




SUSTAINABILITY FIRST



SUSTAINABLE POLYMERS. **PROVEN PERFORMANCE.**

PC | PP GRANULES

Our recycled PC & PP granules are engineered to deliver reliable performance and significant cost advantages over virgin materials, enabling manufacturers to achieve performance, efficiency and sustainability without compromising on quality.

ABOUT FATHERSON BIOTECH

RECYCLING UNIT OF MUNDHRA MASTERBATCHES

Established in 2020, **FATHERSON BIOTECH** is an engineering polymers recycling company committed to transforming plastic waste into high performance, sustainable material solutions. Through advanced recycling processes and in-house technical expertise, we recover and reprocess engineering grade polymers while maintaining consistent quality and performance. Our mission is to support manufacturers with reliable recycled materials that promote circularity, resource efficiency and environmental responsibility.

Based in New Delhi, **FATHERSON BIOTECH is a dedicated recycling unit of Mundhra Masterbatches**. Backed by years of industry expertise, we are recognized for consistent quality, strong technical capability and a reliable supply of high-performance engineering polymer materials across India. Our operations are driven by strong technical capability, process consistency and strict quality control; enabling us to deliver materials with reliable mechanical properties and stable processing behaviour.

WHY CHOOSE US

● ISO-CERTIFIED MANUFACTURING SYSTEMS

Infrastructure designed and operated in compliance with ISO quality standards, ensuring controlled, repeatable and auditable processes.

● ADVANCED COMPOUNDING & EXTRUSION LINES

Modern, high-precision machinery enabling consistent production of engineering polymer grades.

● DEDICATED IN-HOUSE WASHING PLANT

Infrastructure supporting sustainable polymer processing for consistent quality and superior polymer performance.

● INTEGRATED IN-HOUSE TESTING & QUALITY LABS

Fully equipped laboratories integrated into the manufacturing infrastructure for real-time quality validation.

● AUTOMATED PROCESS CONTROL

Digitally monitored production lines to minimize variation and maintain consistency.

● SCALABLE PRODUCTION CAPACITY

Infrastructure designed to handle both customized small batches and large-volume manufacturing with consistent output.

● RELIABLE UTILITIES & BACKUP SYSTEMS

Power, water and process backup systems ensuring uninterrupted production.

● ROBUST MATERIAL HANDLING & STORAGE SYSTEMS

Structured storage, segregation and traceability systems to maintain material integrity.



OUR SUSTAINABLE & RELIABLE RECYCLING PROCESS

We follow a responsible and transparent recycling process that minimizes waste and protects the environment. From collection and segregation to processing and reuse, every step is designed to reduce carbon footprint and ensure maximum material recovery.

Our goal is to create a cleaner, greener future by turning waste into valuable resources in a safe and sustainable way.



MATERIAL COLLECTION & SEGREGATION

Post-industrial and post-consumer plastic waste is collected and segregated by polymer type to ensure consistency and process efficiency.



