Etat'Hη Solide

Sustainability through Innovation Efficiency for the Future

Making the World's Molded Plastics

One-Third Lighter.

Backed by

PLUGANDPLAY

ALCHEMIST

POLSKY

Center for Entrepreneurship and Innovation

THE UNIVERSITY OF CHICAGO

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Resin Drives Cost.

MARKET

$300B+*

GLOBAL INJECTION MOLDING

U.S. ENTRY

AUTOMOTIVE · INDUSTRIAL

MATERIAL COST

60%+*

MATERIAL SHARE OF PART COST

PART-DEPENDENT ESTIMATE

PART REQUIREMENTS

- **WEIGHT**
- **SURFACE**
- **STRENGTH**

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Lighter Parts. New Problems.

Bad Surface

Visible defects

Weak Savings

Not enough resin reduction

Hard to Adopt

New equipment.
Long validation.

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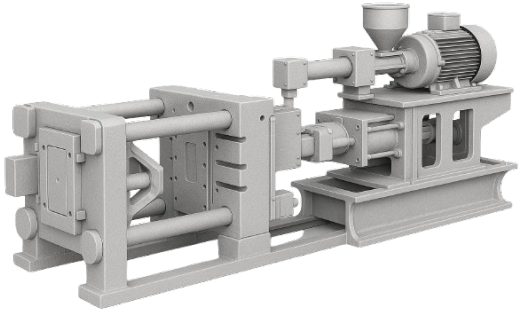
SOLUTION

Lighter parts. Clean surface. Existing lines.

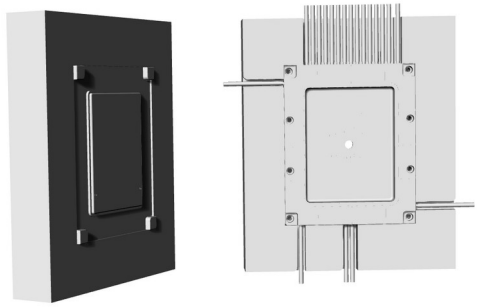


EcoFoam

Resin reduction

- 34.3% LESS MATERIAL

Lower resin cost

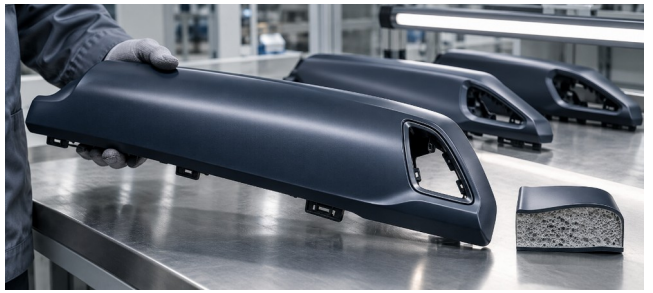


EcoMold

Surface recovery

+ 25.3% CLEANER SURFACE

Lower finishing cost



Outcome

Economic payback

105% YEAR ROI

$257K savings / line / year

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Factory Know-How. Built Into Products.

40+ YEARS

FATHER TO SON

BUILT IN-HOUSE

REBUILT AFTER COVID

ECOFOAM

Gas booster for foaming

ECOMOLD

Mold temperature controller

Company archive photos and retouched product images. Configuration varies by application.

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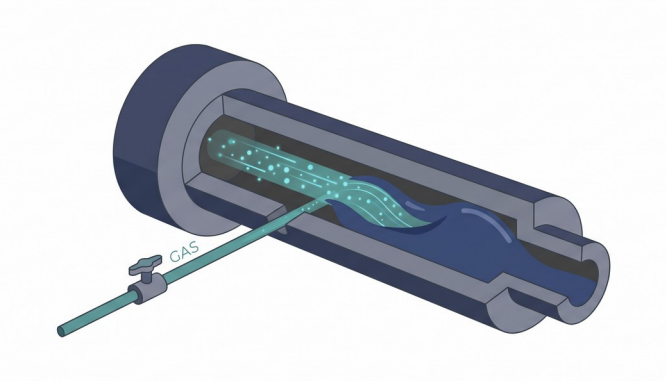
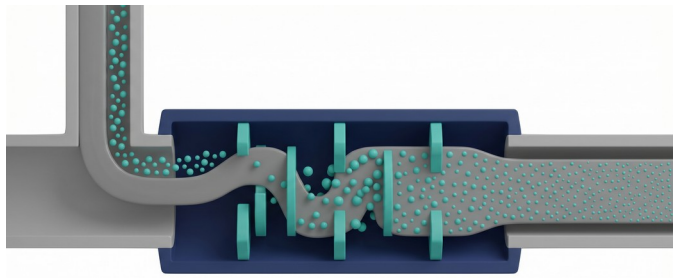
Light Inside. Clean Outside.

