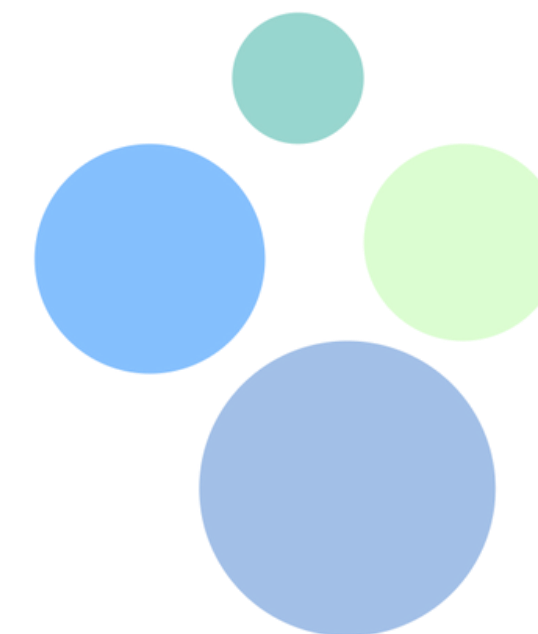




Filter2Less



Glass2mass team 1

Laura del Río, Marc Clascà, Luca Rosati, Arslan Nafikov, Gorka Pradas

Context →

" Every time we clean a piece of cloth, up to **700,000** microscopic **fibers reach the oceans**, are swallowed by marine life and enter the food chain "

" Almost **half of the microplastics** in the oceans come from the washing of **synthetic textiles** "



Consciousness comes when we see or touch the reality

Filters are the solution, but...

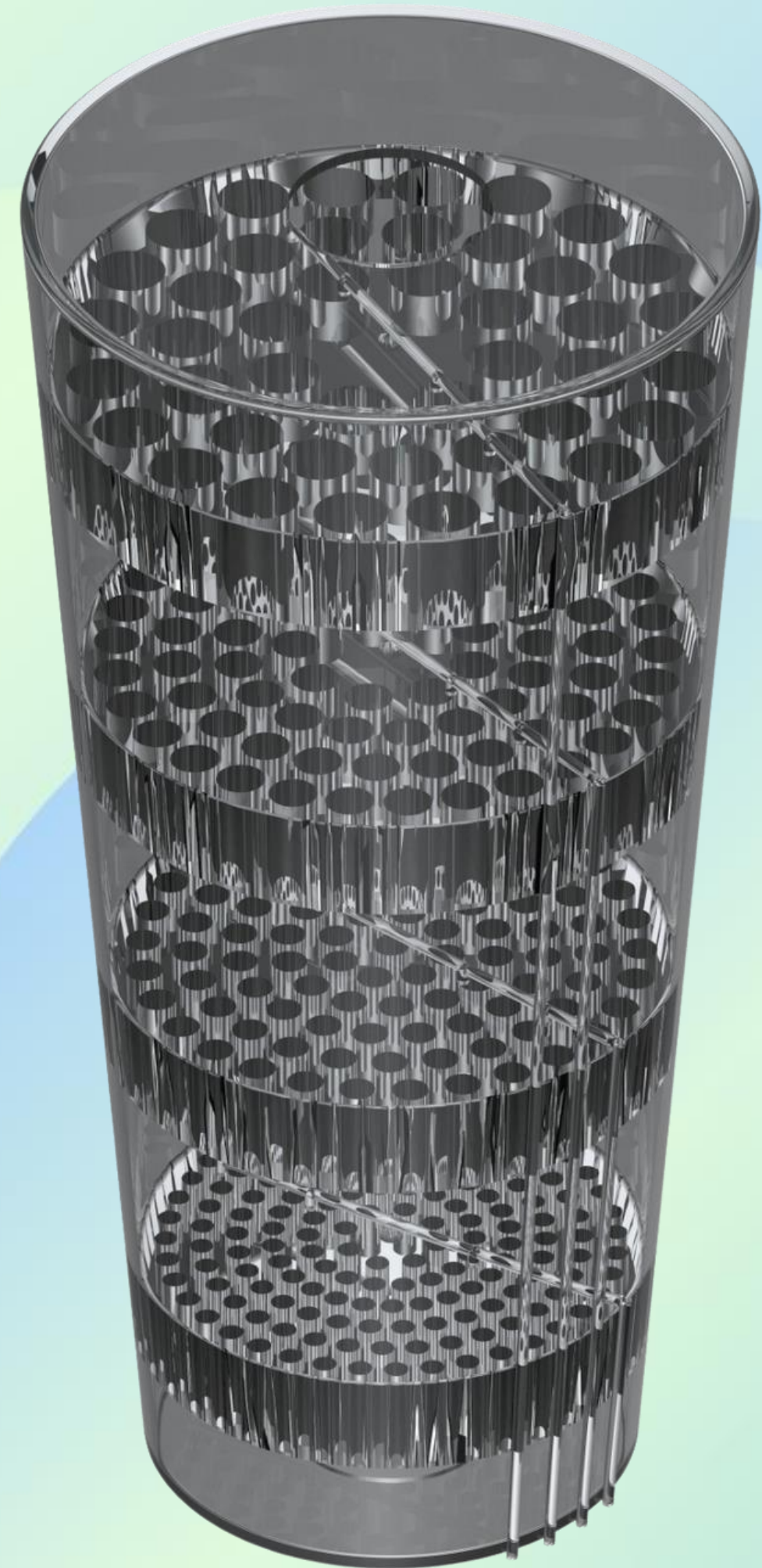
Current filters are made of plastic or paper

