
Parason Semi-automatic Forming machine is the most advanced and hybrid technological solution equipped with forming and in-mold drying stations with floating distribution type of pulp inlet system which ensures accurate pouring of pulp onto the mold. Benefits in uniform formation of products throughout the platen.

Features

- Suitable for manual and robotic operation
- Stationery pulp inlet system
- Platen locking mechanism
- No requirement of water inlet in machine

Main specifications:

Capacity	500 kg/day
Forming	1 Station
Hot press	2 Stations
Platen size - Model 1	1100x800 mm
Platen size - Model 2	1000 x 950 mm
Mold heating modes	Electric / Thermal oil
Control system	PLC with HMI Screen
Product height	Max. 70 mm



PARASON EDGE TRIMMING MACHINE



Description

Parason Edge Trimming machine gives the molded fiber products the fine edge finish with dimensional accuracy. Heavy duty machine is designed to suit wide range of tableware products and longer duration operation.

Features (Hydraulic)

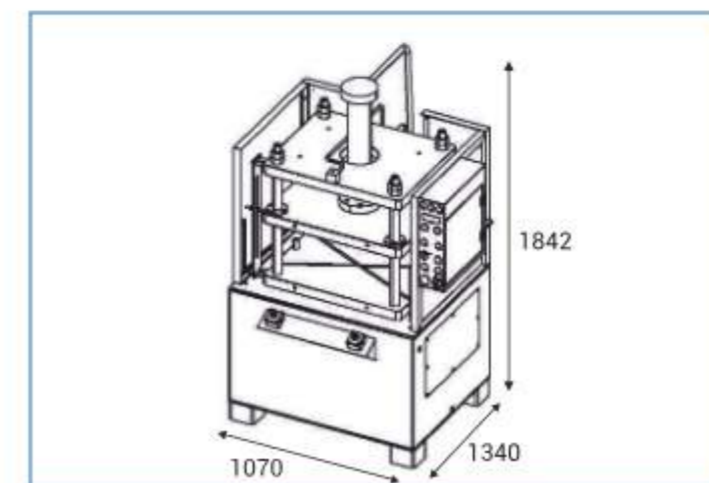
- Energy efficient motor
- Stand-alone application
- No requirement of compressed air
- Compact and sturdy design
- Sensors for stroke counting and height adjustment to suit product needs
- Safety light curtains for operator's safety

Features (Hydro-pneumatic)

- No motor load at machine
- High speed
- Compact and sturdy design
- Sensors for stroke counting and height adjustment to suit product needs
- Safety light curtains for operator's safety
- Lesser maintenance

Main specifications:

Models	Hydraulic /Hydropneumatic
Platen size	760 x 600 mm
Electrical load	3.7 kW (Hydraulic model)
Operation	Push button
Electrical panel	Side mounted
Covers	3 Sides protected
Product Height	Max. 100mm

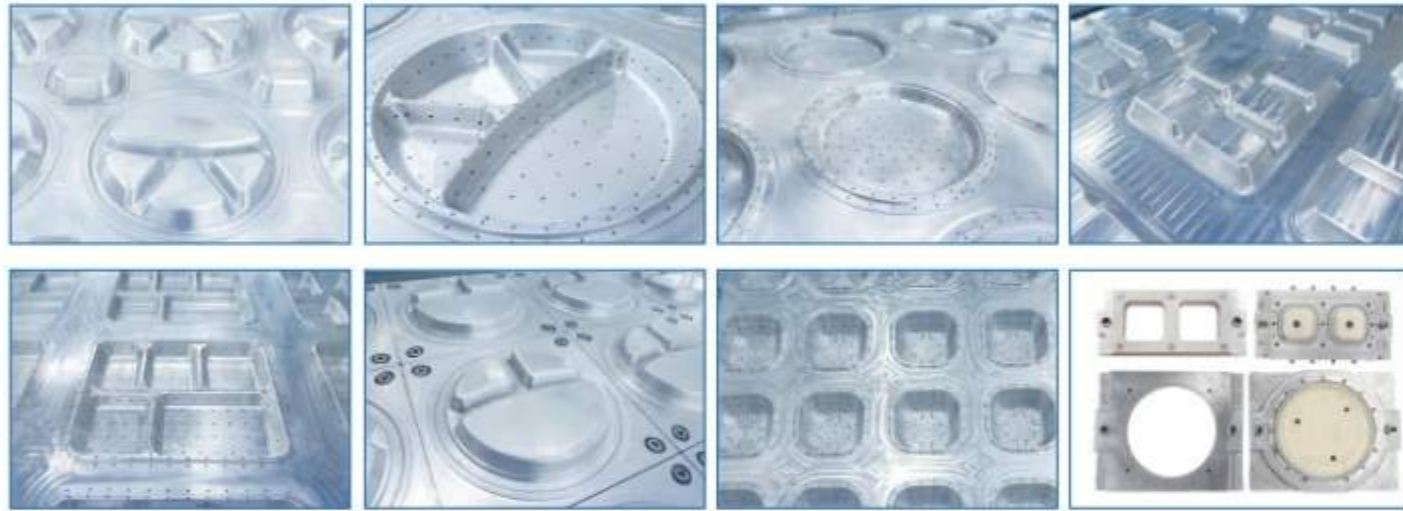


PRODUCTION MOLDS

CUSTOMIZED MOLDS AS PER YOUR REQUIREMENT

Features

- Ergonomic design
- Non-corrosive special grade alloy
- Non-sticky surface finish
- Cutting-edge product geometry keeps trimming waste minimum
- Robust support underneath structure to provide strength
- Option for detachable branding attachment
- Precise machining and weight distribution
- Mold customization & fast delivery

