

Single-use Consumables... a Cost and Climate Problem

The life science and healthcare industries are so dependent on single-use technologies that these materials account for more than 75% of the total waste stream and are the largest source of carbon emissions.

>200



Megatonnes of CO₂E from
global biotech each year

>12



Billion lbs of single-use
plastic waste

40%



Total emissions attributable to
'procured goods & services'

Polycarbin Closed-Loop Solutions

Polycarbin's Platform

From benchtop to bin, and back again, Polycarbin transforms your waste into low-carbon lab products and ISO compliant sustainability data



Recycle

Collect recyclable plastic from biopharma & life science co's through strategic waste hauling partners



Re-manufacture

Provide Closed-Loop Resin™ to brands throughout the Life Science industry to deliver circularity



Report

Transform customer recycling data into ISO-compliant sustainability metrics on our Carbin Counter™ Dashboard

The Polycarbin Difference



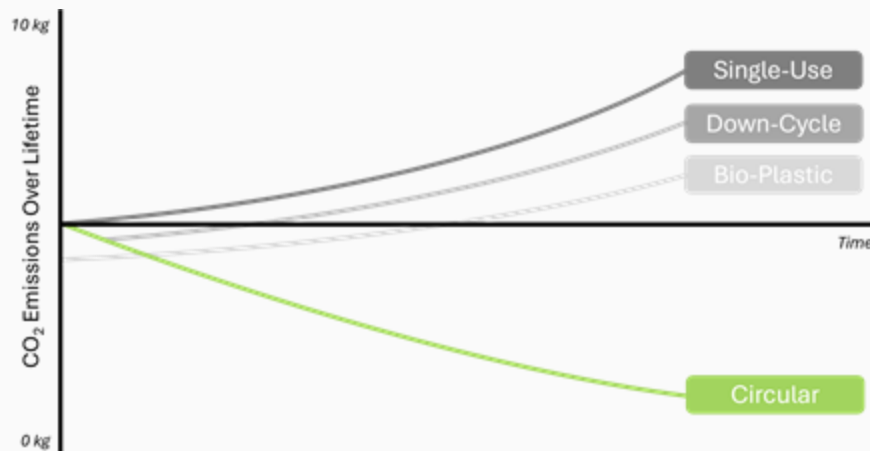
The most sustainable solution for single-use consumables.



The most cost effective alternative to landfill.



The most comprehensive data platform in the market.



Polycarbin Closed-Loop Solutions

The Carbin Collection

Recycle and circularize your single-use laboratory products
with Polycarbin's suite of mailback boxes



Polycarbin's pre-printed labels
allow for easy, two step circularity

POWERED BY
POLYCARBIN 

Polycarbin Recycling Services

PPE



EPS



Lab Plastics



Nitrile Gloves



Expired Goods



Glass



Flex Packaging



Polycarbin Closed-Loop Solutions

CORE Services

Scale your impact with Polycarbin's most cost effective and carbon efficient recycling service



- Aggregation & Processing
- Extrusion & Compounding
- Product Manufacturing

CORE+ Remediation & Recycling

A Powered By Polycarbin Service

Bioprocessing Bag

- Multi-layer film
 - Polyethylene
 - Oxygen barrier
 - Nylon/Polyester

Associated Parts

- Silicone tubing
- TPE tubing
- BPC support rods
- Clamps
- Probes
- Aseptic connector

Filters

- PP / HDPE
- PFTE



CORE+ Remediation & Recycling

A Powered By Polycarbin Service

Collection – Polycarbin deploys FDA-compliant sharps containers onsite for the collection of used pipette tips.

Transportation – Filled containers are picked up by DOT-certified, regulated medical waste haulers in coordination with Polycarbin.

Decontamination – Material is processed at permitted treatment facilities and subjected to sterilization reaching 6-log microbial kill.

Reclassification & Recycling – Once decontaminated, material is rendered non-hazardous municipal solid waste and redirected into Polycarbin's Closed-Loop supply chain.

Impact Tracking – Customers can monitor their environmental impact in real time via the Carbin Counter™ platform.



