

# OUR TECHNOLOGY YOUR MACHINE

A Simple Solution for  
Original Equipment Manufacturers

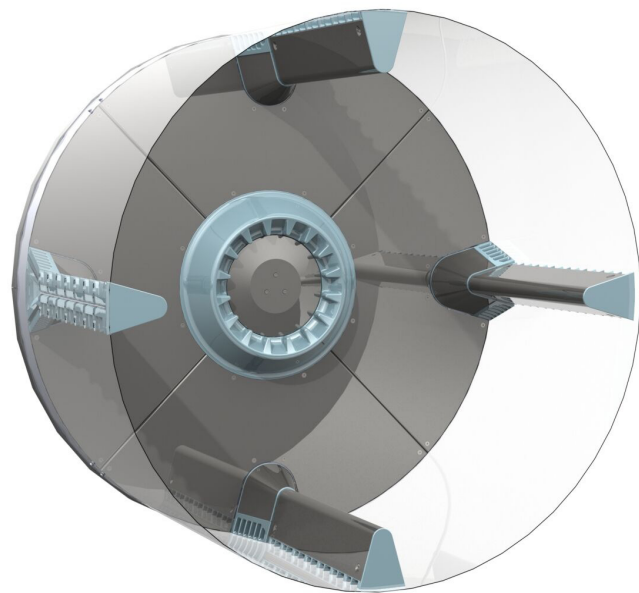


**Hydro**  
**finity**<sup>™</sup>

Sustainable  
Fabric Care Technologies  
from Xeros

# Let Our Innovation Work For You

**XDrum™**  
Xeros In-Drum Technology



## Multiple benefits. Two technologies. One solution.

### XDrum™

XDrum™ is a simple, low cost solution for OEMs to easily incorporate Xeros' patented water saving XOrb™ polymer technology into their machine designs. This means that for the first time, manufacturers will be able to bring the latest science and technology to their machines whilst still having the option of running existing cycles.

#### The benefits of XDrum™:

- Compatible with conventional washers
- Gentle on laundry
- Use less water

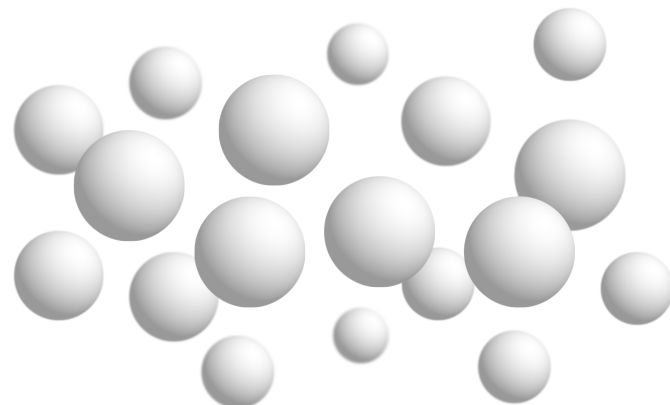
### XOrbs™

At the heart of Xeros' laundry system is XOrb™ Polymer Technology. Reusable, recyclable, and safe, XOrbs™ gently clean and protect clothes using less water and chemicals. They mix into the XDrum™ at the start of the wash and gently remove dirt and stains whilst protecting your clothing like tiny little hands. When the wash cycle is completed, the XOrbs™ automatically go back inside the XDrum™ and are ready to be used again for your next wash. If you would prefer to run a cycle without XOrbs™, just simply select a non-XOrb™ program.

#### The benefits of XOrbs™:

- Powerful yet gentle cleaning action
- Clothes look newer for longer
- Reusable and recyclable

**XOrb™**  
Xeros Polymer Technology



# Where The Innovation Began

Operating globally, Hydrofinity is a division of **Xeros Technology Group**, who aim to help sustain the world's **water supplies** for future generations. Driven by the principle that water is essential and precious, Hydrofinity helps businesses reduce their **environmental footprint** while creating substantial cost efficiencies in their laundry operations.

2006

First employees

Founded at the  
University of Leeds

2008

First machine  
created using XOrbs™

2010

First Generation 3  
machine sold in UK

2012

Launched in USA

2013

Floated on  
Stock Exchange

2014

Launched in  
Australia

2016

Launched in UAE

2017

Launched in South  
Africa and Turkey

2018

Launched in China

2019



# Why You Should Partner With Us



## Differentiate yourself from the competition

By simply fitting our XDrum™ into your machine, your customers could use up to 50% less water, which also means less energy and chemicals are used. Our XOrbs™ act like tiny little hands and are proven to provide a superior wash-quality.



## Increase visibility into equipment in the field

OEMs typically lack visibility into how their customer's equipment operates once it reaches the field. Our engineers have been working in the field for many years so understand customer's challenges.

## The technology of choice for world-leading OEMs

A number of OEMs across the globe have already signed licencing agreements to incorporate Xeros' unique water-saving XOrb™ and XDrum™ technologies. The biggest commercial washing manufacturers in China and India have both signed up, allowing their machines to use up to **50% less water** than conventional washing machines.



**IFB**



**SEA-LION**  
江苏海狮机械制造有限公司



## Minimise the upfront cost of design

We've already done this for you! Our technology has been proven in many countries around the globe over the past 10 years and XDrum™ has undergone rigorous Research and Development by our industry-leading scientists and engineers.