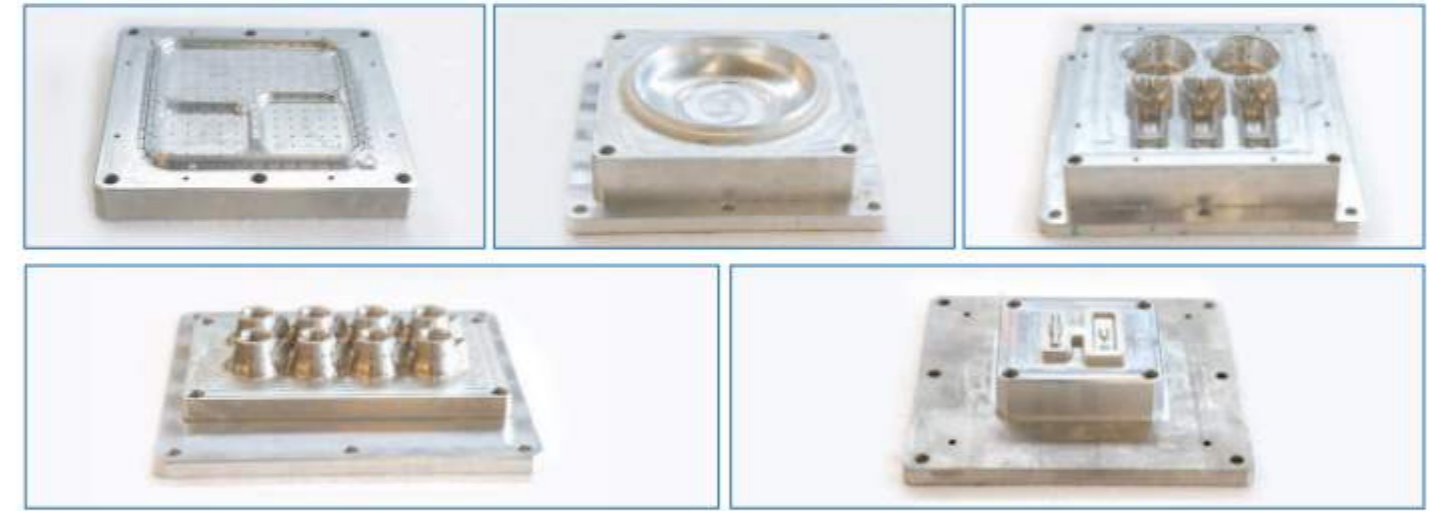


NEW PRODUCT DEVELOPMENT

ENSURING PRECISION AND CLIENT SATISFACTION

Features

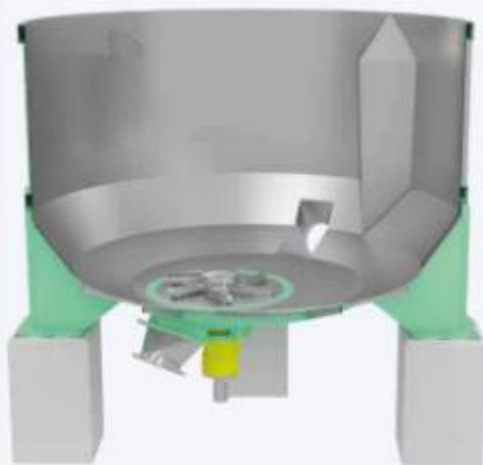
- Consultation: Understand client needs.
- Design: Craft custom mold.
- Prototype: Produce the initial batch.
- Feedback: Gather client input.
- Refinement: Iteratively adjust the mold.
- Testing: Ensure quality.
- Approval: Client satisfaction.



25+ VMC machines solely for mold manufacturing



PARASON STOCK PREPARATION EQUIPMENT



LOW CONSISTENCY OFFSET PULPER

Parason newly developed Offset Pulper is designed with a combination of double-coned bottom and baffle, where the baffle guides the pulp towards the rotor for achieving efficient and extensive slushing.

Application & Features

- Offset slushing process for uniform pulping
- Improved throughput
- Double cone bottom provides excellent slushing
- Low maintenance cost
- Power optimization



CONICAL REFINER

Fiber treatment plays vital role in end product quality. Refining is the backbone in the stock preparation stage as well as molded fiber production. PARASON CONFINER is designed to enhance the bonding ability of fibres with minimum decrease of fibre length, low energy consumption and easy maintenance.

Application & Features

- Different patterns available in conical type
- Suitable for agro pulp, hardwood, softwood & other
- Confiner tackles manufactured in Alloy Steel with excellent workmanship & high precision
- Low-intensity refining, uniform refining, best fiber development at lower power consumption



CONICAL DEFLAKER

Broke & QC reject requires deflaking to break the fiber flakes. Conical Deflakers increases the slushing quality of broke material.

Application & Features

- More output due to more deflaking area
- Power consumption is less as compared to other type of deflakers
- Better quality of pulp is generated
- Efficient in breaking flakes in the pulp



LOW-CONSISTENCY CLEANER (Automatic Junk Trap)

Pulp stock at 0.5 to 1.0% consistency is fed through inlet pipe header to the cleaners. The stock enters the tangential inlet which accelerates the stock to downward centrifugal motion. Contaminants like dirt, shives, and specks with high specific gravity are forced to outer wall of cone and downward to collect in automatic junk trap.

