



***Does your organization have a Sustainability
program with a goal of zero-waste?***

We may be able to help!



701 Waverly Street
Framingham, MA 01702

(888) CONIG - 25

www.conigliaro.com/canitbe.cfm

www.conigliaroblock.com/environment.cfm



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Conigliaro Industries helps business organizations reach their sustainability goals by attacking the last 10-20% of their waste stream.

Unlike traditional recyclers that focus on straightforward waste streams like corrugated cardboard and metal, we specialize in recycling difficult wastes. For example, we recycle:

- Mixed plastics
- Complex multi-part, multi-material devices
- Plastic Films and Foams
- Glass (bottle, plate, Pyrex, porcelain)
- Rubber Membrane
- Industrial Polishing Dusts

If you have a unique material that comprises a measurable portion of your waste stream give us a call. We'll implement a customer-specific collection, transportation, processing and recycling program for your unique waste.

We even close the loop with some unique waste streams by making new recycled-content products right at our facility in Framingham, Massachusetts. Call today for further information!

**A focus on difficult and
unique waste streams –
now handling 150
different materials**

**We are not consultants –
we use our expertise to
set up long-lasting
recycling programs that
work!**

**Currently serving large
manufacturers across
the country**

**Our in-house dismantling
shop tackles items
requiring manual or
mechanical separation
before recycling**

**We've successfully
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since 1990!**



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Case Study: Medical Device Polishing Dust

Conigliaro Industries was approached by a major medical device manufacturer with a challenge – how do you recycle tons and tons of dust generated during the polishing of various medical devices?

Conigliaro Industries received samples of the material and went to work. Our team of engineers used the dust to develop various concrete mix designs. After extensive testing, we determined the best mix and developed a new line of concrete retaining wall blocks using a percentage of the dust to replace a portion of the stone aggregate.

Next, we set up a program to receive and process the material into our concrete products production facility and began manufacturing “DustCrete” retaining wall blocks which have been successfully marketed, sold and placed into service throughout New England.

The result? In just the first four months of the program, we received, processed and recycled five tractor trailers of polishing dust weighing close to 100 tons. And we are just getting started!

This material had previously been landfilled so every ton recycled moves them closer to their sustainability goal of zero waste!

*DustCrete retaining wall
block manufactured by
Conigliaro Block*



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Case Study: Plastic Utility Pipe

Conigliaro Industries was approached by a major Utility company to help them recycle their toughest waste stream – used plastic utility piping.

The challenges were many. How do you handle pipe of widely varying lengths, thicknesses, colors and diameters? Pipe that in many cases is dirty and weathered after being buried for years.

The pipe has valves and other devices attached made from different materials. Lastly, it is made from a unique plastic and is generated across geographically separated areas of the State.

Our team developed ways to handle each of the challenges outlined above and set up a program to collect, transport, receive and process the material using a combination of cutters, grinders, shredders and a baler.

The result? We prepare the material in a form that is acceptable to finicky plastic end-markets. The program has successfully operated for many years. Annually, we recycle over 200 cubic yards of pipe from 4 different sites across Massachusetts and since program inception, we have recycled over 250 tons of material.



UHMW Plastic Pipe, mixed sizes, colors, diameters and densities

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Case Study: Defective Mattresses

Conigliaro Industries was asked by a bedding manufacturer to help them destroy and recycle 29 tractor trailers of defective mattresses.

Mattresses are inherently difficult to recycle. They are made with multiple materials all stitched together – felt, foam, fabric and steel springs. Each material can only be recycled if it is properly separated from the others.

Fortunately, they called the right company. Conigliaro Industries developed and opened the first commercial mattress recycling facility in the United States back in the year 2000 and we have recycled thousands and thousands of mattresses since.

Over the course of about 12 months, more than 4,000 defective twin, full, queen and king mattresses, equivalent to 29 tractor trailer loads of material, were removed from the marketplace and shipped to Conigliaro Industries for dismantling, destruction and recycling.

Our operators successfully separated the layers of each mattress and prepared the constituent materials for end-markets using a combination of cutters, shredders, a grapple and a baler.



Mattresses requiring dismantling, destruction and recycling

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Case Study: Medical Surgery Kits

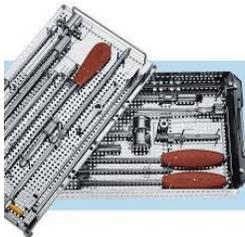
Conigliaro Industries was asked by a medical device manufacturer to help them destroy and recycle 250 pallets of recalled Surgery Tool Kits. The goal? Insure that the items were collected, destroyed and never again used in the marketplace.

The kits contained hundreds of parts made from twenty different materials all packaged in specialty tool kits. Even more challenging - the kits were geographically dispersed across the country.

Conigliaro Industries developed and executed a plan to move all 250 pallets to our secure dismantling and destruction shop located in Framingham, MA.

Upon arrival, the kits were dismantled and separated by material. Several materials required a special process to render them forever unusable.

Over the course of about 6 months, the kits were received, processed and recycled.



*Medical Surgery Tool
Kits*

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Case Study: Medical Gowns

Conigliaro Industries was asked by a medical gown manufacturer to destroy 10 tractor trailer loads of medical grade gowns. The goal? Ensure that the items were transported, destroyed and never used in the marketplace.

Approximately 6 gowns were packaged in a polybag, 5 polybags were contained in each case, 50 cases were stacked on each pallet and 26 pallets fit on each truck. That's a lot of gowns!

Conigliaro Industries developed and executed a plan to move the material to our dismantling and destruction shop located in Framingham, MA.

Over the course of about 2 months, the gowns were received and processed. Upon arrival, the gowns were depalletized, de-boxed and aggregated. The material was then sent to either a WTE plant to generate energy or to a pyrolysis facility for reprocessing into new plastic and fuel feedstocks. All the wood pallets, stretch wrap and corrugated cardboard cartons were recycled.



Medical Gowns

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www.destroyproduct.com

www.conigliaro.com



Case Study: Water System Filter Sand

How do you recycle used filter sand that filtered the municipal water supply at a drug manufacturing plant? Traditionally landfilled, this manufacturer was seeking a better, more sustainable option for the waste generated by their filtering processes.



Conigliaro Industries received a sample of the material and quickly determined that the material was clean and suitable as a concrete aggregate additive. The filter sand was blended with standard concrete sand as well as recycled aggregates such as crushed concrete, brick, porcelain and glass.



The aggregate blend was then used to manufacture Agg-Crete retaining wall blocks.

The result? This material had previously been landfilled so every ton recycled moves them closer to their sustainability goal of zero waste!

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Case Study: Glass Slides and Glass Trim Paste

How do you recycle close to 500 tons of borosilicate glass microscope slides and 300 tons of borosilicate glass trim paste produced each year by a major manufacturer? Traditionally landfilled, this manufacturer was seeking a better, more sustainable option for the waste generated during production.



Conigliaro Industries received samples of the material and went to work. The glass slides were mixed with bottle glass from municipal recycling programs and sent through our glass processing plant and screens, producing two 100% recycled products - Tumbled Glass Sand and Tumbled Glass Gravel.



The Tumbled Glass Sand was then used to make concrete retaining wall blocks. The Tumbled Glass Gravel was blended 50/50 with the glass trim paste to produce high quality recycled-content construction aggregates. The aggregates have been used in various construction projects across Massachusetts.

The result? To date we have received, processed and recycled 50 loads of glass slides and glass paste weighing close to 1,250,000 pounds. And we are just getting started! This material had previously been landfilled so every ton recycled moves them closer to their sustainability goal of zero waste!

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