

## Demacq Recycling International your partner for greening up the world!

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If your company is specialised in creating products from recycled thermoset composites, we would like to introduce us to you.

Demacq Recycling International can deliver a good quality thermoset composite recycle and a guarantee of constant availability.

### Demacq Design – New member of the family

- ✓ Furniture made with recycled thermoset composite and a shining finish.
- ✓ Endless possibilities, such as standing tables, desks, cupboards, meeting tables and benches.
- ✓ Weatherproof and extremely durable.
- ✓ In line with the circular economy.



Are you interested in our recyclate?  
Please feel free to contact us for additional information, a sample or a personal appointment.

### Contact for all locations:

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### Locations:

Demacq Recycling International B.V.  
and Demacq Design B.V.  
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The Netherlands



Demacq Denmark B.V.  
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Demacq SXM B.V.  
Plaza del Lago 7  
Simpson Bay  
Sint-Maarten



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# Recycling of Composites

Demacq Recycling International would like to make the world a bit greener together with you!  
 We have the capacity to fully recycle all hardened thermosets composites which come both from production waste and end-of-life / end-of-use waste.  
 What people see as waste, we see it as material for a new product. Through this, Demacq wants to create a greener world.

Every producer knows waste of misfires. Therefore, we will collect this waste and it will be processed by us into a new raw material which has numerous applications. For end-of-life / end-of-use products (consumer goods) also applies that the technical developments and its speed ensure that products are obsolete. For this reason, a responsible recycling method is required in order that the composite industry can keep continue with the development of new products. This creates public support.  
 Since we can recycle for 100%, this process can be applied endlessly. Altogether, it will create an environmentally friendly product.



## Creating a green product by 100% recycling – in a nutshell

For you as our supplier, we offer the possibility to responsibly recycle your hardened thermoset composite production waste and end-of-life / end-of-use products. Besides, you get to purchase a high quality recycled material which is suitable to create new products and made of the specific waste.



Demacq Recycling International is proud to be a part of this new project – the Dinzerbridgein Dokkum (Friesland, The Netherlands). In the beginning of 2018, our collaboration with Composite Structures has started. The result was a well-designed bridge with a recycled core. The material originated from used train parts made from thermoset composite.

## COLLECT



**We collect various types of hardened thermoset composites for recycling. Examples of end-of-life / end-of-use products are:**

- ✓ Rotor blades
- ✓ Aerospace parts and automotive parts
- ✓ Lock gates
- ✓ Boats and yachts
- ✓ Animal feed silos and barrels✓
- ✓ Tanks (water tanks, waste water tanks, fuel tanks and storage tanks)
- ✓ Pipes and profiles
- ✓ Construction products
- ✓ Sports goods

Because of large-scale recycling, we can offer our customers a consistent quality of recycle in multiple dimensions (such as dust or fibers).

## PROCESS



**We process the collected composites through our mechanical recycling method.**

Hardened thermoset composite production waste and end-of-life products are collected and transported in a logistically responsible way to a central location. To avoid wasting unnecessary energy, we start processing when we reach a specific efficient amount of hardened thermoset composite. With our method, there will remain several fractions of the waste, varying from dust to long-fiber. This makes it useful for various EU approved applications.

## RECYCLE



**The raw material is used for making new products.**

Since the beginning of 2017, old pleasure boats are being used in sustainable riverbank reinforcement at the Beatrix sluice in Almere, The Netherlands. Demacq Recycling International is proud to be part of this project. In Flevoland, collaboration has been established between University Windesheim and other parties. Together, they made new sheet piles for river bank reinforcement from old thermoset composite boats.

Usually the sheet piles for river bank reinforcement are made of tropical hardwood. By using raw material from old thermoset composite boats, it has become a valuable and useful raw material. A fine example of circular economy, no trees need to be cut down which saves the rainforest. In addition, this riverbank reinforcement is expected to last much longer than wooden shore protection which is better for the environment!