Application & Features

- Efficient removal of impurities like dirt, shives, specks, and light particles
- Fabricated from SS-304 material.
- Improved optical cleanliness of tableware products due to removal of specks, shives, & dirt
- Proven design for approach flow location

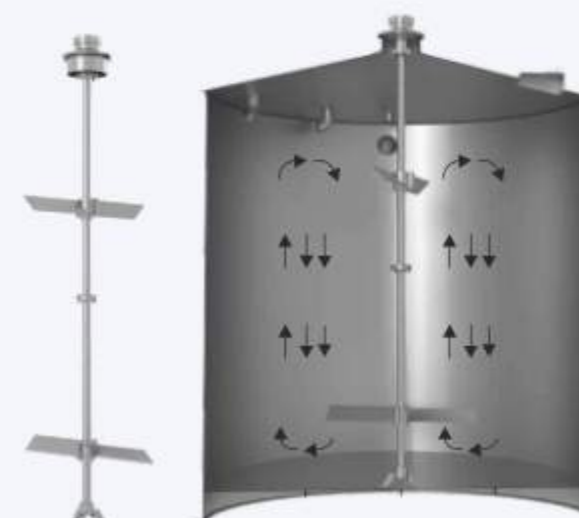


TRAPMAGNI

The equipment is durably constructed with stainless steel and features a large permanent magnet for improved removal efficiency. It uses one magnet for 6" and two magnets for 8" and 12". The well-shaped body isolates non-magnetic tramps via gravity. Cleaning is easy with a door, tramp drain, and a tray over the concealed magnet. Automatic arrangements ensure excellent results.

Application & Features

- Body of SS-304
- No moving parts
- No flush water
- No energy consumption
- Maintenance free
- Easy installation
- Upto 6 bar operating pressure




VERTICAL AGITATOR

Application

- Vertical agitator shaft and vanes of SS-304
- Uniform mixing of pulp stock in tanks with less power consumption

