

# EcoSphere™

Our seats enable a cleaner mobility, utilizing our EcoSphere™ product family made up of; trim foundation, base pad, face goods and structures.

## Purpose

- We are leveraging bio-based and recycled materials for our seats to provide sustainable seating solutions
- The technologies, systems and concepts we are developing enable cleaner and safer mobility for everyone and everything.

## Value Proposition

- Eco-conscious material
- Readily available material
- No compromises when compared to current production seats
- Meets automotive testing requirements
- 2024 Pace Pilot Winner

## Technical Description

- Trim foundation is highly breathable, no compromises in comfort, mass, durability or firmness
- Seat Pad Solutions
  - Recycled PET base pad made up of 60% recycled PET material and 100% recyclable at end of life
  - PU Base Foam may contain up to 5% recycled content and 10% bio-content
- Melt Recyclable Pad & Trim Assembly
  - Comprised of 100% melt recyclable base pad, trim foundation, face goods, j-retainer, adhesive, hook & loop
- Face Goods composed of recycled PET and/or bio-based materials
- Lightweight and thin structures available

## Next Steps / Timeframe

- Patent pending
- Trim foundation ready for implementation



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# EcoSphere™ Trim Foundation

Creating bio-based and recycled solutions for commercialization of trim foundation materials to support the concept of a circular economy.

## Purpose

- Provides a sustainable alternative to traditional trim foundation
- Provides a cost-effective spacer fabric replacement
- Supports a 100% melt-recyclable trim assembly

## Value Proposition

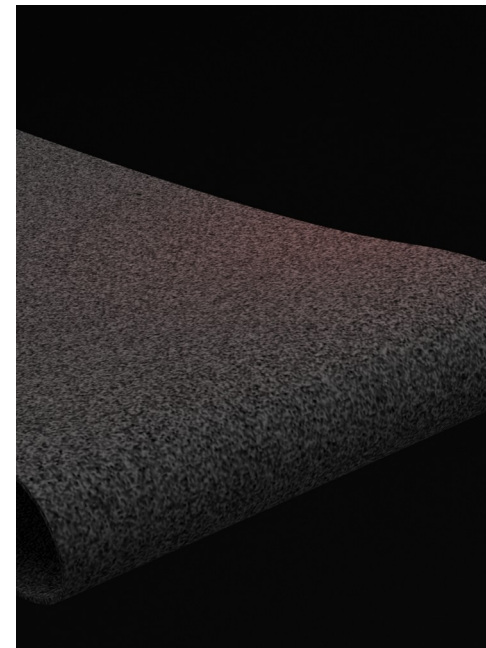
- Cost competitive
- Highly breathable and customizable
- Equivalent firmness to polyurethane
- Durability, mass and comfort equivalent
- Utilizes industry standard production processes

## Technical Description

- Highly breathable, needle punch non-woven
  - 100% recycled PET spacer fabric
  - 100% recycled PET plus pad
  - 90% recycled PET moldable solution

## Next Steps / Timeframe

- Patent pending
- Engineering validation complete and ready to customize to specific program requirements if needed



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# EcoSphere™ Seat Pad Solutions

Innovating traditional PU foam with bio and recycled content and 100% recyclable foam pad replacements.

## Purpose

- Traditional PU foam pads that leverage bio or recycled content
- 100% melt recyclable base pad solution supports the circular economy

## Value Proposition

PET base pad

- Improved breathability
- Potential for 20% reduction in cycle time when compared to conventional PU foam
- Moldable to achieve 'B' side features required to nest to frames
- One pad is composed of ~68 recycled water bottles

Conventional PU

- Provides a sustainable alternative solution

## Technical Description

PET base pad

- made up of ~60% recycled material and 40% virgin material
- 100% recyclable at end of life

Conventional PU

- contains up to 5% recycled material
- contains up to 10% bio-content

## Next Steps / Timeframe

PET base pad

- Engineering Validation – target completion by Q2 2025

Conventional PU

- Bio/recycled content - In production
- Further development in progress to increase bio/recycled content up to 20%



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# EcoSphere™ Melt Recyclable Pad & Trim Assembly

The center of our vision is the circular economy. Through the reuse and regeneration of materials, our industry first system is delivering cleaner mobility.

## Purpose

- With a focus on our ecosystem, our 100% melt recyclable base pad & trim assembly provides a sustainable solution that allows materials to be reused

## Value Proposition

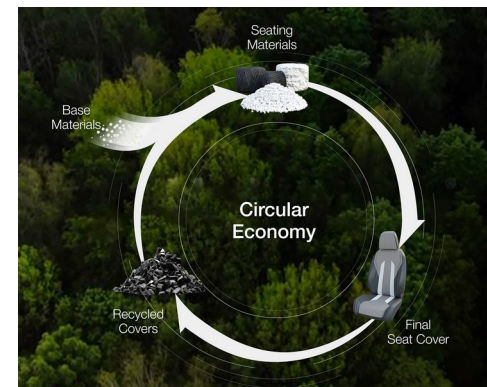
- Easy to recycle; no need to disassemble
- Composed of recycled material and entire assembly is 100% recyclable at end of life
- Trim foundation is highly breathable, no compromises in comfort, mass, durability or firmness
- Our base pad offers a reduction in cycle time and more breathability

## Technical Description

- 253 plastic water bottles make up each trim assembly
- Utilizes 100% melt recyclable base pad, trim foundation, face good, j-retainer, adhesive, hook & loop

## Next Steps / Timeframe

- Production ready for 2027



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Ideation



Discovery



Concept



Development



Series Preparation



In Production