closed loop plastics

Who are we?

Will Amos, Co-CEO
(Head Talker)

Aldrin Lupisan , Co-CEO
(Tech Evangelist)

Sharon To, CTO
(Tech Savant)

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Sustain OC | Erick Wolf,
CEO
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Managing Director
of BD-
Office Depot | Mark
Richardson,
Engineering
Consultant,
Series One LLC |

Big Problem

Our world is filled with plastic pollution...

Los Angeles Times

The Great Pacific Garbage Patch counts 1.8 trillion pieces of trash mostly plastic

By AMINA KHAN | MAR 22, 2018 | 10:25 AM

goats and soda STORIES OF LIFE IN A CHAN

ENVIRONMENT

China Has Refused To Plastics. What Now?

Including Plastics in Trump's Infrastructure Plan

Share:

Tue February 20, 2018

On February 5, the Trump Administration released its long-anticipated infrastructure initiative entitled the *Legislative for Rebuilding Infrastructure in America*. The plan proposes spending $200 billion in direct federal funds as seed money to spur $1.5 trillion in total spending from state, local and private sources over ten years. The $200 billion would be distributed through various programs specified in the initiative including an Infrastructure Incentives Program, a Transformative Program and a Rural Infrastructure Program. The plan also calls for streamlining the federal permitting process to reduce delays and costs while encouraging private investment.

While the likelihood of the proposal becoming law in its current form is low, it does provide an opportunity to continue discussions with Capitol Hill on issues directly impacting the plastics industry. The inclusion of water infrastructure improvements in the plan poses a great opportunity for PLASTICS continued efforts to include open competition f...

CNN | World | U.S. | Politics | Money | Entertainment | Tech | Sport | Travel | Style | Health | Video | VR | Live TV | International Edition

Great Pacific Garbage Patch now three times the size of France

By Marian Liu, CNN
Updated 1810 GMT (0210 HKT) March 23, 2018

News & buzz

National Sword and China's Restriction on the Import of Recyclable Material

National Sword and International Scrap Import Restrictions

The export of baled recyclable materials is a key component of California's recycling infrastructure. CalRecycle estimates that a third of all recyclable material generated in California annually is currently exported to foreign markets, and 62 percent of that goes to China. This movement of materials is critical for allowing the state and local jurisdictions to reach their recycling and diversion goals.

However, in July 2017, China announced a policy called National Sword, which limits the import of contaminated recyclable commodities and increases inspections of recyclable commodity imports. In October, the Solid Waste Association of North America issued a notification about the policy, which went into effect in March 2018. This policy change is already starting to have adverse impacts on California, and is resulting in more material being stockpiled at solid waste facilities and recycling centers or disposed of in landfills. In addition, changes in China's policies may have significant impacts on California's economy, as recyclable materials exported from California had a total vessel value of $5.2 billion in 2017, and on California's broader environmental goals.

In Mid-March 2018, China began the Blue Sky 2018 enforcement campaign to prevent the import...

Program News...

What do we do?