PRODUCT LIST

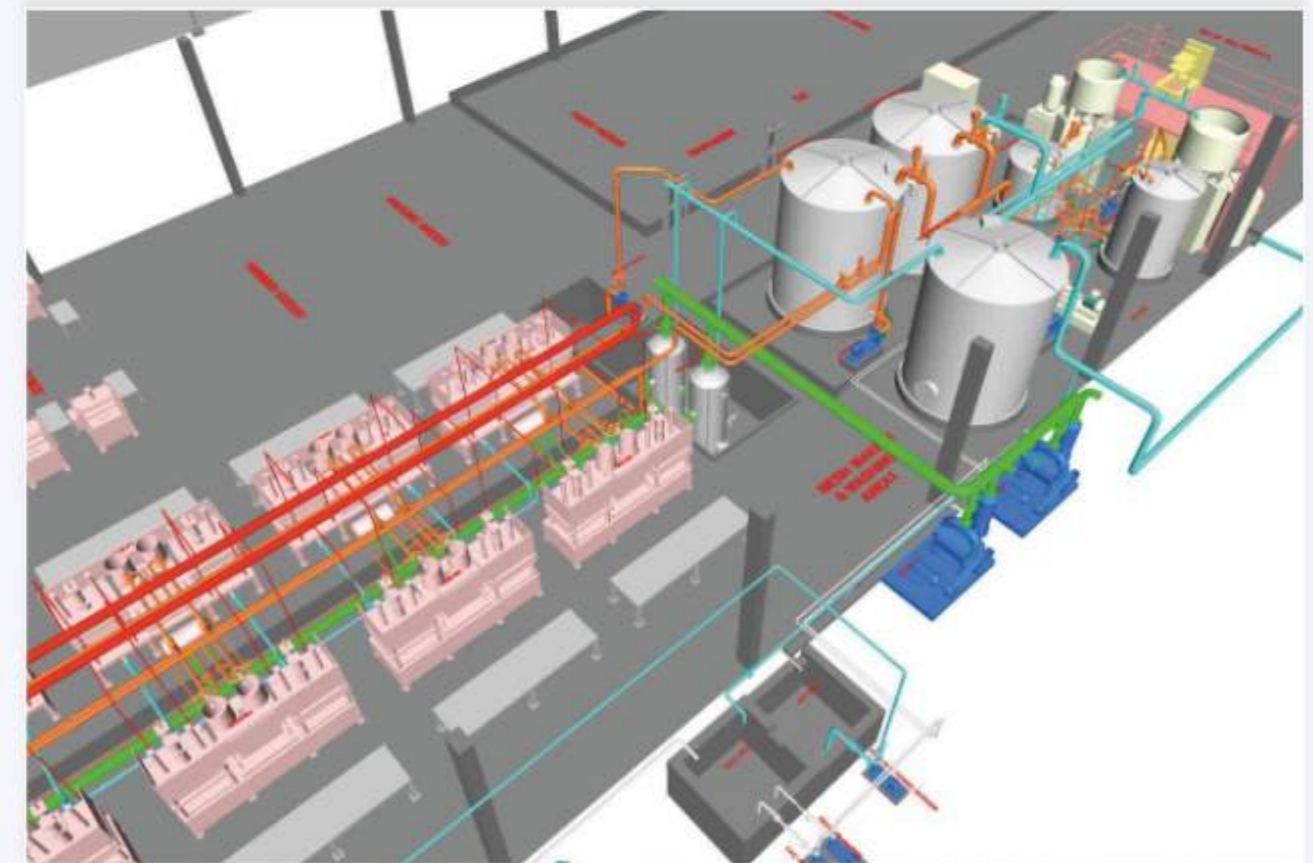
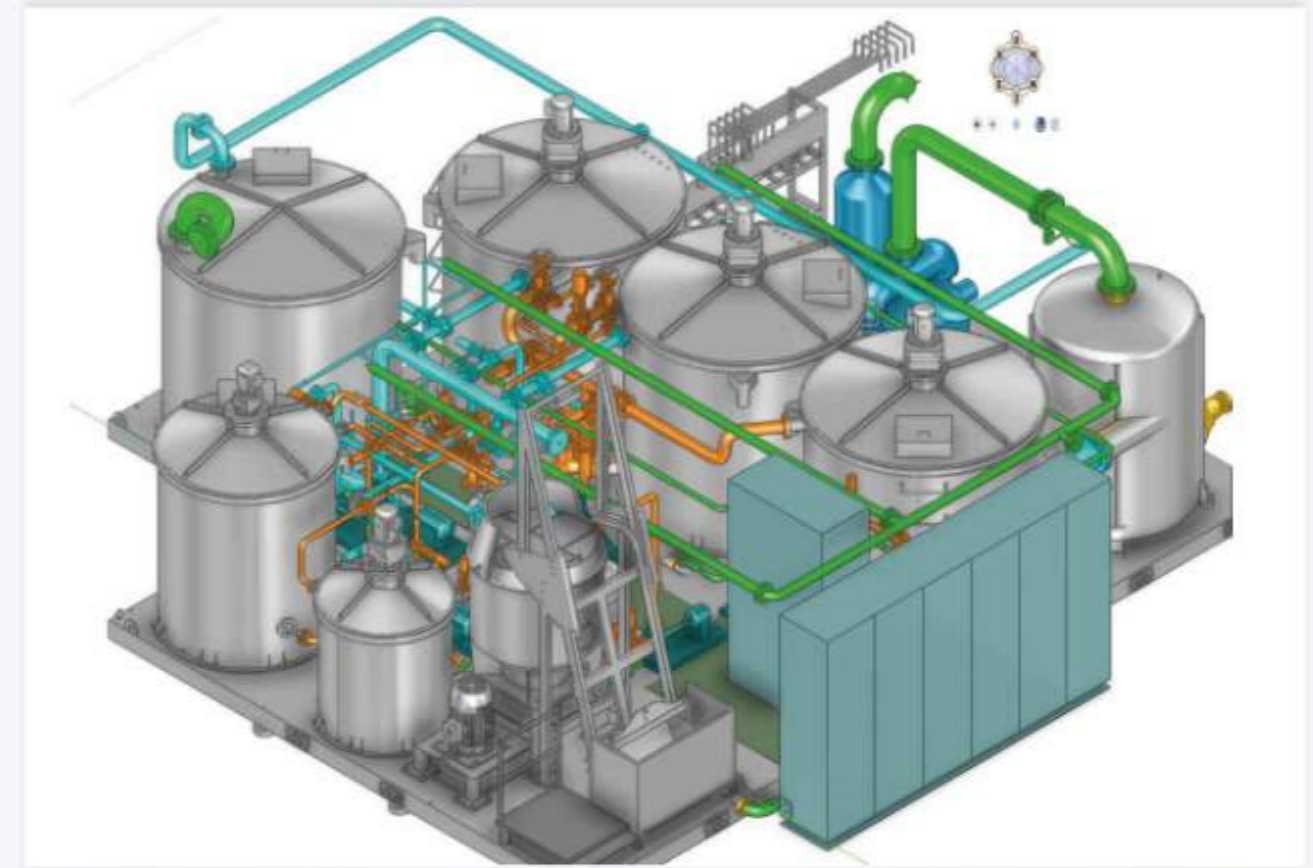
SR. NO.	PRODUCT	SIZE	WEIGHT (GM)	REFERENCE PHOTO
1	Round plate 12" 4CP	302x25	28	
2	Round plate 12" Plain	302x20	26	
3	Round plate 11" 4CP	279x27	25	
4	Round plate 11" Plain	279x24	23	
5	Round plate 10" 3CP	254x20	19	
6	Round plate 10" Plain	254x22	18	
7	Round plate 9" 3CP	229x20	15	
8	Round plate 9" Plain	229x20	15	
9	Round plate 7" Plain	177x23	8.6	
10	Round plate 6" Plain	152x17	7	
11	Square plate 6"	152x152x23	6.5	
12	Meal tray 5CP	300x248x30	35	
13	Meal tray 4CP	300x248x30	34	
14	Meal tray 3CP	223x202x27	15	
15	Square Dona 4"	105x105x29	5	
16	Bowl (Dip) 50 ml	63x15	2	
17	Bowl 120 ml	90x32	3.3	
18	Bowl 180 ml	107x40	5	
19	Bowl 240 ml	120x44	6.2	
20	Bowl 360 ml	151x41	8.5	
21	Clamshell 6" square	152x152x45	20	
22	Clamshell 8" square plain	203x203x45	40	
23	Clamshell 8" square 3CP	203x203x45	42	
24	Cup 220 ml	90x77	6.5	
25	Container 500 ml	240x125x30	24	
26	Container 750 ml	238x150x45	27	
27	Container 1000 ml	245x150x50	29	

Note: Parameters are subject to detailed design & engineering.