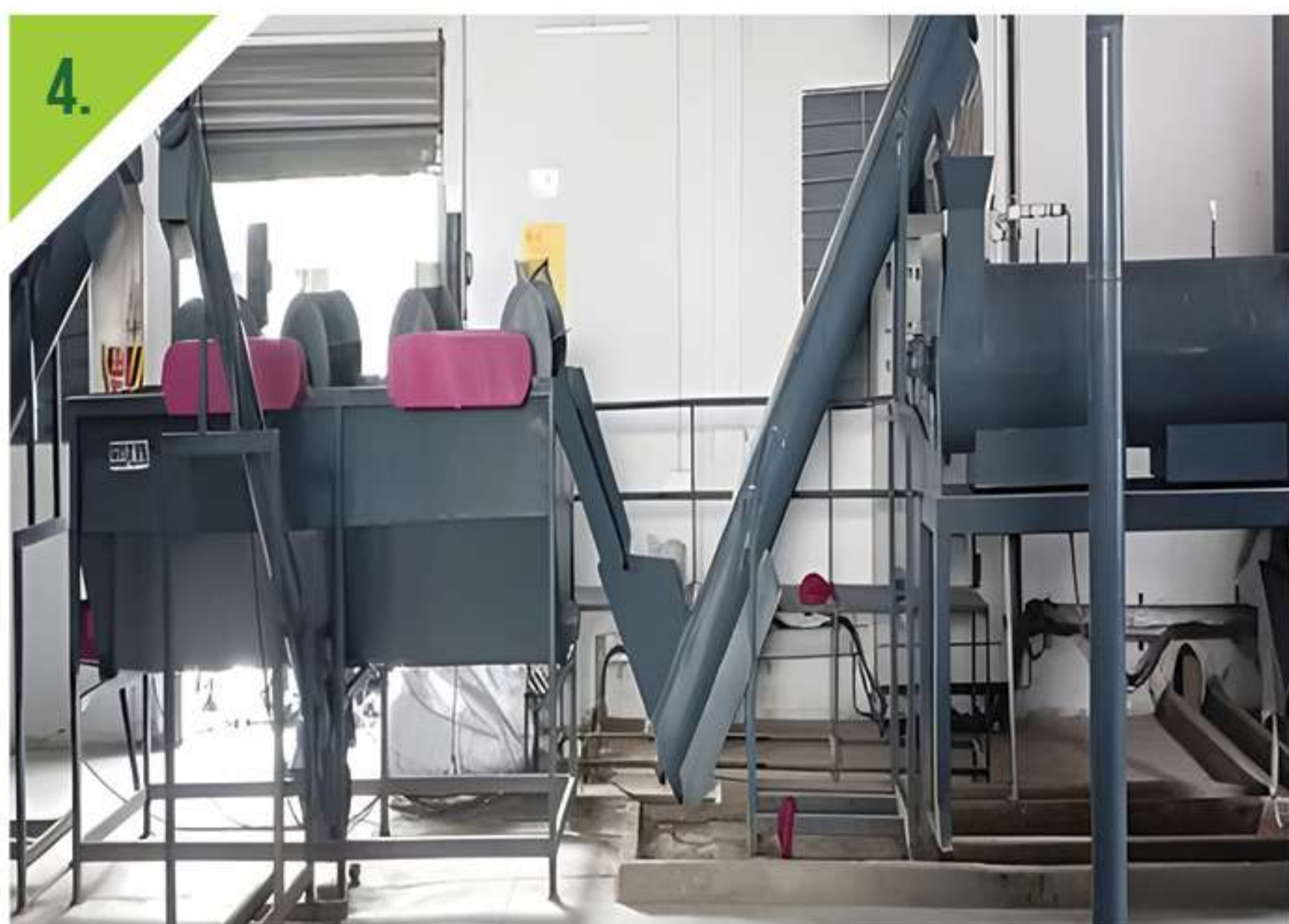
SORTING & CONTAMINATION REMOVAL

Advanced sorting methods remove foreign materials, metals and contaminants to prepare clean input material.



SIZE REDUCTION (SHREDDING / GRINDING)

The material is shredded or granulated into uniform flakes for controlled downstream processing.



WASHING & DRYING

Intensive washing removes dust, oils, labels and residues, followed by controlled drying to maintain material integrity.



MELT FILTRATION & EXTRUSION

Cleaned material is melted, filtered and extruded using optimized process parameters to ensure stable flow and dispersion.



PELLETIZING / GRANULATION

The extruded polymer is pelletized into consistent granules suitable for industrial reuse.



QUALITY TESTING & VALIDATION

Each batch undergoes in-house testing for melt flow, dispersion, color consistency and thermal performance.



PACKAGING

Quality-approved granules are packed under controlled conditions to ensure material integrity during storage and transport.



DISPATCH

Finished material is dispatched through a streamlined logistics process to ensure timely and secure delivery.

