



INTEC BIOPLASTICS™
INC.

Investment Memorandum

Reg. D Funding

\$10 Million Raise

5/06/2024



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A glass globe with a green landscape inside, resting on a bed of moss in a sunlit forest. The globe is the central focus, showing a lush green scene with trees and a path. It sits on a thick layer of vibrant green moss. The background is a soft-focus forest with sunlight filtering through the leaves, creating a warm, natural atmosphere.

I. Executive Summary

Executive Overview

Intec Bioplastics, Inc. is a bio-resin engineering company that assists its customers to achieve their sustainability goals of net zero carbon footprint, net zero plastic and waste to landfills.

Intec was incorporated in 2019. The corporate offices are located in Santa Monica with two manufacturing facilities in Los Angeles County, a 24,000 sq ft facility and a 5,000 sq ft facility. Intec offers its customers a circular economy through sustainable products and packaging at the most economically feasible pricing in the world.

Market focus in food service, housewares, medical packaging, cosmetic packaging, toys, footwear, automotive, cannabis packaging, construction and building materials. Intec's manufacturing processes are compounding bio-resins, injection and blow molding, thermoform and extrusion.



Intec holds the exclusive rights to 14 U.S. patents, 2 foreign patents, and 65 patents pending in 35 countries as well as additional trade secrets, more than 590 bio-resin formulas and multiple trademarks.

Executive Overview

Intec's EarthPlus® bio-resins are biodegradable, compostable, and can be recycled with regular plastics. EarthPlus® bio-resins are FDA-food grade compliant. Intec offers its customers an all-in-one platform in a sustainability partnership to solve their ESG goals, products and packaging needs. Packaging legislation globally is making it more and more challenging for companies to find manufacturers and suppliers for their products and packages ESG goals, that are in compliance with these laws.

Phase I – Intec's business model is to vertically integrate our patented technology to solve our customers' ESG sustainable goals.

The plastic global market will exceed \$4 trillion this year. Countries around the world are following the United Nations' sustainability goals to eliminate single-use toxic plastic by 80 percent over the next 20 years, with sustainable materials that can be recycled and be bio-compostable. Intec is already the world leader in this space, holding the only U.S. patent in the world in this technology.



With the increasingly stringent global legislation being passed by government bodies, the plastic problem is finally coming into the spotlight. Intec's patented plant-based material called EarthPlus®, which can replace toxic petroleum-based plastic with an economically feasible, environmentally sustainable material. The average human eats a credit card worth of plastic every week.

Executive Overview

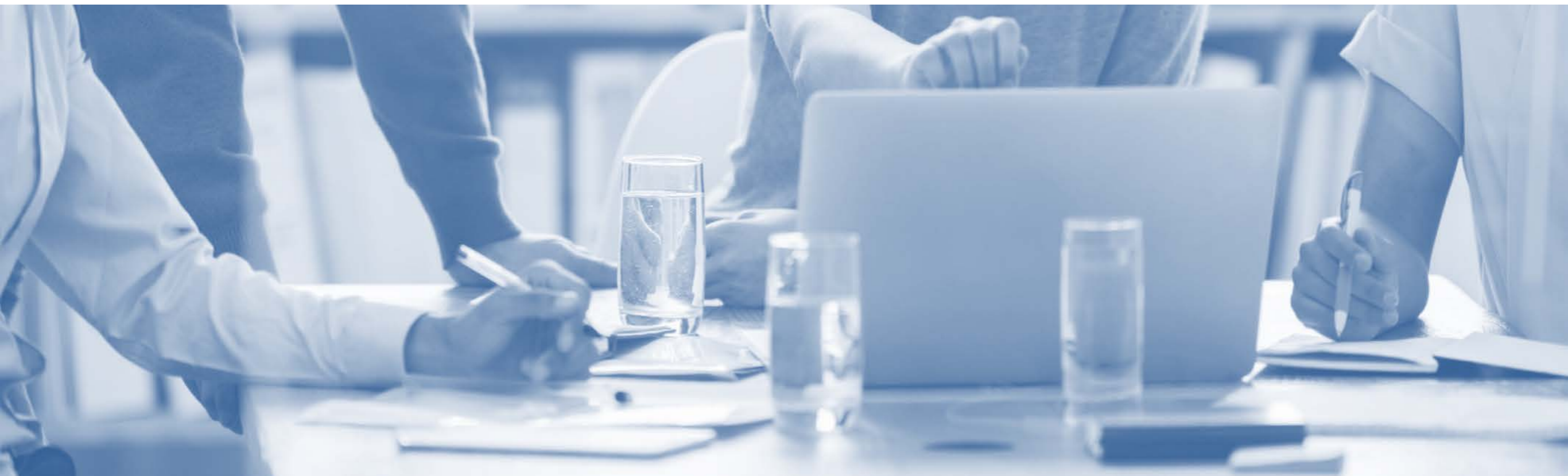
Intec currently has \$100 million in LOIs for customers looking for sustainable materials, products and packaging.