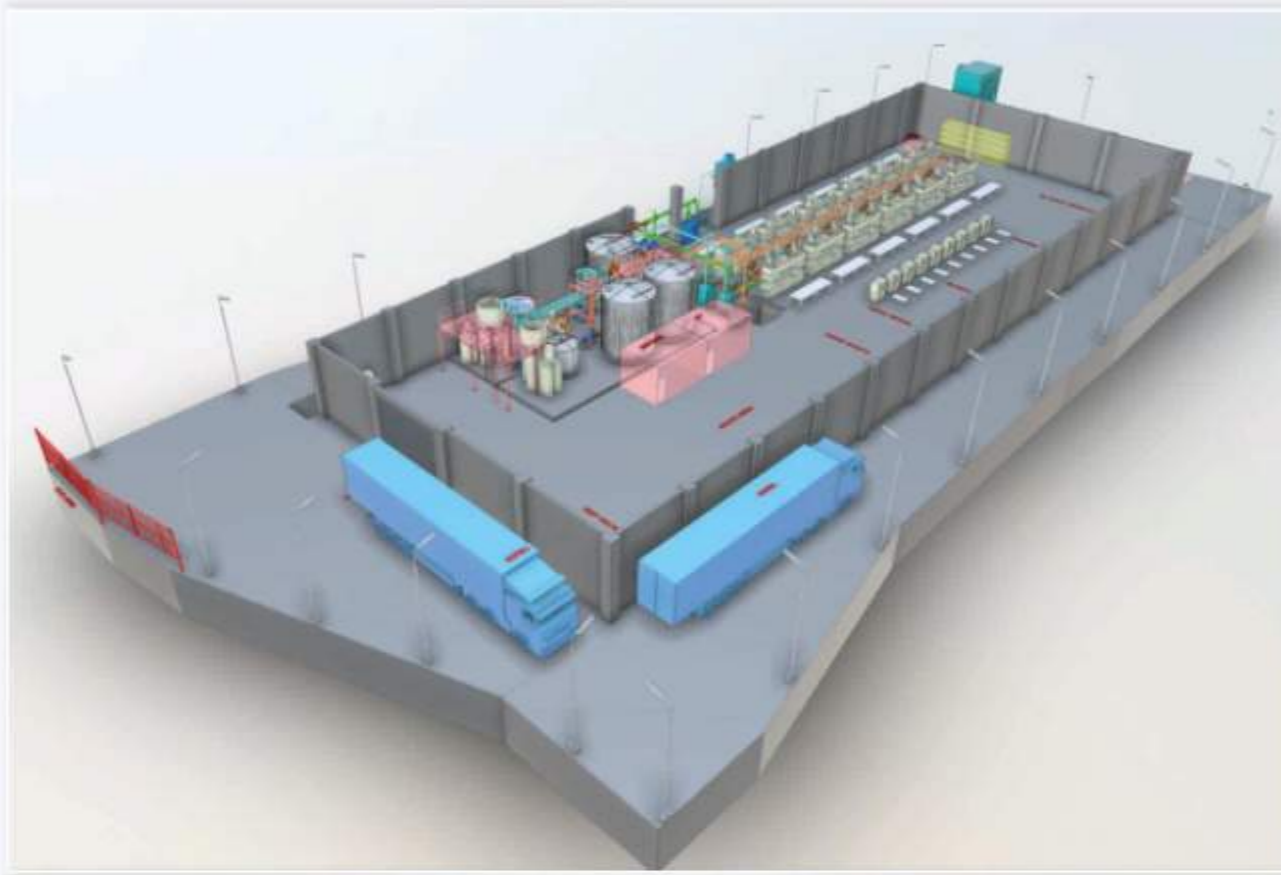
COMPLETE END TO END ENGINEERING

"Empowering Innovation: From Concept to Reality"