OUR PRODUCTS

PC GRANULES

PREMIUM POLYCARBONATE ENGINEERING POLYMER

PC (Polycarbonate) granules from FATHERSON BIOTECH are high-performance engineering polymers known for their excellent impact resistance, thermal stability and dimensional accuracy. Recycled PC granules offer a sustainable alternative to virgin material while maintaining consistent processing behaviour and mechanical performance. They are widely used in automotive, electrical & electronics, industrial components, and consumer applications where strength, durability, and reliability are essential.

KEY PROPERTIES

- Exceptional Impact Resistance
- High Heat Resistance
- Excellent Transparency
- Good Electrical Insulation
- Good Weatherability
- Thermal Stability



APPLICATIONS



OUR PRODUCTS

PP GRANULES

PPCP | PP HOMOPOLYMER

PP (Polypropylene) Granules from Fatherson Biotech are manufactured to meet the needs of modern plastic processing industries, offering an excellent balance of strength, flexibility and cost efficiency. Our granules are widely trusted for their uniform melt flow, superior finish, and long-term durability. Widely used across packaging, automotive, consumer, and industrial applications; our recycled PP granules help reduce material costs and environmental impact while supporting sustainable and circular manufacturing practices.

KEY PROPERTIES

- High Chemical Resistance
- Good Electrical Insulation
- Moisture Resistance
- Good Impact Resistance
- Thermal Stability
- Lightweight



APPLICATIONS



KEY INDUSTRIES WE SERVE

We serve a wide range of industries with high-quality recycled polymer solutions engineered for performance, reliability and sustainability.



AUTOMOTIVE

APPLICATIONS INCLUDE:

INTERIOR COMPONENTS:

Dashboards, Trims, Consoles, Panels, etc

EXTERIOR PARTS:

Grills, Mirror housings, Claddings, Door visors, etc.

FUNCTIONAL COMPONENTS:

Air ducts, Brackets, Clips, Under-hood Covers, etc.



ELECTICAL & ELECTRONICS

APPLICATIONS INCLUDE:

ELECTRICAL HOUSINGS AND ENCLOSURES:

Distribution boards, Meter boxes, Control panels, etc.

SWITCHGEAR COMPONENTS:

Switches, Sockets, Plug tops, MCB housings, etc.

CONSUMER ELECTRONICS & LIGHTING COMPONENTS:

Set-top box housings, LED housings, Diffusers, Electrical fittings, etc.



PACKAGING

APPLICATIONS INCLUDE:

RIGID PACKAGING FOR FOOD & BEVERAGES:

Containers, Jars, Bottles, Crates, Tubs, etc.

INDUSTRIAL & PROTECTIVE PACKAGING:

Pallets, Bins, Drums, Transport packaging, etc.

COSMETIC & PERSONAL CARE PACKAGING:

Tubes, Jars, Caps for Creams, Lotions, etc.



CONSUMER & HOUSEHOLD

APPLICATIONS INCLUDE:

HOME UTILITY PRODUCTS:

Storage boxes, Organizers, Bins, Trays, etc.

HOME APPLIANCES & ELECTRONICS CASINGS:

Kitchen appliances, Housings for fans, Heaters, etc.