At Intec's 24,000 sq ft manufacturing facility, Intec is producing and shipping products weekly to its customers.





II. Intec's Market





INTEC BIOPLASTICS
INC.

OFFERS EARTHPLUS® PLANT-BASED SUSTAINABLE PRODUCTS AND PACKAGING

Intec has \$100 millions in LOIs.
Global Plastic Market is \$4 trillions
annually, of which \$800 billions is the US
Market.

The waste collection industry worldwide
revenue is \$2 trillions.

**Intec presently focus on the
following Markets**



FOOD SERVICE PACKAGING

Cup
Cutlery
Straw
Clamshell
Food trays

Injection Molding / Blow Molding
Thermoform / Extrusion



MEDICAL PACKAGING

Pills Bottle
Liquid Medicine Bottles
Biopsy Containers
Cups
Medical Trays
Bags

Injection Molding / Blow Molding



COSMETICS PACKAGING

Squeeze Tubes
Lipstick Tubes
Squeeze Bottles
Boxes
Compacts
Liquid Bottles
Bags
Lotions Bottles
Pumps

Injection Molding / Blow Molding



HOUSEWARE

Kitchen Products
Bathroom Products
Storage
Clothing Bins
Garage Products
Lawn Products
Brooms
Dustpans
Plant Pots
Gardening Products
Bags - (Storage/Trash)
Stacking Storage Trays
Storage Carts

Injection Molding / Blow Molding
Thermoform / Extrusion



TOYS

Frisbee
Spooner Exercise Board
Football Ball Games
Dolls
Building Blocks
Models
Outdoor Games
Skateboard Wheel

Injection Molding / Blow Molding
Thermoform / Extrusion



FOOTWEAR

Sandals
Soles
Shower Sandals
Beach Shoes

Injection Molding



AUTO PARTS

Liquid Reservoirs
Floor Mats
Interior Parts
Auto Fluid Storage Bottles
(oil bottles, windshield washer fluids,
break fluids, coolant liquids)
Cup Holders

Injection Molding / Blow Molding
Thermoform / Extrusion



CONSTRUCTION BUILDING MATERIALS & OUTDOOR FURNITURE

In ground rebar
Chairs
Tool Cases
Tool Handles
Vinyl Sidings
Paint Buckets
Construction Buckets
Bags

Injection Molding / Blow Molding
Thermoform / Extrusion



CANNABIS PACKAGING

Pre-Roll Tubes
Pre-Roll Case Dispensers
Bags
Jars

Injection Molding / Blow Molding
Extrusion



The
United
States
of
America

The Commissioner of
Patents and Trademarks

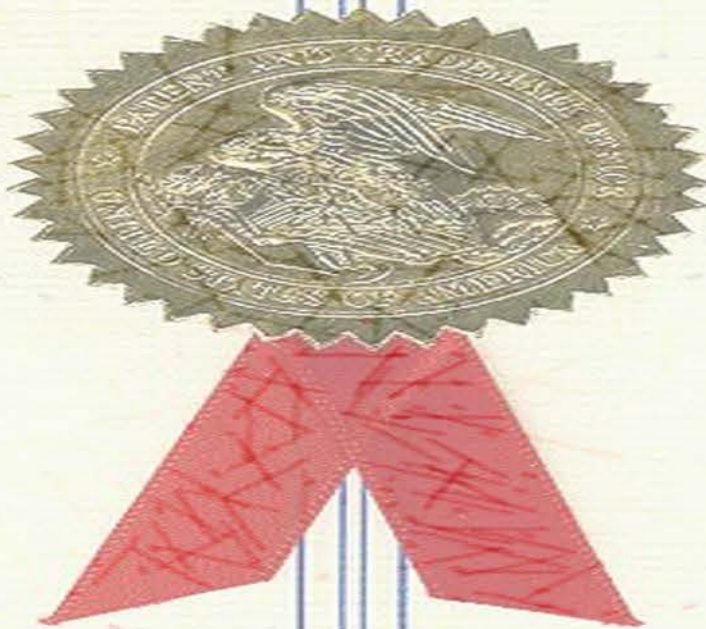
Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or im-

