

REGEN SYSTEM PROPOSAL

The Ultimate Solution for Mixed Plastic & Garbage Waste

Our Vision & Mission

Value

Cleaning up the Earth while helping Humanity.



To be the pioneers in plastic waste regeneration technologies.



To efficiently and safely regenerate mixed plastic waste from the earth while making everyday life more sustainable.



Overview

The Regen System regenerates plastic garbage and mixed dry waste through shredding, grinding, dehydrating, and melting. The mixture is then formed into small pellets. This process significantly reduces the size and allows for repurposing of materials into new fully customized 3D printed or molded items.

Features & Benefits

- Ability to regenerate all "un-recyclable" and "non-disposable" plastic waste
- Very little sorting and cleaning of items
- Fast, safe, efficient, and easy to operate
- Creates additional revenue streams for licensees
- Everything gets completely sterilized for safe repurposing
- Airtight design with carbon filters for the health and safety of operators/employees

Design

- Housed within a shipping container sleek outside design with ability to add your logo
- Easy to load and unload for moving and long haul transportation
- Carbon filter ventilation for safety when heating PLA and other materials
- Secure in-take so no hands or limbs can get pulled inside
- Maximum shredding and crushing power for efficiency
- Easy to operate and simple to empty bin for pellet output and removal





What Can Be Regenerated

- Plastic clamshell food containers with or without food residue
- Plastic cups, straws, lids, buckets, coffee grounds, tea bags
- Plastic & reusable bags, plastic gloves, face masks
- Decorative wrapping paper, plastic packaging
- Styrofoam & other types of foam, insultation
- Cardboard, paper, stickers, tape, straps
- Wood, wood chips, dust, sand, grain, hay
- Silage bags, twine, rope, old leather
- Fibres, fabric, hair, fur, dry manure

What Can't Be Regenerated

- No metal allowed unless it's tin foil or very thin
- No rotten items, soiled diapers, or very wet materials allowed
- No solid chunks of materials like concrete, rocks, glass, bones
- No hazardous, corrosive or toxic waste materials or liquids
- No illegal substances

Note: Plastic is used as the binding agent to secure everything in the mixture together. As long as the dry waste materials can be ground down to a fine dust or small sand like grain it will work. As we test and perfect the system we will figure out what works best and create an even more specific list.





1. Mixed Plastic Waste

The mixed plastic waste is fed into the Regen System intake. Little to no preparation work is required.

2. Regeneration

This process is a combination of shredding, mixing, and heating. This reduces the size and completely sterilizes everything. It will all be done in an airtight container with proper ventilation for optimal safety.





3. Pellets

Next everything is formed into small pellets and then cooled off for removal and repurposing.

4. 3D Printing

Lastly, the pellets can be used for 3D printing items such as fence posts, horse jumps, chairs, tables, garbage cans, stepping stools, infill/insultation, and fully customed designs.





Our team has a unique and diverse skill set ranging from 3D printing, design, engineering, metal work, business marketing, product development, and technology.

Wave of the Future 3D Printing is the home base for the QFT Co-op. Wave of the Future 3D has been in business for over 6 years and holds 2 Guinness World Records for the largest indoor 3D print and the first full sized 3D printed RV camper. They have successful 3D printed a car, a plane, a motorcycle and their patents have won awards such as the Duck Foot combine attachment at the 2018 Farm Progress Show. Their experience and success speaks for itself making the Regen System an opportunity of a lifetime.



About The QFT Community

Who We Are

The QFT Community Service Cooperative is a newly formed non-profit co-op that is focused on cleaning up mixed plastic waste from the earth in an environmentally friendly and efficient way.

We chose this cooperative set up because it allows for multi-business collaboration with a membership structure where all money coming in will be re-invested into technology projects.



Get Connected With Us

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