CORE+ Remediation & Recycling

A Powered By Polycarbin Service

Envetec

A self-contained, on-site device that simultaneously shreds and chemically treats biohazardous waste to render it non-infectious and landfill-ready.



Autoclave

A high-pressure steam sterilizer used to decontaminate laboratory waste, equipment, and media by exposing them to elevated temperatures.



Sterilis Solutions

A compact, point-of-use system that grinds and heats regulated medical waste to convert it into non-hazardous confetti-like material for safe disposal.



Polycarbin Closed-Loop Solutions

A Local Solution to a Global Problem

Polycarbin now services all of North America and the UK with its network of regionalized Aggregation & Processing hubs helping customers save on cost and carbon



The Contiguous U.S.



Canada



The United Kingdom

Who is Designing for Circularity?

Polycarbin works with the largest life science product manufacturers in the US to divert single-use consumables from landfill and reduce the carbon impact of innovation.



The Closed-Loop Collection & Beyond

In collaboration with brand partners, Polycarbin has catalyzed an industry wide movement to bring circular resin into low-carbon lab product manufacturing supply chains

The labcon logo, featuring the word "labcon" in a teal, lowercase, sans-serif font, with a registered trademark symbol (®) to the upper right.The NOVAS BIO logo, featuring the word "NOVAS" in black and "BIO" in red, with a colorful circular icon to the left. Below the text is the tagline "BECAUSE SCIENCE" in a smaller, black, sans-serif font.The BECKMAN COULTER logo, featuring a red circular icon with a white stylized 'S' shape inside, followed by the words "BECKMAN" and "COULTER" in a black, sans-serif font.



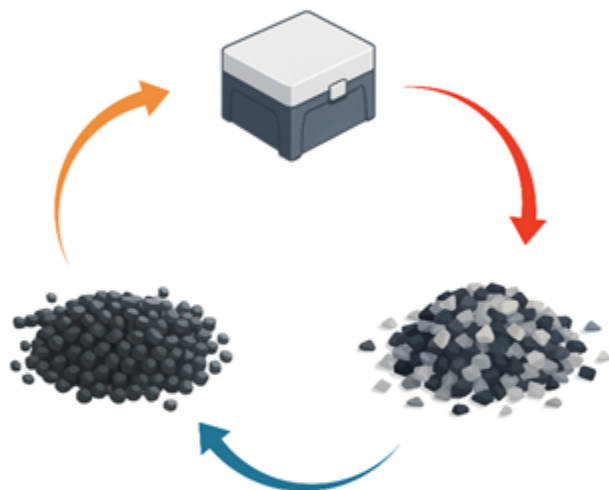
A Closed-Loop Solution

Every piece of plastic you recycle with Polycarbin helps power renewable, high-quality products manufactured by Novas Bio.

By purchasing Novas Bio's **re-Think™** series of pipette tips, you:

- ✓ **Reduce Your Impact** — reduce your carbon, fresh water, and fossil fuel impact
- ✓ **Save On Sustainability** — your consumables budget becomes your sustainability budget
- ✓ **Track & Report** — track your impact with Polycarbin's **Carbin Counter™** dashboard

[Learn More Here](#)



Catalog Number	Volume	Description	Pack	Case
FT-10XL-R-S	10µL	Pipette Tips, Filtered, re-Think™ Racked, Pre-Sterilized	96 Tips / Rack x 10	5 Packs
FT-20-R-S	20µL	Pipette Tips, Filtered, re-Think™ Racked, Pre-Sterilized	96 Tips / Rack x 10	5 Packs
FT-200-R-S	200µL	Pipette Tips, Filtered, re-Think™ Racked, Pre-Sterilized	96 Tips / Rack x 10	5 Packs
FT-1000XL-R-S	1000µL	Pipette Tips, Filtered, re-Think™ Racked, Pre-Sterilized	96 Tips / Rack x 10	5 Packs

Evidence-Based Sustainability

Polycarbin's *Carbin Counter™* customer dashboard is a data platform for tracking key sustainability metrics and is powered by a 3rd party LCA



POLYCARBIN

Thank you!

For more information, please
contact us, visit polycarbin.com,
or follow us on social media.

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