III. Patents & FDA -Title 21 Letter



patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

Bruce Lehman
Commissioner of Patents and Trademarks

Melvinia Gary
Attest

Investment Memorandum

U.S. Patents and Foreign Patents

1. U.S. Patent NO: US 11,149,131 B2
October 19, 2021
2. U.S. Patent NO: US 10,882,977 B1
January 5, 2021
3. U.S. Patent NO: US 11,414,533 B2
August 16, 2022
4. U.S. Patent NO: US 9,326,630 B1
May 3, 2016
5. U.S. Patent NO: US 9,994,437 B2
June 12, 2018
6. U.S. Patent NO: US 10,040,042 B2
August 7, 2018
7. U.S. Patent NO: US 10,259,699 B2
April 16, 2019
8. U.S. Patent NO: US 10,647,563 B2
May 12, 2020
9. U.S. Patent NO: US 10,647,564 B2
May 12, 2020
10. U.S. Patent NO: 10,912,959 B1
February 9, 2021
11. U.S. Patent NO: 11,027,961 B2
June 8, 2021
12. U.S. Patent NO: 11,292,706 B2
April 5, 2022
13. U.S. Patent NO: 11,261,073 B2
March 1, 2022
14. U.S. Patent NO: 11,331,550 B1
May 17, 2022
15. U.S. Patent NO: 11,697,725 B2
July 11, 2023
16. Republic of South Africa
Patent NO: 2019/07747
April 28, 2021
17. Federal Republic of Nigeria
RP. NG/PT/C/2019/4174
Patent NO: 004604
July 9, 2020
18. Patent WO 2008/027303 A3
19. 65 Patents Pending in 35 Countries
See List Under
20. U.S. Patent Pending Application NO: 18/334,315
June 13, 2023

Intec's Patented Resins (cont.)

Intec Bioplastics, Inc. holds four U.S. Patents and has 65 Patents pending in 35 countries



FDA Compliance Letter

Bergeson & Campbell PC has issued a (GRAS) letter stating that EarthPlus[®] is compliant with 21 C.F.R. Parts 175-178 Food Contact Safe

BERGESON & CAMPBELL PC 

March 3, 2023

Via E-Mail

Mr. Edward Showalter
Founder/ Chief Executive Officer
Intec Bioplastics, Inc.
2118 Wilshire Blvd
Suite 1175
Santa Monica, CA 90403

Re: FDA Evaluation of EarthPlus[™]

Dear Mr. Showalter:

As you requested, The Acta Group (Acta[®]), the consulting affiliate of Bergeson & Campbell, P.C. (B&C[®]), evaluated the regulatory status of the components of Intec Bioplastics, Inc. (IBI), product EarthPlus[™] (EarthPlus) under the food contact regulations as administered by the U.S. Food and Drug Administration (FDA).

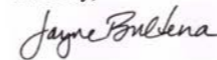
We understand that IBI formulates variations (*i.e.*, master batch resins) of a product, EarthPlus. Acta provided a comprehensive and confidential memorandum of the evaluation of each component on April 16, 2020. The intended use of EarthPlus is as an article or as a component of an article that is intended for use in contact with food. The applications include films, injection, and blow-molded products for use in holding food. EarthPlus is not intended to have or impart a technical effect on or in the food.

EarthPlus is a formulated product that is intended to be used as an article or a component of an article that will contact food. EarthPlus is formulated with components that are stated to be compliant with 21 C.F.R. Parts 175 – 178 as indirect food additives, noted as generally recognized as safe (GRAS), or for direct use in food. B&C concludes that EarthPlus may be safely used as articles or components of articles intended for use in contact with food in accordance with 21 C.F.R. Section 177.1520 subject to the limitation noted in Paragraph (c) 2.2 and/or 3.2a.