COMPLETE END TO END ENGINEERING

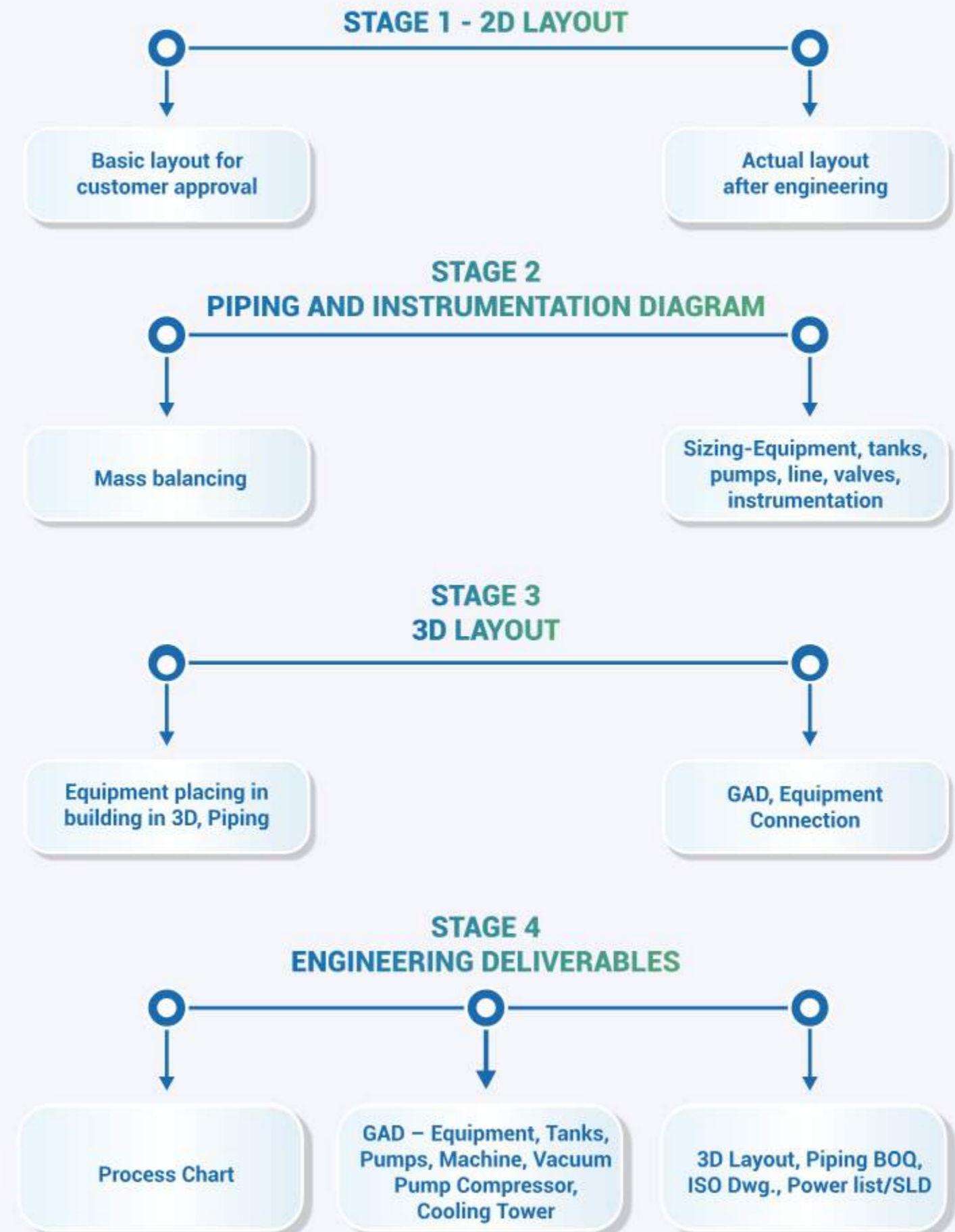
Molded Fiber Manufacturing Setup with
Complete Engineering and Turnkey Solution