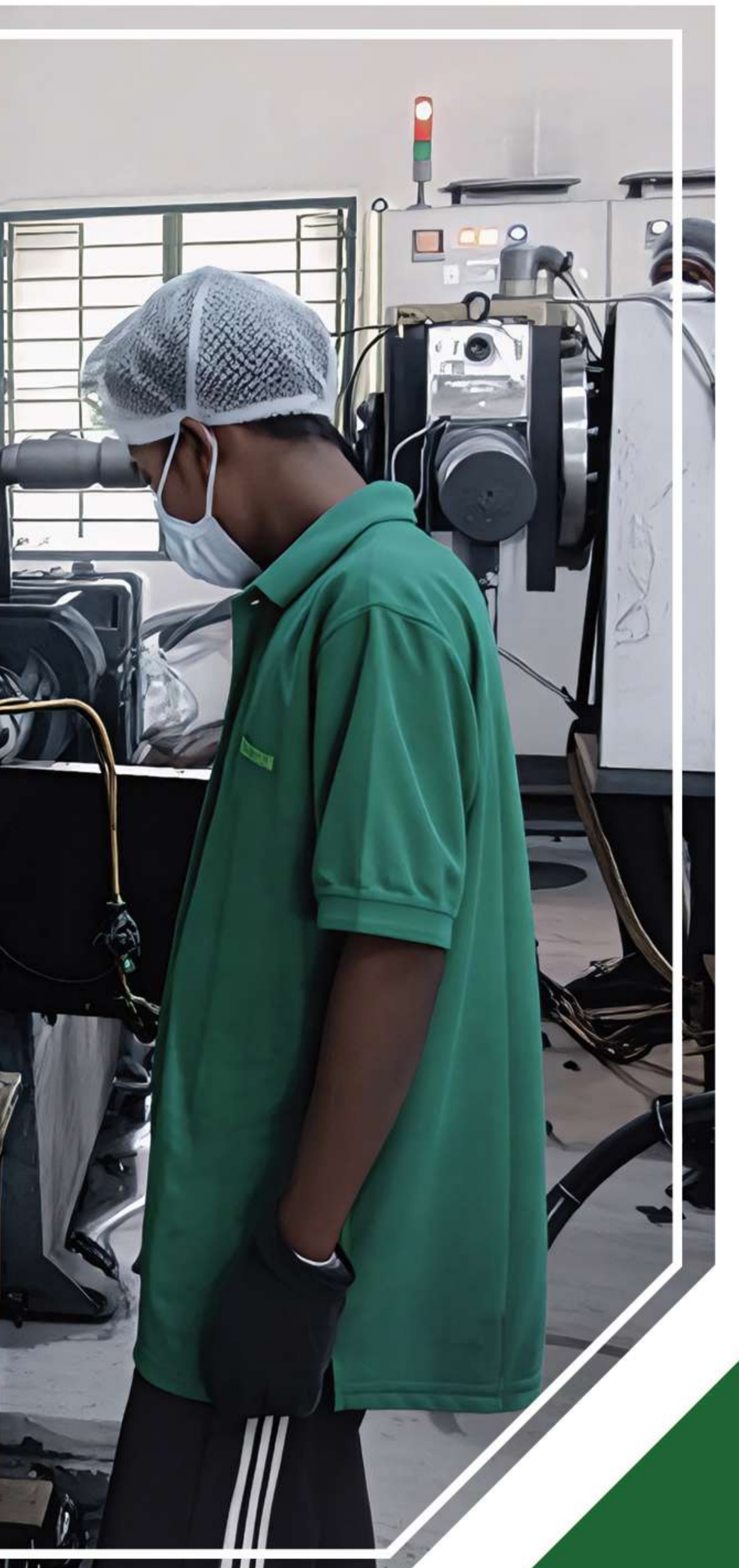
HOUSEHOLD ACCESSORIES:

Buckets, Mugs, Dustbins, Containers, etc.

INFRASTRUCTURE

The company is equipped with advanced and sophisticated testing facilities to ensure uncompromised quality of both raw materials and finished products. A fully equipped in-house laboratory, managed by qualified and experienced technical professionals, carries out stringent testing at every stage of production—right from incoming raw material inspection to online process control and final product evaluation.

- DEDICATED IN-HOUSE WASHING PLANT
- MELT FLOW INDEX (MFI) TESTER
- UV ACCELERATION MACHINE
- UNIVERSAL TENSILE TESTER
- COLOR MATCHING BOOTH
- SPECTROPHOTO METER
- IZOD IMPACT TESTER



SUSTAINABILITY FIRST

Creating a cleaner future, together

Join the FATHERSON family in our mission to protect the planet.



CONTACT US



SALES & SUPPORT

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IMDS
Certificate

