



ECOTECH
PRIDE

'PRIDE IN EVERY GREEN SOLUTION'

WASTE PAPER RECYCLING

CONVERTING-WASTE TO WEALTH

Waste to Wealth

Waste

1. Paper & Printed Material

- Office paper waste
- Old books
- Old holy books
- Copies & answer sheets

2. Packaging & Industrial Paper Waste

- Corrugated boxes
- Other packaging boxes

3. Textile & Fabric Waste

- Cotton rags
- Woollen rags
- Denim scraps
- Silk rags

4. Natural Fiber Waste

- Jute waste
- Banana fibers



Wealth

- File Covers
- Conference Folders
- Envelopes
- Letterheads
- Notebooks
- Carry Bags
- Lampshades
- Photo Frames
- Tea Coasters
- Office Stationery
- Certificates
- Greeting / Visiting Cards

Production Process: Waste Paper Recycling Machines

Waste paper—such as office waste, notebooks, books, answer sheets, corrugated boxes, and similar materials—can be effectively recycled through a systematic process.



Production Process: Waste Cotton, Woolen & Jute Recycling Machines

Waste Paper – office waste , note book, books, answer sheet, corrugated boxes etc. In addition, Cotton rags, denim, woolen, silk, jute waste, can also recycled in this process.



Product Parameter

Product Parameters

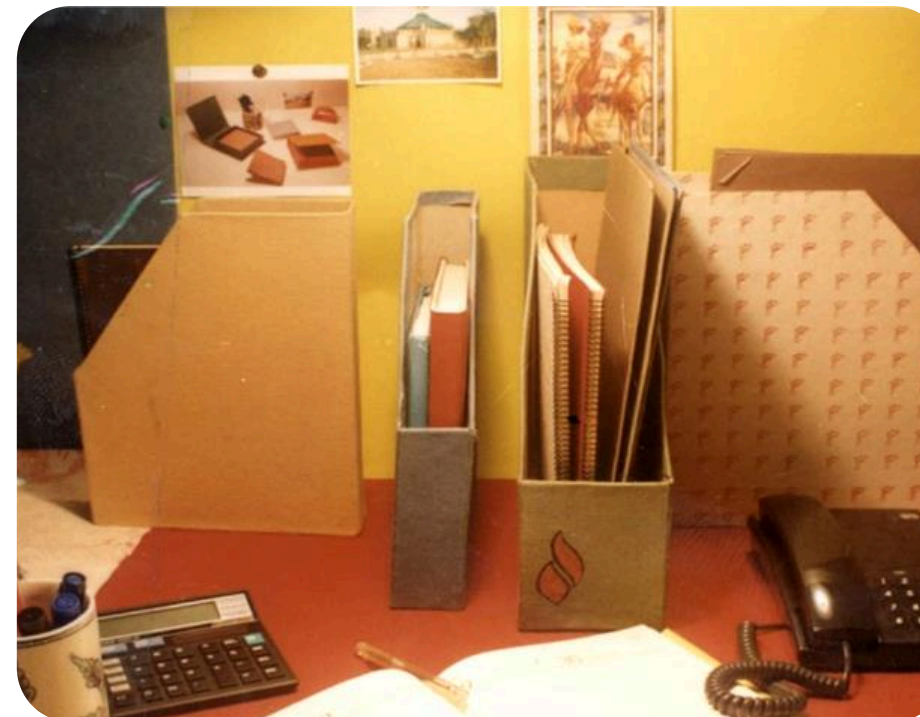
- Paper Size: 23" × 18"
- Available Size: 30" × 22"
- GSM Range: 100 – 1500
- Textures: Different unique textures available
- Effects: Variety of special finishes and effects
- Colours: 100+ colour options



Product Parameter

Product Uses

- File Covers
- Conference Folders
- Envelopes
- Letterheads
- Notebooks
- Carry Bags
- Lampshades
- Photo Frames
- Tea Coasters
- Office Stationery
- Certificates
- Greeting / Visiting Cards



Product Advantages

Product Advantages

- Utilizes waste paper & cotton rags
- Helps protect and preserve the environment
- Meets corporate & institutional demand
- Cost-effective production
- Carry bags can replace environmentally polluting plastic bags