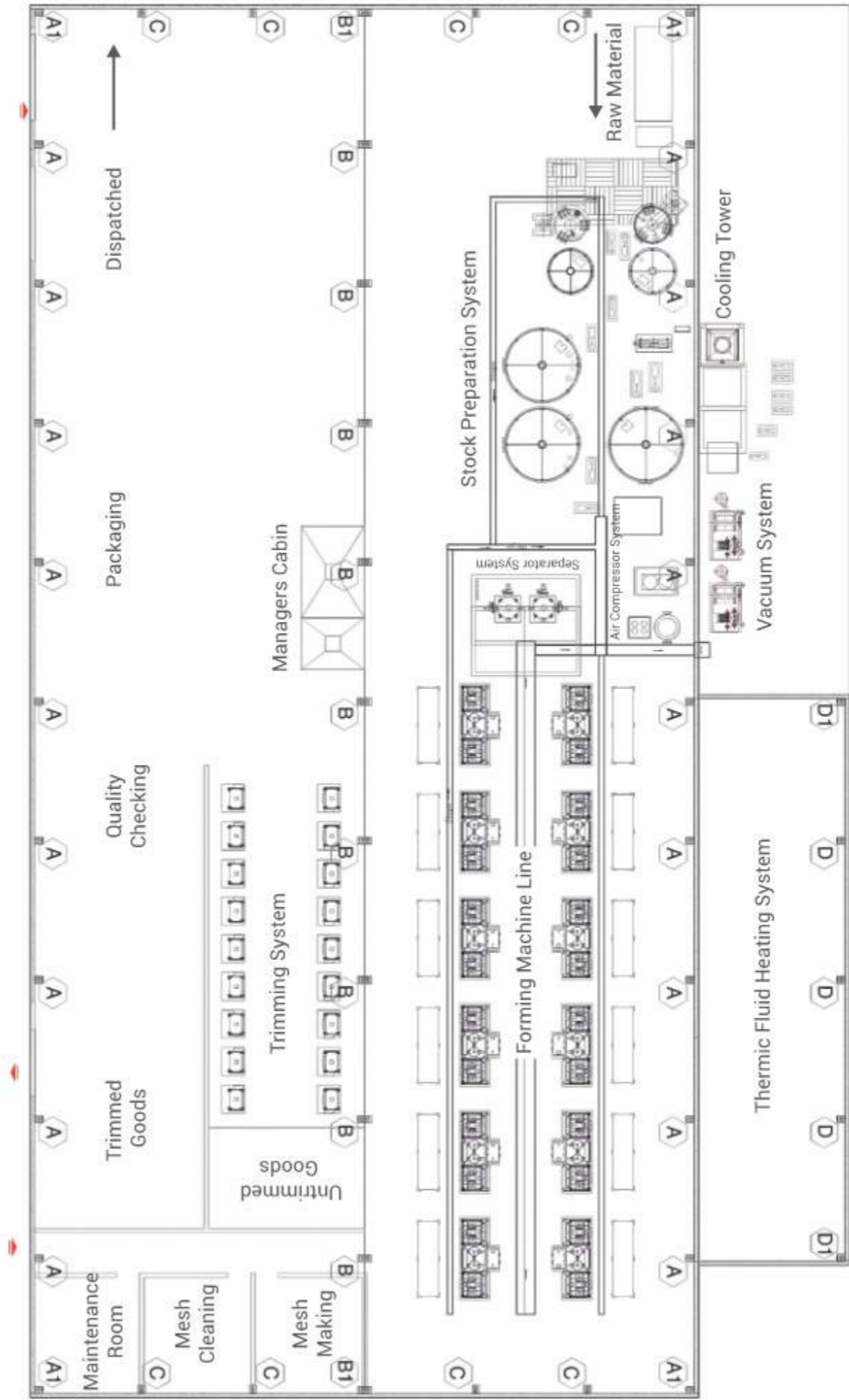


6TPD Molded Fiber Plant Layout



ENGINEERING SERVICES - START TO END DELIVERABLES





1. Raw material	2. Pulping Station	3. Forming Station	4. Trimming Station	5. Mold Station	6. Mesh Making	7. Maintenance
8. QC & Packaging	9. Finished goods	10. Thermic Fluid Heater	11. Mesh Cleaning	12. Cooling tower	13. Air Compressor System	14. Vacuum System



- PLC/SCADA system for complete automation
- Deflaker line for trimming & QC rejects
- Instrumentation for line operation
- 3D layout and ISO detailing

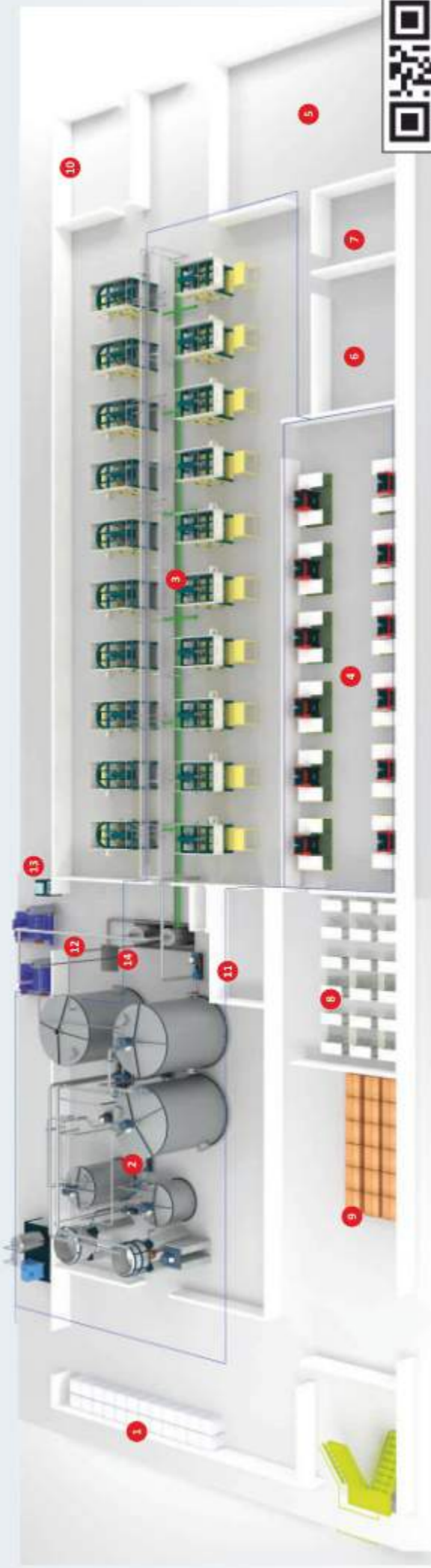


PARASON

Complete Turn-Key Automated Plant

Molded Fiber Product Solution | Automatic 10 TPD Project Design

1. Raw material	2. Pulping Station	3. Forming Station	4. Trimming Station	5. Mold Station	6. Mesh Making	7. Maintenance
8. QC & Packaging	9. Finished goods	10. Thermic Fluid Heater	11. Mesh Cleaning	12. Cooling tower	13. Air Compressor System	14. Vacuum System



Watch us on YouTube

- PLC/SCADA system for complete automation
- Instrumentation for line operation
- Optical type consistency transmitter and controller
- Automated junk traps in centrifugers for fine sand removal
- Deflaker line for trimming & QC rejects
- 3D layout and ISO detailing

TRANSFORMING VISION INTO REALITY



TRANSFORMING VISION INTO REALITY



TRANSFORMING VISION INTO REALITY



MANUFACTURING FACILITY



Dedicated Plant



Test Bed
Pulping System



Test Bed
Robotic Forming Machine



Machine Assembly line



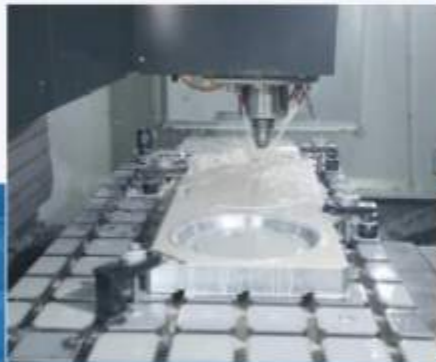
Machine Assembly line



CNC Machine for Molds



Mold Raw Material



Mold Machining



Quality Control

Complete in-house manufacturing facility for
MOLDED FIBER MACHINES & MOLDS

Thank you
Eximius Greenfield Pvt. Ltd.
for appreciation!