- Non - recyclable
- Prone to degradation
- Low temperature resistance
- Low chemical resistance

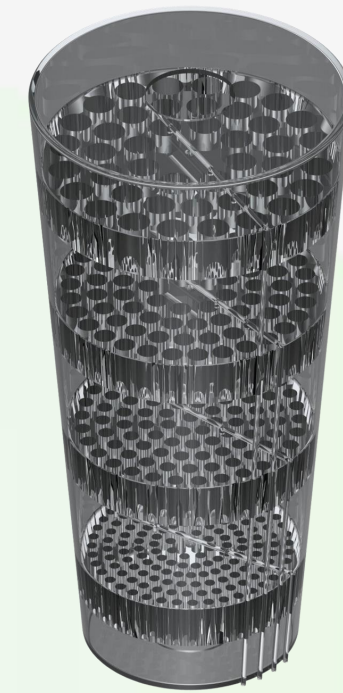
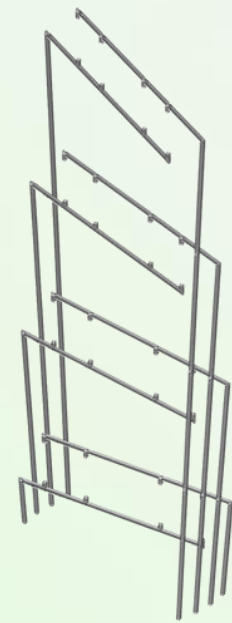
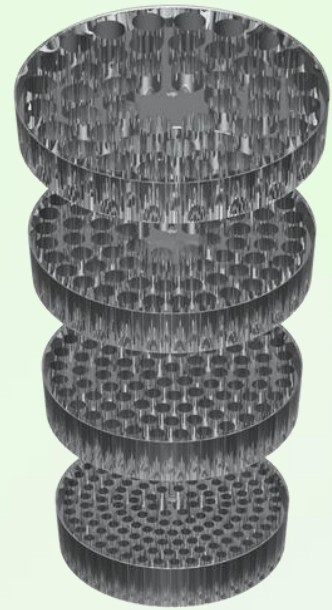


Glass filter + in-device microplastics diagnoser

- Increased filter durability
- Recyclable
- Filtration efficiency



Enabling characteristics



Precision glass filter

We can achieve down to 10nm pores with our fabrication process

Full optical properties

Our glass has full optical properties and transmits UV light. The device includes optical lanes to guide the light through the inner filters


One-piece fabrication

Because we can 3D print it, the filters and the enclosure can be printed as the same structure, making easier


Convenient and visible

It is small, easy to install and allows any small business and household to see their impact on microplastics

- Households
- Laundromats
- Small factories

 but we can imagine lot more...

Where our solution applies



Thanks for
your attention!