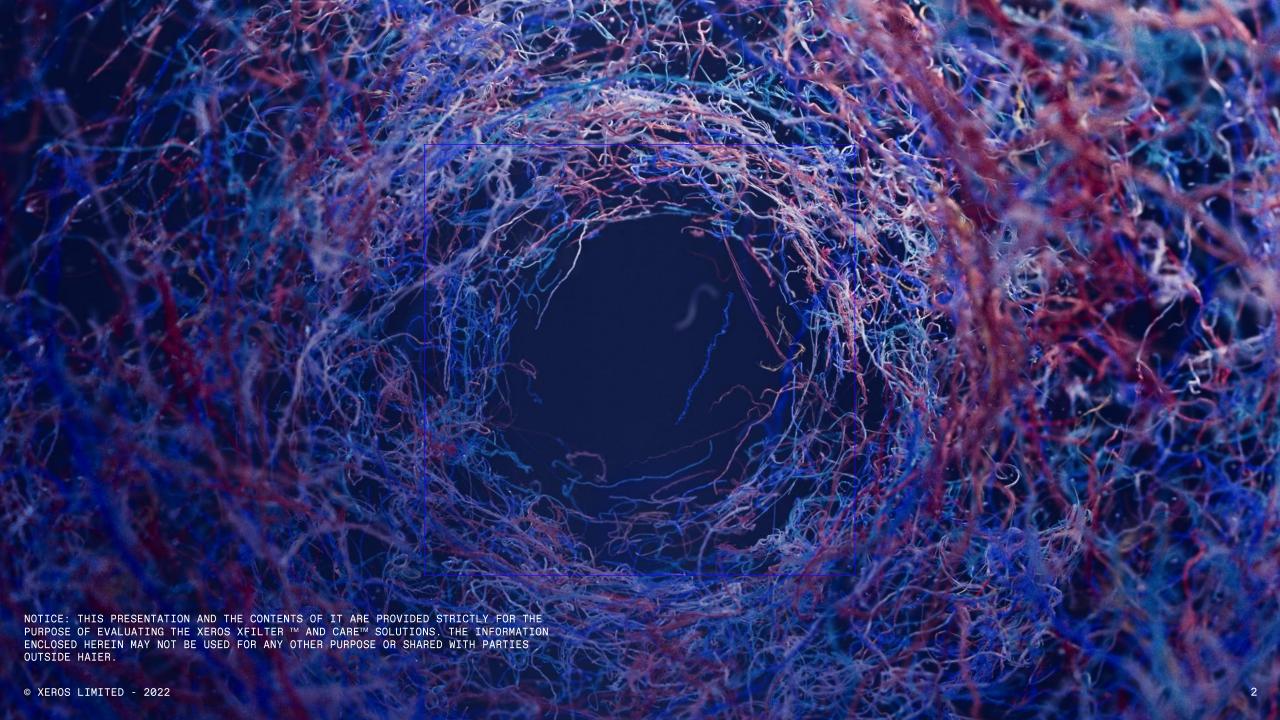


FILTRATION & BETTER GARMENT CARE



CONTENTS

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09-11. WORKING TOGETHER
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XEROS. TO THE POWER OF CHANGE

PLANET-FIRST SOLUTIONS



Today, we reduce the impact of clothing on our planet.

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Tomorrow, we rethink industry, helping conserve our ecosystem.

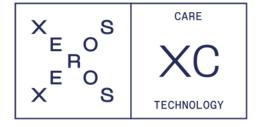
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TECHNOLOGIES