Public Services

- Recovery
- Recycling

Private Services

- Commercial recovery program
- Environmental consulting

Consumer/Retail Products

- End market opportunities
- Supply chain

Our first product

100% Recycled

Tight Tolerance

Made in USA

Competitive Pricing

The Context

In Document Printing

Document Printer → Paper + Ink → Printed Document
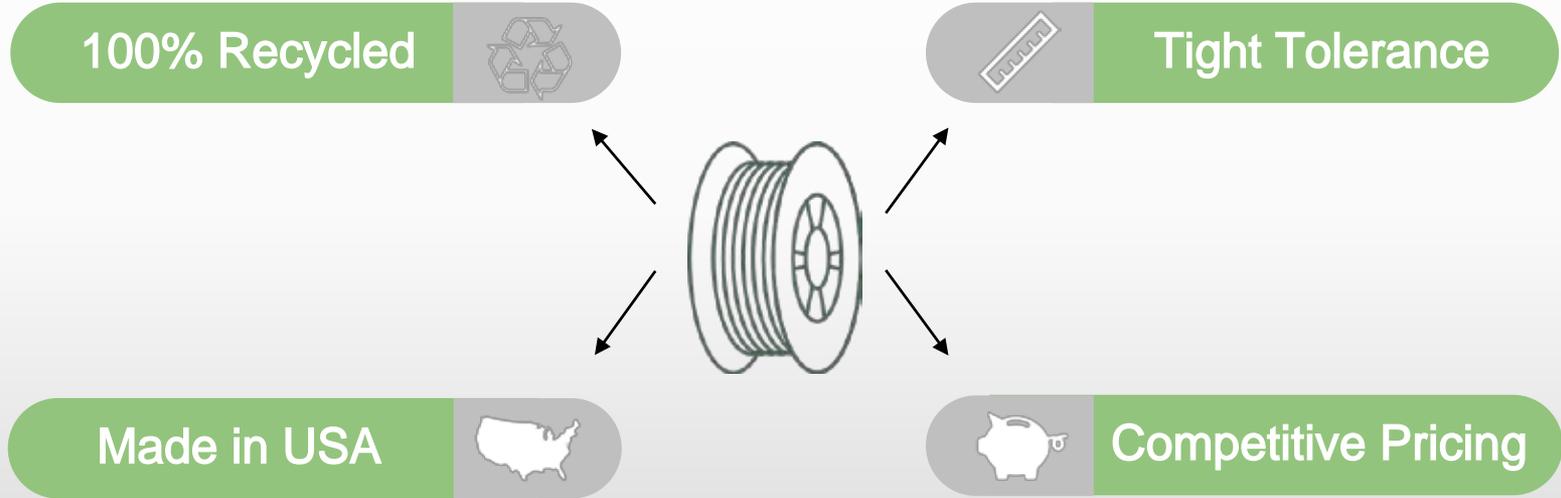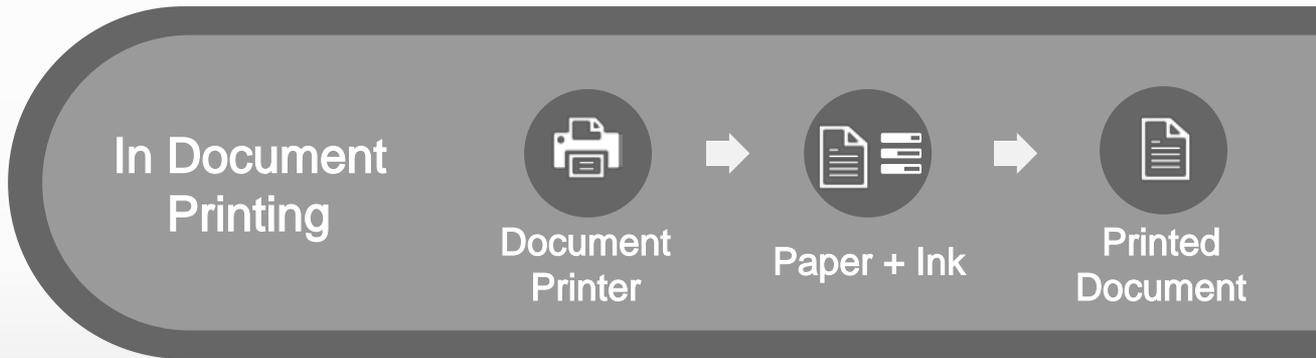
In 3D Printing

3D Printer → CLP Spool → 3D Object

Who do we sell to?

Waste Management

Total Addressable Market: $475 Billion (global waste management industry)

Served Available Market: $48.9 Billion (U.S. waste management industry)

Target Market: $2.93 Billion (recycling material)

Recycling Facilities

Total Addressable Market: $37.6 Billion (global recycling facilities market)

Served Available Market: $6 Billion (U.S. recycling facilities market)

Target Market: $2.27 Billion (recovery and processing)

End Market (Filament)

Total Addressable Market: $218 Million (global filament sales)

Served Available Market: $87 Million (U.S. filament sales)

Target Market: $30 Million (edu. sector sales)

How do we make it?
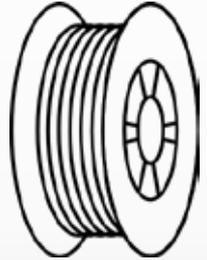
Intake

Size
Reduction

Decontamination
& Cleaning

Drying

Extrusion

Packaging

Intake

Processing
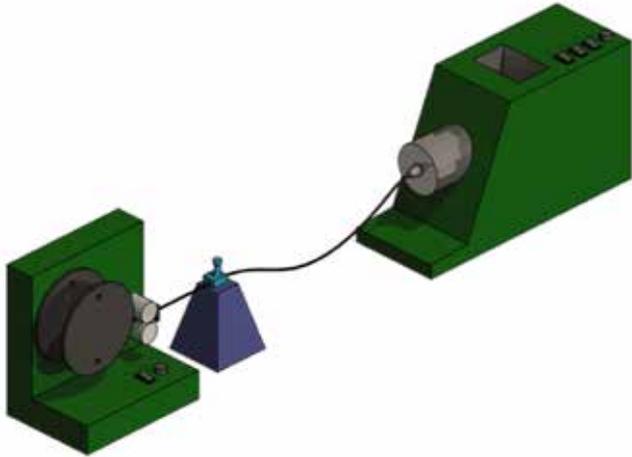
Materials

New Developments

Concluding statement

- We **NEED** to improve recycling infrastructure in the U.S. **NOW**
  - Funding from federal, state and local governments for <u>re-processing infrastructure</u>, not only <u>sorting</u>.
  - Create inclusive opportunities for mature companies AND startups to help create a comprehensive recycling space.
  - Granting and VC community is largely uninterested, so it lies within our municipal systems to fund the next era of waste management.

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Making plastic pollution, the solution.