This evaluation is based on statements and confidential formulation details provided to Acta. Any formulation, use, or supplier changes could alter this assessment. It is the finished food contact article manufacturer's obligation to conform to FDA regulations.

We hope this information is helpful. As always, please call if you have any questions.

Sincerely,



Jayne P. Bultena, Esquire

cc: Lynn L. Bergeson, Esquire (via e-mail)
Karin F. Baron, M.S.P.H. (via e-mail)

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IV. Key Technology Highlights



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EarthPlus® Bio-Resin Technical Data



- Intec Bioplastics, Inc. is a bio-resin engineering company that assists its customers to achieve their sustainability goals of net carbon footprint, net zero plastic and waste to landfills.
- Intec holds multiple U.S. Patents for bio-resins and has 65 patents pending in 35 countries.
- Intec has over 590 different EarthPlus® bio-resin formulas.
- Intec's EarthPlus® bio-resin can be used for products that are manufactured through injection molding, blow molding, thermoform, extrusion and roll molding processes. EarthPlus® is Intec's trademark bio-resin brand.

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- Intec's EarthPlus® bio-resin is biodegradable, compostable, and can be recycled with regular plastic.
- EarthPlus® bio-resins are FDA – food grade compliant.
- EarthPlus® can be used in traditional plastic manufacturing equipment.
- Intec has solved the plastic pollution issues as well as plastic recycling collection problem through our ESSF™ patented technology.
- Intec uses independent laboratories to test EarthPlus'® biodegradability timelines.
- Intec EarthPlus® bio-resin is the most economically feasible priced bio-resin in the world.
- Intec's ESSF™ facilities are able to eliminate landfills worldwide.
- Intec's EarthPlus® bio-resin outperforms all existing bio-based and recycled materials in several categories ranging from cost to durability.
- EarthPlus® is able to be used in flexible packages or rigid products and packaging.
- EarthPlus® has a shelf life equal to regular plastic, and only biodegrades when it is in contact with earth, ocean, or fresh water like streams, rivers, and lakes. Microorganisms eat EarthPlus®, causing it to biodegrade.
- EarthPlus® is temperature tolerant, below zero or microwave heat stable.






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- EarthPlus® can be combined with PCR in compliance with global legislation.
- EarthPlus® bio-resin is available in a wide range of colors.
- Intec's 100% EarthPlus® blended bio-resins are PFAS free.
- EarthPlus® plastic recycling numbers can be 1 through 6.
- Intec's patented technology in mechanical and chemical plastic recycling is safe for our environment, as well as increasing our plastic recycling rates from 9.5% in 2023 to net zero plastic waste going to landfills at the ESSF™ facilities.



Intec Bioplastics Competitive Advantage

Intec's bio-resin outperforms all existing bio-based and recycled materials in several categories ranging from cost to durability

BIO-BASED	 EarthPlus® EARTHPLUS®	 PLA	 PHA	 ECO VIO®	 GREEN PE
PERFORMANCE					
100% BIO-BASED	✓	✓	✓	✗	✗
BIO-COMPOSTABLE	✓	INDUSTRIAL	✓	INDUSTRIAL	✗
TEMPERATURE TOLERANCE	EXCELLENT	UNSTABLE & TEMP SENSITIVE	UNSTABLE & TEMP SENSITIVE	POOR	GOOD
COST EFFICIENT	✓	✗	✗	✗	✗

Favorable Government Legislation

Recently, both the California and U.S. government have passed significant legislation that will greatly encourage companies to use recycled materials

- California's Governor Gavin Newsom signed new legislation aimed at reducing plastic waste in the state which requires all plastic packaging to be recyclable or compostable by 2032
- This will force companies to abide by regulations and use a manufacturer who creates bio-degradable/compostable packaging
- The Inflation Reduction Act of 2022 marks a historical bill that aims to give tax credits and incentivize clean technology
- These laws will give companies such as Intec tax credits and force large companies to recycle their plastic



Biden to sign Inflation Reduction Act into law



Source: *New York Times*



V. Use of Proceeds



Investment Memorandum

Reg. D Funding

Intec Bioplastics, Inc. will file a Reg. D to raise up to \$10 million in capital in 2024.