FILTRATION, CARE, FINISH







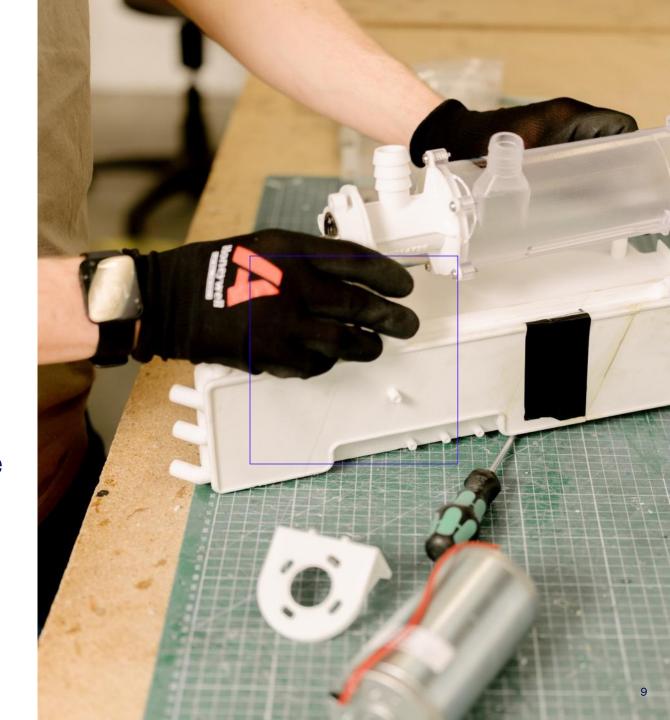
OUR PARTNERSHIPS

BRANDS, MANUFACTURERS, NGO'S, GOVERNMENT

At Xeros, we thrive on our partnerships in the public and private sectors.

We show what's possible, and our partners make it scalable. Through our technologies, we welcome a world of profound possibility.

Working together we can steer seismic change for people and the planet.



Our technology delivers against your mission to reduce the impact of clothing.

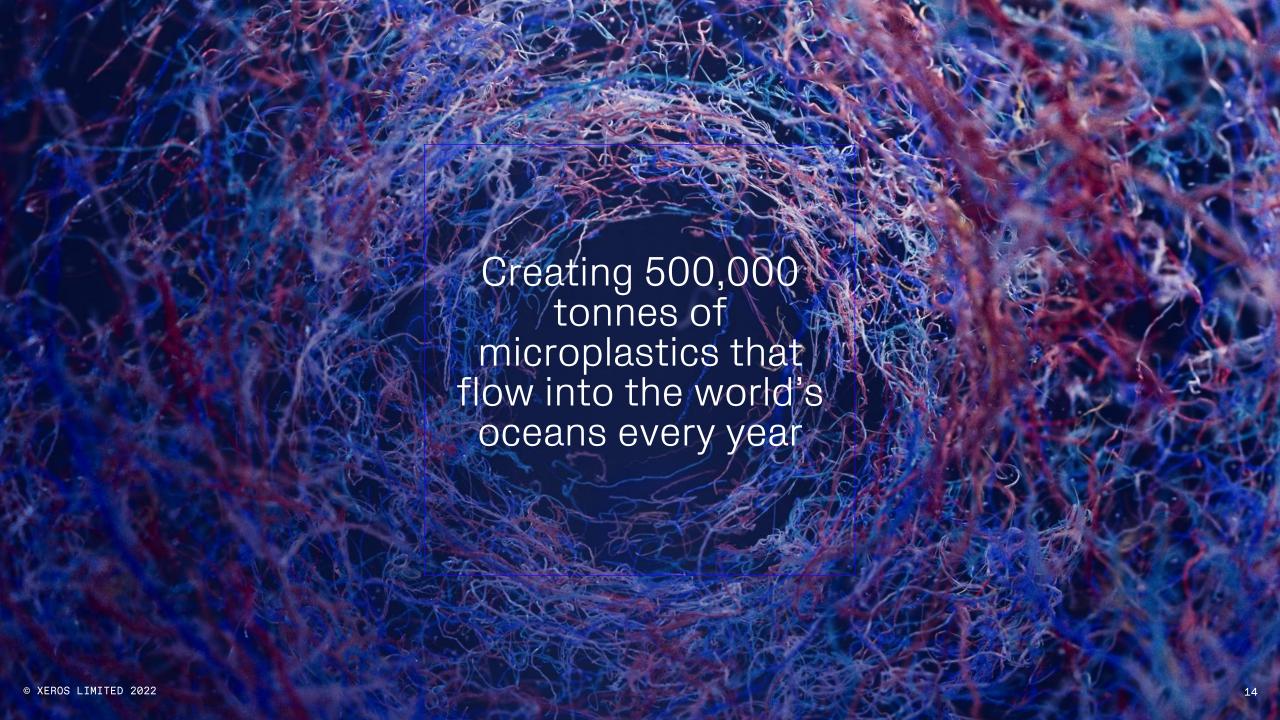
Let's make a change together.