Precise Gas Control



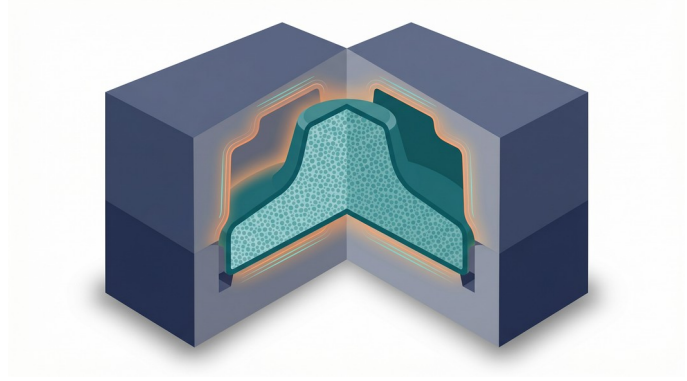
Replace plastic with gas

Mix Uniformly



Create small, even cells

Heat the Surface



Keeps the outer skin smooth

Hard to Copy: **4 Patents · 3 PCT Filings · Trade Secrets**

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Two Global Customers. Two Industries.

AUTOMOTIVE

GLOBAL TOP-5 SUPPLIER

$30K

PoC ORDER

LOI · PO · VENDOR REGISTERED

U.S. validation reserved
Second business unit + CVC track

PACKAGING

Nestlé

Selected for PoC

CONFIRMED 29 SEP 2026

PoC proposal preparation

CUSTOMER EVALUATIONS

SUBARU

SAPA The One-Shot® Company

MATERIAL DISCUSSIONS

DOW

BASF We create chemistry

POSCO IMP FINALIST

Final diligence pending

5 prior validations: Yanfeng, Gentex, LG, SK, Hanhwa

Tier-1: PO issued; receipt and completion not asserted. Nestlé: PoC selection confirmed; scope and commercial terms to follow.

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COMPETITOR COMPARISON

Less Plastic. Smooth Finish

	WEIGHT REDUCTION	ABS GLOSS	BACKED BY
EcoFoam + EcoMold	**34.3%***	**83 → 104 GU**	**Global Tier-1** LOI + PoC + CVC track
MuCell / Trexel	**5–12%†**	Add-on needed	**ENGEL** Acquired
Woojin Super-Foam	**5–10%†**	Foaming only	**Hyundai** Joint trials
Roctool	MuCell option	**53 → 85 GU**	**ENRX** Investor

* EHS: KTR sample. † MuCell / Woojin: EHS L1 comparison ranges. ABS gloss: separate reported tests.

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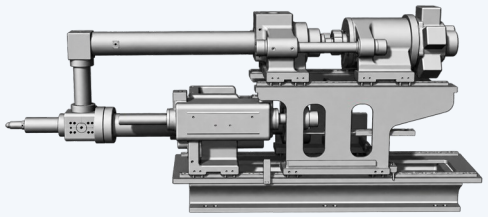
Sales + Royalties

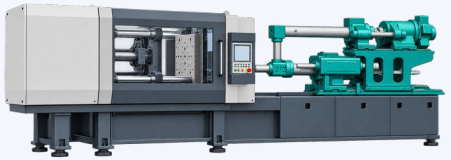
Paid Trial $30K–$100K / project

Built by EHS



EcoFoam Injection Unit

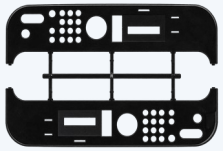
EcoMold



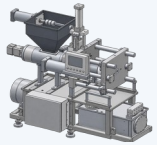
Existing Machines → **Equipment Sales**

+ 20–30%

royalty on verified savings



Our Production → **Part Sales**



Derived Products → **Product Sales**

Reinvest Net Cash

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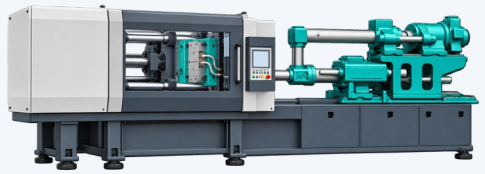
Scaling Across the Plastics Supply Chain