...Generate employment for Women

Technology Packages

	BASIC TECHNICAL INFORMATION FOR WASTE PAPER RECYCLING TECHNOLOGIES								
S.NO .	Discriptions	EP-01, Package	EP-01 MOD, Package	EP-04, (Hydrapulper) Package	EP-04, (Beater) Package	EP-05, Package	EP-06, Package	EP-07, Package	EP-08, Package
1	Production Capacity	08-10 Kg / day	08-10 Kg / day	15-25 kg / day	15-25 kg / day	30-35 kg / day	50-75 Kg / day	75-100 Kg / day	100-150 Kg / day
2	ECOTECH PRIDE- Hydrapulper	1.0 Kg / Charge	1.0 Kg / Charge	3.0 Kg / Charge	NA	3.0 Kg / Charge	6 Kg / Charge	6 Kg / Charge (02 Nos.)	10 Kg / Charge (02 Nos.)
3	ECOTECH PRIDE – Beater	Optional	Optional	NA	3.0 Kg / Charge	3.0 Kg / Charge	5 Kg / Charge	10 Kg / Charge	10 Kg / Charge
4	ECOTECH PRIDE _Univat	18" x 23"	18" x 23"	18" x 23"	18" x 23"	18" x 23"	18" x 23" OR 22"X30" (02 Nos.)	18" x 23" OR 22"X30" (02 Nos.)	18" x 23" OR 22"X30" (02 Nos.)
5	ECOTECH PRIDE –Screw Press	27" x 32"	27" x 32"	27" x 32"	27" x 32"	27" x 32"	27" x 32"	27" x 32"	27" x 32"
6	ECOTECH PRIDE- Calendaring Machine	Optional	20"	20"	20"	24"	24"	24"	24"
7	ECOTECH PRIDE Paper Cuttiing Machine	Optional	Optional	Manual Cutting 24"	Manual Cutting 24"	Semi Automatic Cutting 33"	Semi Automatic Cutting 33"	Automatic Cutting 36"	Automatic Cutting 36"
8	Accessories (Couching Table, Couching Boards Cotton Felts, Woolen Felts	Provided by ECOTECH PRIDE	Provided by ECOTECH PRIDE	Provided by ECOTECH PRIDE	Provided by ECOTECH PRIDE	Provided by ECOTECH PRIDE	Provided by ECOTECH PRIDE	Provided by ECOTECH PRIDE	Provided by ECOTECH PRIDE
9	Electric Power	2 HP Single Phase	4 HP Single Phase	4 HP Single Phase	4 HP Single Phase	6.HP , Single Phase	15.0 HP , 3 Phase	20.0 HP , 3 Phase	25.0 HP , 3 Phase
10	Manpower	2-3 Persons	2-3 Persons	3-4 Persons	3-4 Persons	4-5 Persons	4-5 Persons	4-5 Persons	5-7 Persons
11	Water	300 Litres	300 Litres	600 Litres	600 Litres	900 Litres	1200 Litres	1500 Litres	2000 Litres
12	Area Covered	200 Sq. Ft.	200 Sq. Ft.	250 Sq. Ft.	250 Sq. Ft.	400 Sq. Ft.	500 Sq. Ft.	500 Sq. Ft.	500 Sq. Ft.
13	Area Open	200 Sq. Ft.	200 Sq. Ft.	250 Sq. Ft.	250 Sq. Ft.	400 Sq. Ft.	500 Sq. Ft.	500 Sq. Ft.	500 Sq. Ft.
14	Warranty	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months	12 Months
15	Annual Maintenance Contract	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Basic cost (INR)	INR 295,000.00	INR 495,000.00	INR 625,000.00	INR 695,000.00	INR 825,000.00	INR 1,550,000.00	INR 16,500,000.00	INR 1,850,000.00
	Note: # GST, Transportation cost, Insurance, and unloading charge will be extra as per actual to be paid by the buyer. ## Commercial offer subject to change based on requirements.								

BEATER

Beater

The Beater is an efficient machine designed for producing high-quality pulp from cotton rags (waste cloth pieces), denim waste, and natural fibers.

It is available in various capacities to suit different production needs:

- 2.0 kg capacity – Operated with a 2 HP, single-phase electric motor
- 3.5 kg, 6.0 kg, and 10 kg capacities – Operated with a 3 HP, three-phase electric motor

Constructed from high-grade stainless steel, the Beater ensures durable, corrosion-resistant, and maintenance-free operation, making it ideal for continuous use in recycling and paper production processes.