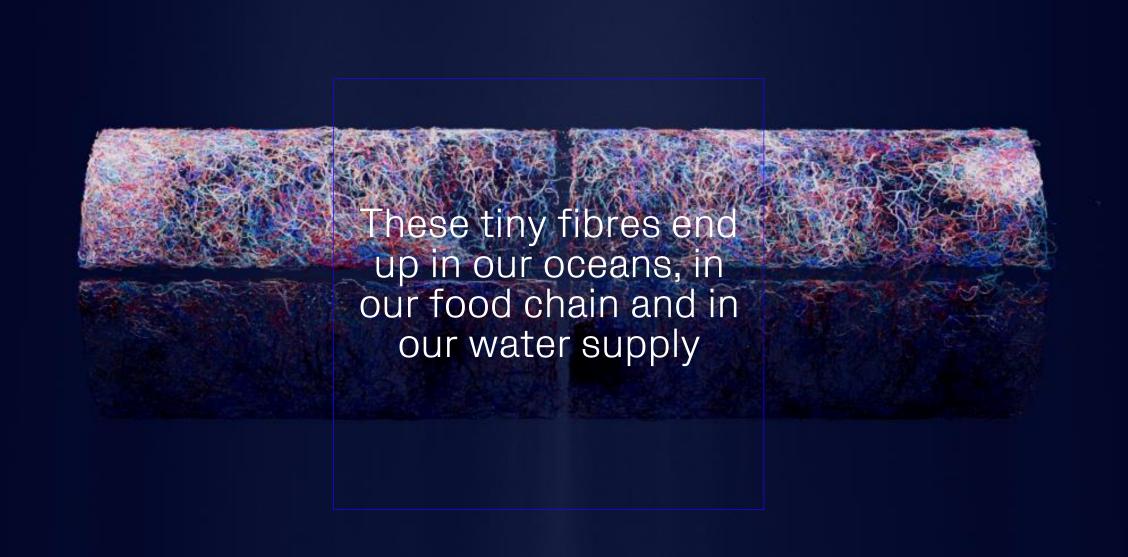
FILTRATION

STOPPING MICROFIBRE RELEASE FROM GARMENTS

An average of 700,000 microfibres are shed from our clothes with every wash







35% of microplastics in the ocean are from our washing machines.

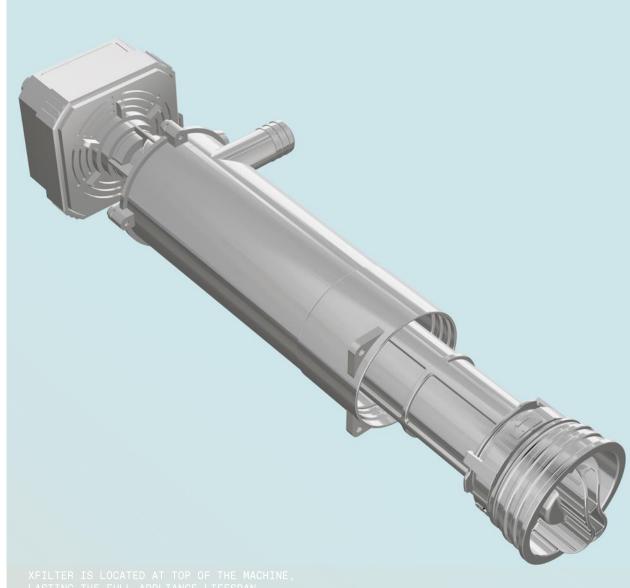
We innovated a solution.