EXIMIUS GREENFIELD PVT. LTD.

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Date: 09-01-2024

TO WHOM SO EVER IT MAY CONCERN

Recognizing Parason Machinery India Pvt Ltd's Outstanding Contribution to the Eximius Greenfield Project

We are pleased to extend our sincere appreciation to Parason Machinery India Pvt Ltd for their exceptional performance and invaluable contribution to the successful execution of the Molded fiber Turnkey Project at Eximius Greenfield India Pvt Ltd. Your team's unwavering dedication and innovative solutions have significantly exceeded our expectations.

The completion of the Fully Automatic Project encompassing a 10 TPD Automatic Stock Preparation System and 10 TPD Robotic Tableware Production Line, along with the integration of 20 Robotic Forming Machine, marks a remarkable achievement. Your meticulous planning, seamless incorporation of cutting-edge technology, and meticulous attention to detail have resulted in a state-of-the-art facility that seamlessly aligns with our vision and objectives.

We commend Parason Machinery for the comprehensive approach, including the integration of essential auxiliary components such as vacuum pumps, compressors, cooling towers, and MCC panels. The addition of an automated operation control system, complete with SCADA, has significantly enhanced the efficiency and precision of our production processes.

The engineering services provided throughout the project lifecycle have demonstrated an exceptional understanding of our specific requirements and industry standards. The integration of 6-axis robotics is a testament to your commitment to embracing innovation to drive success.

Furthermore, the training support provided has been instrumental in facilitating a smooth transition to the new technology. This collaborative approach not only underscores your dedication to our success but also solidifies our partnership.

The success of the Eximius Greenfield project is a testament to the hard work, professionalism, and determination of the entire Parason Machinery team. We are profoundly grateful for your exceptional efforts in ensuring the project's success.

We look forward to continuing our fruitful partnership and exploring new avenues of collaboration in the future

Best Regards
Eximius Greenfield India Pvt Ltd

Mihir Zalawadia
Director

Thank you
Kagathara Industries LLP
for appreciation!



Goldleaf
Go Green with Goldleaf

KAGATHARA INDUSTRIES LLP.
Survey No 114/P1, Latipar Road,
At. Kalyanpar, Tankara-363650 Morbi (Guj.)
info@goldleafindia.in
www.goldleafindia.in

Appreciation From Kagathara Industries LLP, Gujarat

We would like to express our gratitude to Parason Machinery India Pvt Ltd for supplying us with 6 TPD automatic integrated stock preparation systems and 1 Nos Fully automatic Tableware machine.

Parason also provided invaluable support in plant engineering and commissioning services. The engineering support included detailed 2D and 3D plant layout models, piping, BOM and other technical details.

The performance of the equipment and machine is very good and the professionalism demonstrated by your team have left a positive impression on us.

We extend our sincere thanks to Parason Machinery for their outstanding services and support. We also anticipate a long and mutually beneficial partnership and look forward to future collaborations.

Kagathara Industries LLP.



Director

CUSTOMER DELIGHT

Your trust in us drives our commitment to excellence



Skyang Products

Parason Machinery has carved a remarkable testament showcasing a legacy of success through diligent service and innovative solutions to Skyang Products LLP, Aurangabad.

From providing cutting-edge machines to meticulously crafted molds, our turnkey solution helped them to achieve a robust 8 TPD project capacity.



Kagathara Industries LLP

With trust in our innovation and our commitment to quality, Kagathara accepted Parason as their reliable partner in business.

Parason's advanced technology is now operational at Kagathara, driving their business to new heights. Our comprehensive range of stock preparation products and fully automatic forming machines are significantly contributing to Kagathara's growth and success.



Growpack Bio LLC, Brazil.

Across continents, our reputation precedes us, as evidenced by our collaboration with Growpack Bio LLC in Brazil. Tasked with supplying a complex product design for the Tableware Production Line, we supplied them with Automated Machines, Stock and Auxiliary equipment.

We rose to the challenge with our trademark excellence. In their pursuit of manufacturing excellence, Parason Machinery stands by as their trusted partner.

CUSTOMER DELIGHT

Your trust in us drives our commitment to excellence



SOME OF PRESTIGIOUS CLIENTS



Rajkot, Gujarat



Kishangarh, Rajasthan



Himatnagar, Gujarat



Aurangabad, Maharashtra



Patna, Bihar



Tirupur, Tamil Nadu



Jammu



Brazil



Morbi, Gujarat



Surendra Nagar, Gujarat



Panipat, Haryana



Morbi, Gujarat



USA



Surat, Gujarat



Bilimora, Gujarat



United Kingdom (UK)



Kenya



Hyderabad, Telangana



Muktsar, Punjab



Ayodhya, UP



Rajkot, Gujarat



Greater Noida, UP



Noida, UP



Kolhapur, Maharashtra



Bangalore, Karnataka



Kaimur, Bihar



Navsari, Gujarat



Jaipur, Rajasthan



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Engineered Trust

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