RAG CHOPPER

Rag Chopper

The Rag Chopper is specialized equipment for chopping cotton and denim rags, which serve as raw material for the Beater. It is operated by a 3 HP, three-phase electric (induction) motor, ensuring powerful and efficient performance.

The machine's operation features:

- Rotor Assembly: Equipped with 4 sharp, adjustable blades, the rotor receives power from the motor through a V-belt pulley system.
- Cutting Mechanism: Rotor blades cut against a stationary blade, producing small, uniform pieces of cotton rags for feeding into the Beater.
- Sloped Feeder: Guides rags into the cutting zone smoothly.
- Automatic Discharge: Chopped rags slide onto a conveyor powered by the same induction motor for easy transfer to the next processing stage.

Built for reliable, continuous operation, the Rag Chopper streamlines the preparation of raw materials for high-quality pulp production.



HYDRA-PULPER

Hydra-Pulper

The Hydra-Pulper is an essential piece of equipment in the paper recycling process, designed to convert wet paper into a uniform pulp suitable for sheet formation. It plays a crucial role in preparing raw materials for high-quality recycled paper production.

Key Functions

- Pulping Wet Paper: Efficiently breaks down wet paper into a fine slurry of fibres.
- Versatile Applications: Suitable for recycling waste paper, paper trimmings, and other fibrous materials.
- Continuous Operation: Designed for consistent performance with minimal downtime.

Available Capacities & Power Options

- 1 kg and 3 kg models – Operated with a 2 HP, single-phase electric motor for small-scale or laboratory production.
- 6 kg and 10 kg models – Operated with a 3 HP, three-phase electric motor for larger-scale production needs.

Construction & Durability

- Stainless Steel Build: Ensures corrosion resistance and long-lasting performance.
- Low Maintenance: Precision engineering reduces wear and tear, resulting in maintenance-free operations.
- User-Friendly Design: Easy to load, operate, and clean.

Advantages

- Uniform and high-quality pulp output
- Energy-efficient operation
- Adaptable for various types of paper waste
- Ideal for educational institutions, craft paper units, and commercial recycling plants



UNIVAT

Univat

The Univat is a manually operated device used for converting pulp into sheets of paper of the desired thickness. It is a vital part of the handmade and recycled paper production process, allowing flexibility in sheet size, texture, and weight.

Key Functions

- Sheet Formation: Converts measured quantities of pulp into uniform paper sheets.
- Manual Precision: Offers control over thickness and texture through careful handling.
- Custom Sizes: Deckles designed according to the required finished paper dimensions.

Working Process

1. Measuring the Pulp: A specific quantity of pulp is measured according to sheet size.
2. Pouring & Spreading: The pulp is poured into the Deckle frame and evenly spread in a pool of water.
3. Sheet Formation: As the Deckle is gradually lifted from the water, suction helps fibres bind together to form a uniform sheet.
4. Transfer for Drying: The freshly formed sheet is then transferred for pressing and drying.

Available Deckle Sizes

- 11" x 16" – Suitable for small-format, craft, or specialty paper.
- 18" x 23" – Popular size for standard handmade sheets.
- 22" x 30" – Ideal for large-format or custom projects.

Advantages

- Flexibility in paper size and thickness
- Simple, low-maintenance manual operation
- Suitable for artistic, craft, and commercial handmade paper production



SCREW PRESS (MANUAL / HYDRAULIC)

Screw Press (Manual / Hydraulic)

The Screw Press is essential equipment in the handmade and recycled paper production process, designed to remove excess water from freshly formed wet sheets produced on the Univat. This step is crucial for reducing drying time and ensuring uniform sheet density.

Key Functions

- Water Extraction: Efficiently squeezes out moisture from wet paper sheets.
- Pressure Application: Uses either manual or hydraulic pressure for consistent results.
- Size Compatibility: Available in multiple sizes to match Univat sheet dimensions.

Available Sizes

- 11" x 16" – For small-format paper sheets.
- 18" x 23" – For medium-format sheets.
- 30" x 36" – For large-format production.