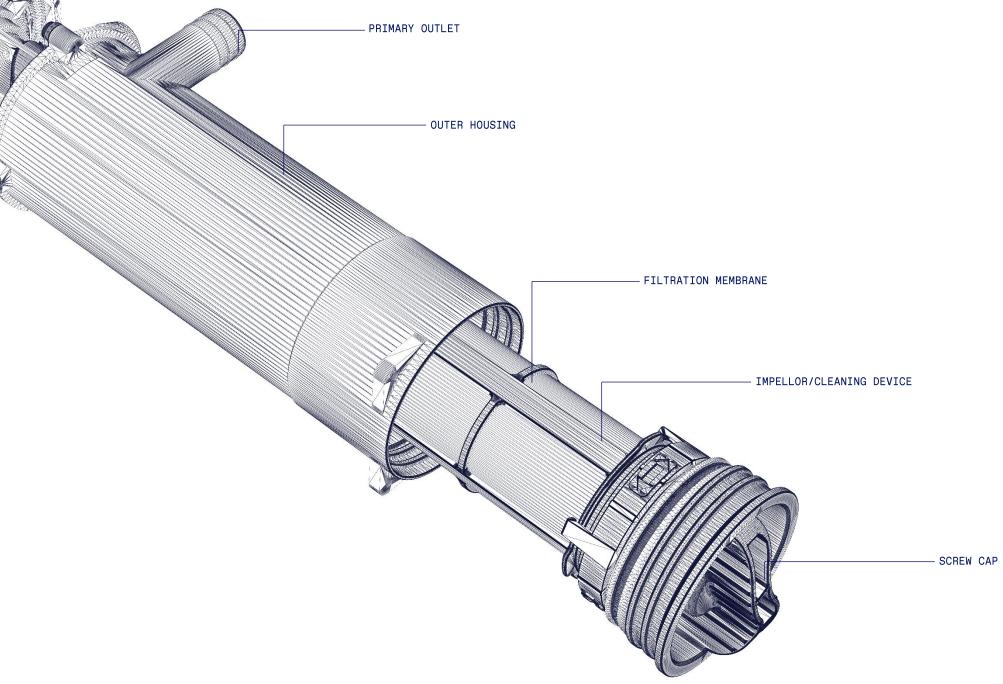
INTERNAL FILTRATION

XFilter is designed to capture all types of microfibres and microplastics whilst lasting the lifetime of the machine.



LOWEST LCA ENVIRONMENTAL IMPACT VS THE % OF FIBRES CAPTURED





X S S FILTRATION X F1 X F1 X F1 TECHNOLOGY

HUMAN CENTRIC EXPERIENCE

Design principles meet the recommendations from the University of Antwerp study from 2020*

- Sited at the top of the washing machine for easy access.
- Minimal emptying frequency, ability to be sensor controlled to alert user.
- Continued rotation after water has passed through dehydrates filtride.
- Pepper grinder action enables user to empty contents directly over their waste bin.
- No replacement parts.

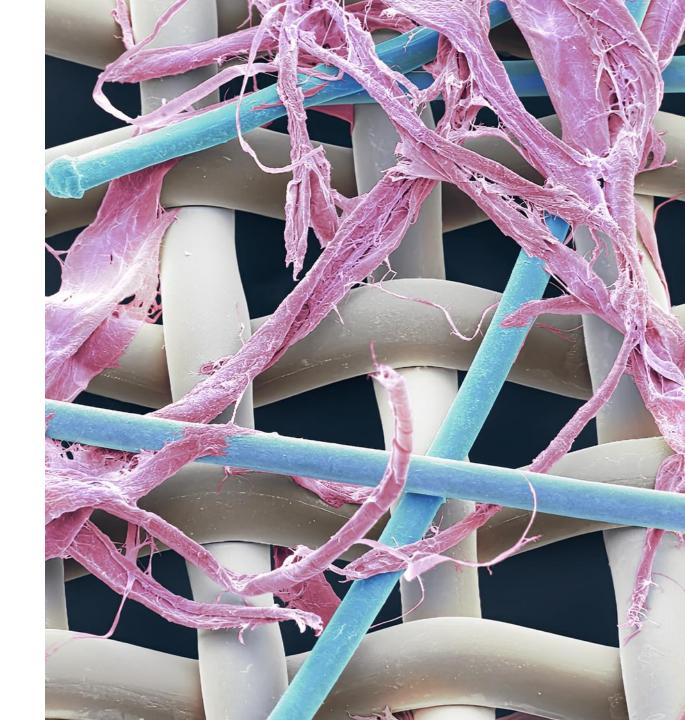
* "Consumers' Perceptions and Attitudes Toward Products Preventing Microfiber Pollution in Aquatic Environments as a Result of the Domestic Washing of Synthetic Clothes" Herweyers et .al 2020



PERFORMANCE DATA

XFilter has been independently verified as the highest performing filtration device.