First Customers

Automotive + Packaging

EcoMold **EcoFoam**

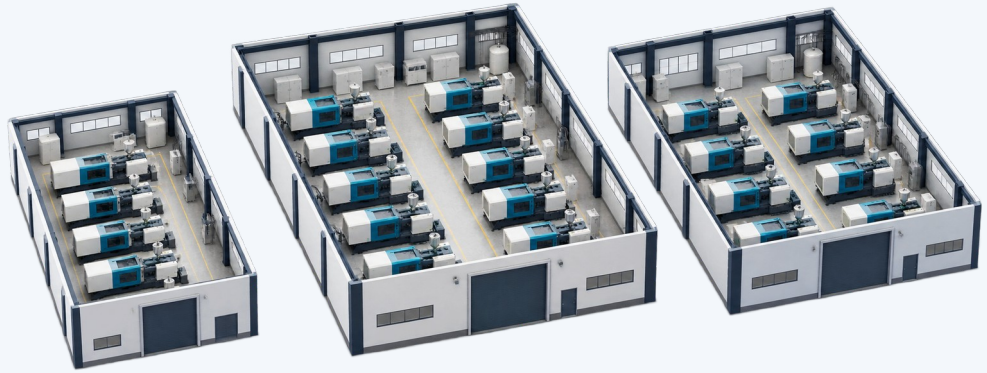


Tier-1 + Nestlé

Order + PoC selection

More Production Lines

EcoFoam + EcoMold



$257K / line / year*

potential savings

More Industries

Robotics

+100 hrs / robot / yr*

Drones + eVTOL

Up to 18% longer flight*

Aerospace + Space

Future applications

Customer access

ALCHEMIST PLUGANDPLAY

Corporate + CVC introductions

Local support

MSU RESEARCH FOUNDATION SPARTAN INNOVATIONS · THE RIGHT PLACE Advancing the West Michigan Economy · GRAND VALLEY STATE UNIVERSITY · MICHIGAN ECONOMIC DEVELOPMENT CORPORATION

Business development + engineering

Materials access

DOW · BASF We create chemistry · posco

Materials evaluation · IMP finalist

Expansion requires customer approval. *Illustrative application benefits.

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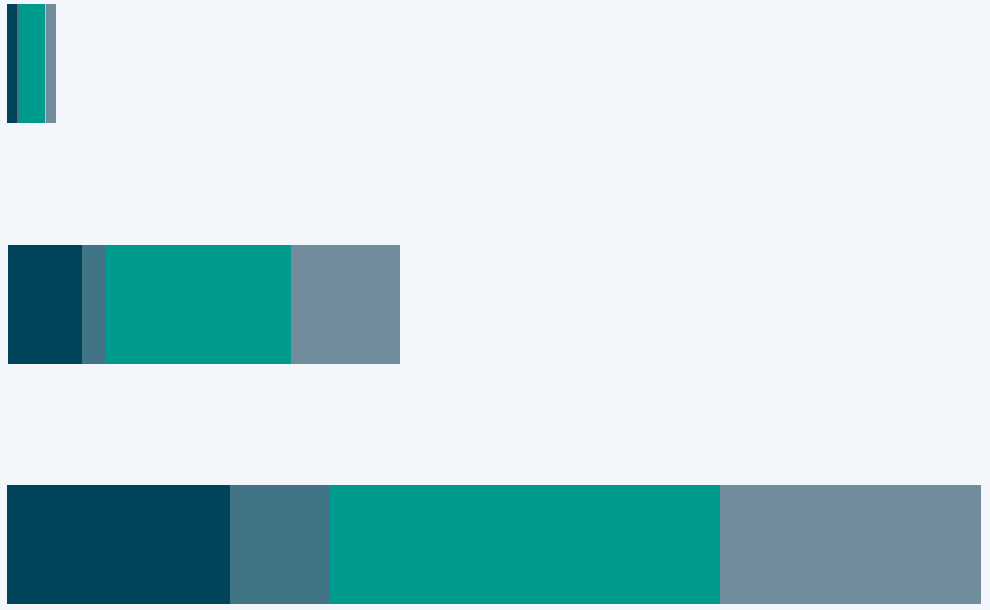
EcoFoam + EcoMold Drives Growth

■ Equipment sales ■ Royalties ■ In-house parts sales ■ Paid PoCs ■ Derived technology products

Year	Revenue (USD)	New customer lines	Own production lines, year-end
2027	$6.2M	8	12
2028	$50.9M	64	36
2029	$126.3M	192	66



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Deep plastics. U.S. access.

Core

Jhea-Uhg “Damian” Kang

Founder & CEO

Tech Lead **since 2019**

Core

Ji-Sung Jeon

CTO

Former **R&D leader**
Global Machine Maker · 50–4,300T

Core

Myung-Ho Kang

Plastics Expert

40+ Yrs in Polymer **PE**
& Nanomaterials **Professor**

Core

Pete Kaha

U.S. Sales

40+ years U.S. Tier-1 access

Ops

Jack Wu

U.S. Strategy & Operations Partner

U.S. GTM & Operating Scale-Up

Ops

Cindy Jinhee Park

Technical Execution Partner

Manufacturing coordination

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Fund Validation. Enable Scale.

OCTOBER 2026 TARGET

$300K

COMMERCIAL MILESTONE FINANCING

DECEMBER 2026 TARGET

$3.0M

SUBSEQUENT SEED ROUND

Expandable to $3.5M

$300K USE OF FUNDS

40%	$120K	EXECUTE TIER-1 PO
30%	$90K	NEXT PAID PROGRAM
20%	$60K	U.S. DEPLOYMENT
10%	$30K	CORE EXECUTION

Financing targets remain uncommitted. The 2028-29 expansion requires up to $4.20M additional net funding.

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A Third Lighter.
Built to Scale.

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