Construction & Features

- Robust Frame: Built for durability and long-term use.
- Smooth Operation: Easy-to-turn screw mechanism or hydraulic system for reduced effort.
- Uniform Pressure: Ensures even moisture removal without damaging the sheet.

Advantages

- Shortens drying time significantly
- Improves final sheet quality and strength
- Simple operation and low maintenance
- Suitable for small-scale and commercial handmade paper units



CALENDERING MACHINE

Calendering Machine

The Calendering Machine is a low-power finishing device used for the cold polishing of dry and uneven paper sheets, enhancing their smoothness, texture, and appearance. It is a vital step in producing high-quality handmade and recycled paper products.

Key Functions

- Surface Polishing: Smooths and flattens dry paper to achieve a refined finish.
- Cold Process: Operates without heat, preserving paper fibres and preventing warping.
- Safety-Assured Operation: Equipped with electronic sensors for operator protection during use.

Available Models

- 20" Wide Roll Model – Powered by a 2 HP geared motor, single phase.
- 24" & 27" Wide Roll Model – Powered by a 3 HP geared motor, three phase.

Construction & Features

- Precision Rollers: Ensure even pressure distribution for consistent polishing.
- Safety Devices: Both models are fitted with an emergency safety mechanism.
- Low Power Consumption: Designed for efficiency without compromising quality.

Advantages

- Improves visual appeal and tactile quality of paper
- Reduces surface irregularities for a premium finish
- Easy to operate and maintain
- Suitable for small-scale, craft, and commercial paper production



CUTTING MACHINE (MANUAL / SEMI-AUTOMATIC)

Cutting Machine (Manual / Semi-Automatic)

The Cutting Machine is designed for precision cutting of paper into desired sizes, ensuring clean edges and consistent dimensions for final products. It is available in both manual and semi-automatic models to suit varying production needs.

Semi-Automatic Model

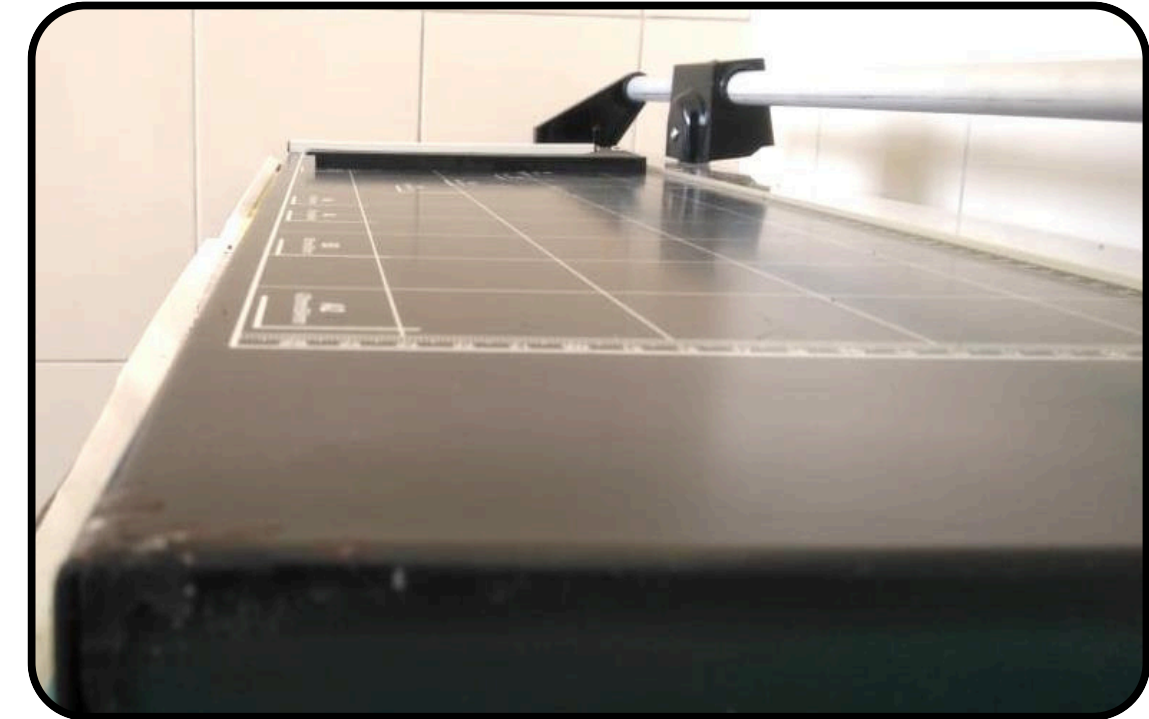
- Capacity: 33" semi-mechanized paper cutter
- Power: Driven by a 2 HP, three-phase induction motor
- Operation: Hardened sharp blade operated using a two-clutch button system, requiring both buttons to be pressed simultaneously for safe operation
- Safety Feature: Equipped with a photo-sensor safety system to prevent accidental blade engagement
- Adjustable Length: Integrated back-table adjustment system allows the operator to easily set paper length from the front