JUNE 2022 - HOHENSTEIN - GLOBAL TEXTILE TESTING INSTITUTE

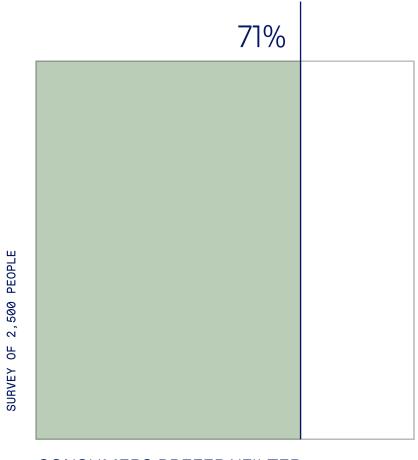








THREE-QUARTERS
OF CONSUMERS
WOULD CHOOSE
XFILTER'S DESIGN
OVER OTHER
OPTIONS



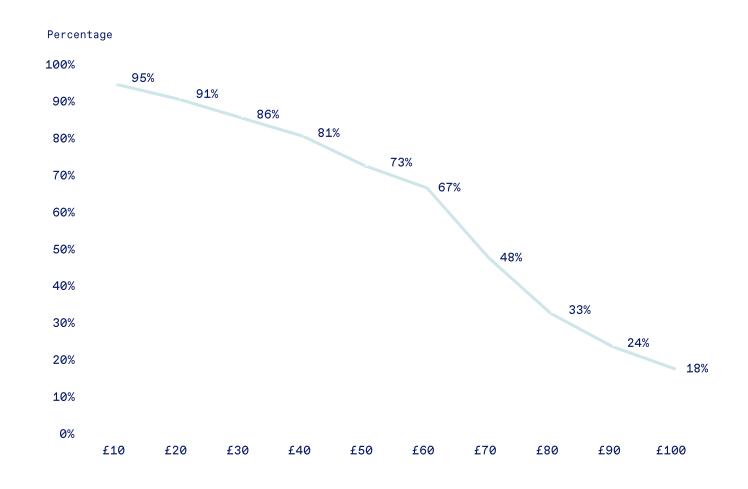
CONSUMERS PREFER XFILTER

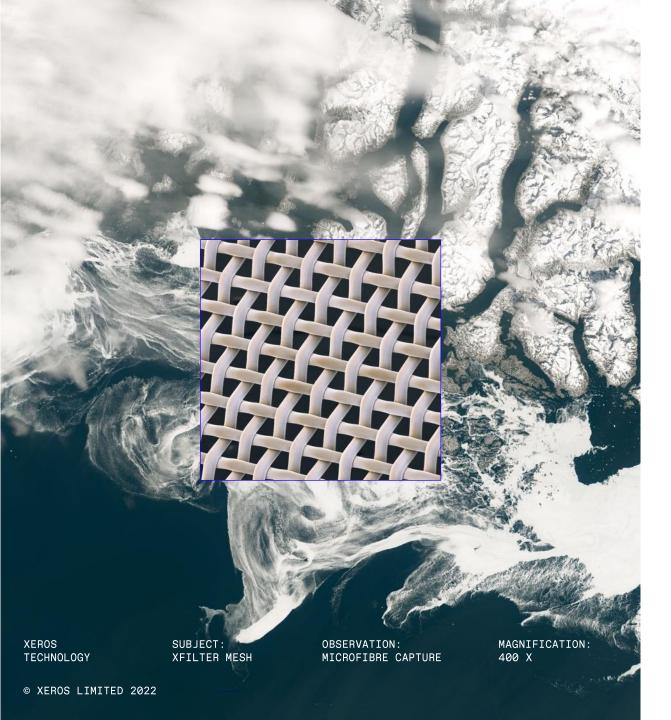
PUBLIC PREFERENCE



COST ANALYSIS

- Nearly half would pay an additional £70 for a machine with an internal filter
- One in five would pay £100 extra





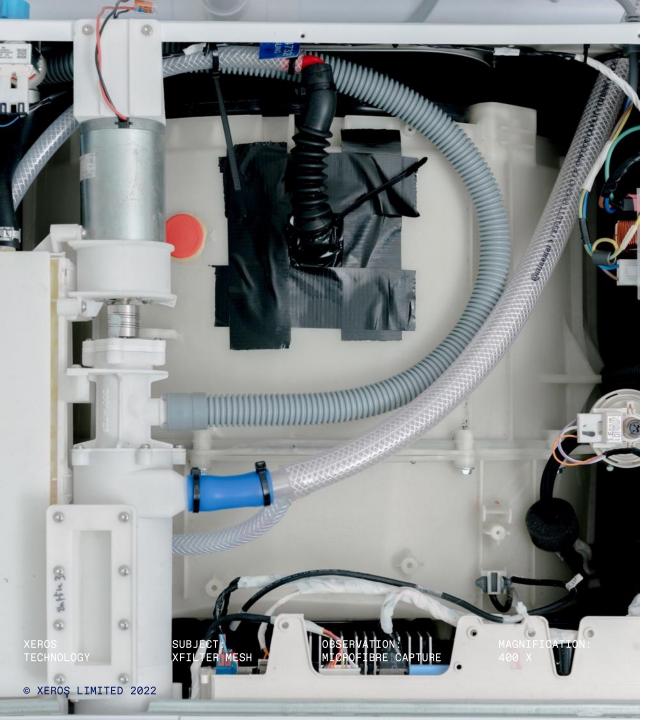
LEGISLATION

SUPPORTING GOVERNMENT

The Xeros team work alongside the UK and French governments providing scientific advice on effective microfibre filtration.