- Reg. D Funding up to \$10,000,000.
- Investors will receive 1 share of Intec common stock for every \$1.00 invested.
- Investor will also receive a 5X Factor on their investment paid on a quarterly basis from a 2% top line revenue. The 2% royalty will be paid as a collective to the Reg. D Investment Group

Example: \$25,000 investment 5X return is \$75,000

- Intec currently has \$100,000,000 worth of LOIs.
- Intec's projected revenue for 12 months could be \$129,830,000 with \$10 million in funding.
- Intec is hoping to file an IPO on NASDAQ within the next 3 years.
- Intec is currently shipping product to customers every month.

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Reg. D Funding Use of Proceeds

Production Equipment	\$1,000,000
Thermoform High Speed Cup Line	\$2,000,000
Five Injection Molding lines	\$400,000
Two Blow Mold Lines	\$200,000
Five Extrusion Compounding Lines	\$500,000
One Thermoform Sheet Line	\$500,000
IP, Patents, Trademark	\$390,000
Legal	\$175,000
Reg. D Cost and Marketing	\$500,000
Materials	\$500,000
Equipment Installation - Engineering	\$375,000
Molds	\$200,000
General & Administrative	<u>\$3,335,000</u>
TOTAL	\$10,000,000



VI. Financial Projection



Investment Memorandum

INTEC – Revenue/Cost/Markup

Production Facility

Revenue – Thermoform High Speed Cup Line

1.2 Million Cups a Day x 340 Days = 288 Million Cups	12 Months
Thermoform Cups and Food Service Products Revenue	\$50,000,000
Cost 56%	\$28,000,000
Markup 44%	\$22,000,000

12 Months

EarthPlus® Bio Resin Revenue - 5 Extruders	\$60,690,000
Cost 67.2%	\$40,783,600
Markup 32.8%	\$19,906,400

Six - Injection Molding Projects Revenue	\$5,355,000
Cost 56%	\$2,998,800
Markup 44%	\$2,356,200

Four - Thermoform Lines	\$12,000,000
Cost 60%	\$7,200,000
Markup 40%	\$4,800,000

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Two - Blow Molding Projects Revenue	\$1,785,000
Cost 56%	\$999,600
Markup 44%	\$785,400

INTEC – Revenue/Cost/Markup

Production Facility

	12 Months
Revenue	\$129,830,000
Cost 61.8%	<u>\$79,982,000</u>
Markup 38.2%	\$49,848,000

Investment Memorandum

\$10 Million Raise

	Revenue	Year 1
Revenue		
EarthPlus® Bio Resin Revenue		\$60,690,000
Custom Injection Molding Revenue		\$5,355,000
Thermoform Products		\$12,000,000
Thermoform High Speed Cup Line		\$50,000,000
Blow Mold Bottles		<u>\$1,785,000</u>
TOTAL Revenue		\$129,830,000
COST		
EarthPlus® Material Cost		\$33,647,250
\$0.9425 per pound 35,700,000 LBS		
EarthPlus® Production Cost		<u>\$7,140,000</u>
EarthPlus® Bio Resin Total Cost		\$40,787,250
COST		
Injection Molding Products Cost		\$2,998,800
Thermoform Line Products Cost		\$7,200,000
Blow Molding Bottle Line Cost		\$999,600
Thermoform High Speed Cup Line Cost		<u>\$28,000,000</u>
Product Lines TOTAL COST		\$39,198,400

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\$10 Million Raise

TOTAL Products Manufacturing Cost	61.6%	\$79,985,650
General & Administrative	5%	\$6,491,500
IP Royalty	7%	\$9,088,100
Investor Royalty	4%	<u>\$5,193,200</u>
<hr/>		
TOTAL COST		\$100,758,450
EBITDA	22.4%	\$29,071,550

Revenue

Year 1

TOTAL Revenue		\$129,830,000
TOTAL Products Manufacturing Cost	61.6%	\$79,985,650
General & Administrative	5%	\$6,491,500
IP Royalty	7%	\$9,088,100
Investor Royalty	4%	<u>\$5,193,200</u>
<hr/>		
TOTAL COST		\$100,758,450
EBITDA	22.4%	\$29,071,550