Manual Model

- Ideal for Low-Capacity Packages
- Operated by hand for small-scale or craft production
- Simple and cost-effective solution for short runs

Advantages

- Ensures accurate, clean cuts
- Safety-focused design with sensor and dual-button operation
- Adjustable for multiple paper sizes
- Available for both high-capacity and low-capacity production requirements



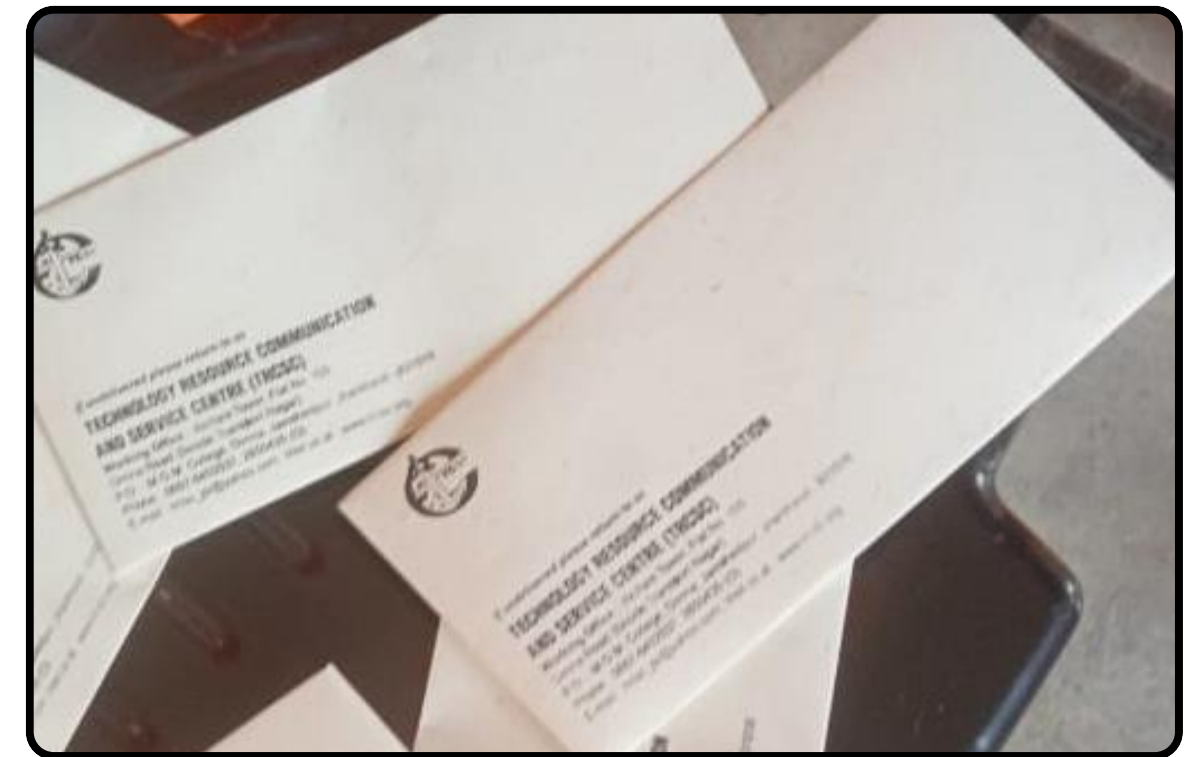
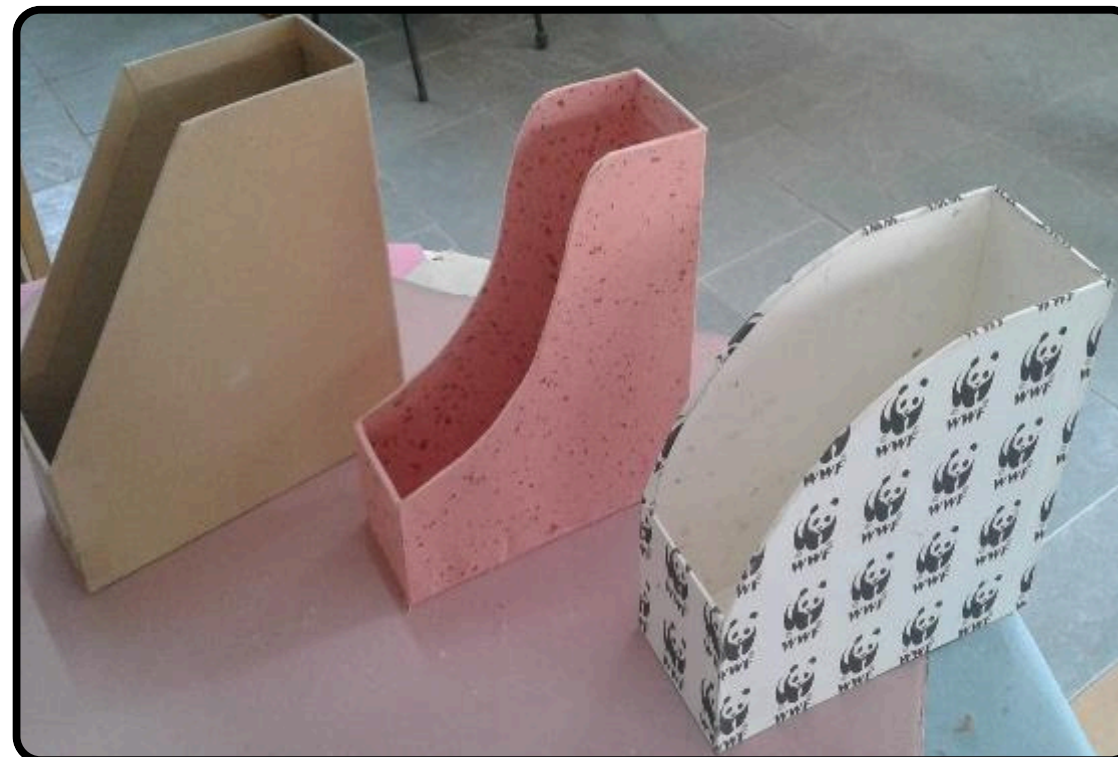