Legislation has been passed in France, coming into law in 2025. The UK currently has a private members bill calling on government to also mandate washing machine filtration.

We are actively engaged with legislators in California, the EU, Australia and Canada.



MANUFACTURER PARTNERSHIPS

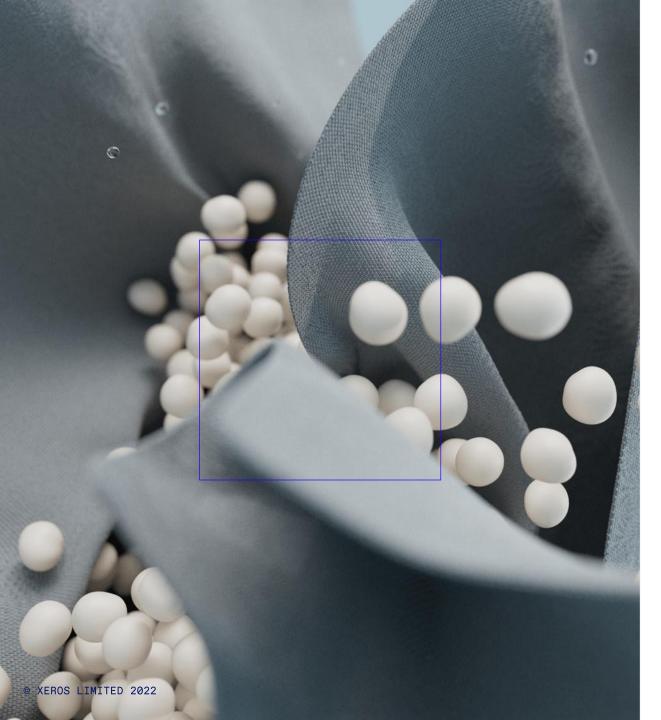
WORLD-LEADING MANUFACTURERS MAKE OUR SOLUTION SCALABLE

We have partnered with Hanning Elektro-Werke, an industry leading washing machine component manufacturer, to manufacture XF¹ as a licensed product ready for installation available for OEMs.

We are also working with another leading European domestic appliance component manufacturer on a joint development agreement.

CARE

EXTENDING THE LIFE OF GARMENTS



CARE

RETHINKING HOW WE CARE FOR CLOTHES

Our XC technology can be integrated and scaled to enhance front-loading washing machines through the combination of our patented XDrum and XOrb technology.

The closed system releases XOrbs, reusable polymer spheres, into specially designed wash programmes to reduce the environmental impact of caring for our clothes.

CARE

A system for domestic washing machines to extend the life of the clothes we wear.

Using XOrbs allows for a significant reduction of water, chemistry and energy, with the benefit of a gentler mechanical action to improve wash performance and better care for fabrics allowing them to last longer.

At the end of the cycle, the XDrum collects the XOrbs back into their storage system.

Our team supports wash cycle development and the technical transfer process to enable our technology to work seamlessly with your products.



Normal Wash Xeros Care



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GARMENT: WOOL JUMPER # WASHES:

LOAD WEIGHT: 2.5KG XORB MASS: 4KG



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Notice: This presentation and the contents of it are provided strictly for the purpose of evaluating the Xeros XFilter ™ and Care™ solutions. The information enclosed herein may not be used for any other purpose or shared with parties outside Haier.

APPENDIX

SOME ADDITIONAL READING

MICROPLASTICS TIMELINE

INNOVATIONS AND IMPACTS



PERFORMANCE DATA

INDEPENDENT VERIFICATION

Tested by Hohenstein, a highly respected testing institute for the textile industry.

The test analysed the retention rate of defined synthetic microfibres (microplastics) using an XFilter device that had been integrated into a washing machine. Retention measurements were performed using two methodologies: a dynamic image analysis device to enable the testing of particles suspended in water, and also by mass. Both methods measured the number of microplastics released into the effluent – the wastewater which flows into our drains.

The independent test results match our internal scientific data, validating our high-performance criteria for testing.