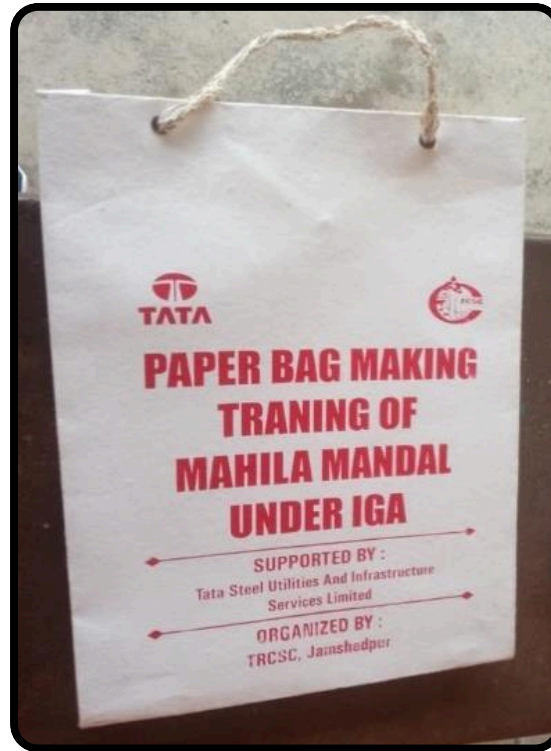
TOOLS AND ACCESSORIES

The Technology Package Includes:

- Standard tools for machine assembly and maintenance
- High-quality woollen felts for pressing and finishing paper sheets
- Durable cotton felts for water absorption and sheet protection



PAPER PRODUCTS



THANK YOU

ECOTECH PRIDE

Innovating Sustainable Recycling Solutions

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