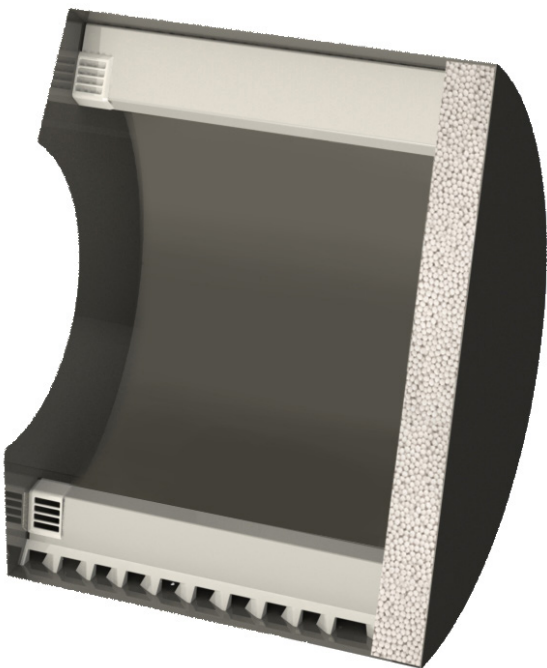
## Prove your commitment to sustainability

We're focussed on commercializing our technologies with OEMs who share our dedication to sustainability. We've already proved out our propositions, reducing risk for prospective partners.

# Technical Specifications

## Example data sheet

As XDrum™ can be retrofitted to any size machine, the below specifications are just an example.



## Product Features & Benefits:

Incorporating Xeros Technology into your conventional washer is now easier than ever with XDrum™. With minimal changes you can now maintain all of your existing product features and performance while adding all of the benefits that come along with our water savings technology; spray wash, water reclaim, gentler mechanical action and longer garment life. Our cycles are complementary to the standard suite of programs on your conventional washer.

The above image shows how XOrbs™ are stored at the back of the XDrum™

Capacity lbs (kg)	40* (18)
Cylinder Diamter in. (mm)	29.5 (749)
Cylinder Depth in. (mm)	24 (610)
Cubic Volume cu. ft. (liters)	9 (255)
High Extract G-Force	350
Water Inlet connection in. (mm)	3/4 (19)
Drain Diameter in. (mm)	3 (76)
Cabinet Width in. (mm)	38.25 (972)
Cabinet Depth in. (mm)	46 (1168)
Cabinet Height in. (mm)	55 (1397)
Net Weight lbs. (kg)	1,150 (523)

\* This is not limiting and is used simply by way of a typical commercial example.

## Benefits:

up to  
**50%**  
less water

up to  
**50%**  
less chemicals

up to  
**50%**  
less energy

# How to Partner With Us

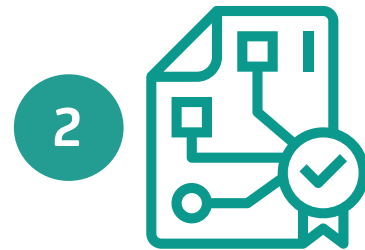
## Partnership Process

Partnering with us is a simple 6-step process.



### Joint R&D project discussion

Discuss quantity and concept. Hydrofinity to share CAD designs for modifying the OEM machine.



### Business model approval

Hydrofinity propose business model and directional licences fee.



### Co-operation agreement signed

Development, prototyping, commercialization contract agreed. Partnership can be announced.



### Development begins

OEM and Hydrofinity engineering teams work together to answer all technical questions.



### Production prototyping starts

Refine the combined OEM machine and XDrum into a compelling product.



### Commercialization

Commercialization agreement and revenue model agreed.

## FAQs



### How is XDrum™ different to “standard” drums?

XDrum™ is a storage system which dispenses and collects XOrbs™.

### How much water per cycle does XDrum™ save?

On average, XDrum™ saves 50% of the water versus a conventional washer.

### Is XDrum™ compatible with existing controllers?

Yes, XDrum™ will operate under normal cycle conditions providing there is one output available.

### Is XDrum™ easy to incorporate into a conventional washer?

Yes, XDrum™ has been designed with ease of manufacturing in mind and is relatively easy to incorporate into most washer models regardless of capacity.

### Will you supply the CAD design?

Absolutely! Our dedicated team will work with your engineering and manufacturing teams to help modify your machine.



### What are XOrbs™?

XOrbs™ are hard polymer spheres, approx 7mm in diameter that work with the XDrum™.

### How are XOrbs™ removed after washing?

XOrbs™ are removed from the load during the separation cycle of the wash programme - both the spheres themselves and our cycles have been specially designed for this separation process.

### Are XOrbs™ recyclable?

Absolutely! Sustainability is our core principle. XOrbs™ are replaced after around a thousand washes and are reused or recycled.

### Do the XOrbs™ damage linens?

No - quite the opposite in fact! XOrbs™ have a gentle tumbling action so there is less creasing. The Hydrofinity system also requires lower temperatures and less detergent, so items look new for longer.

### Do you supply XOrbs™?

Yes! We will agree quantity and frequency in the 6-step partnership process.

# SHIFT YOUR FOCUS FROM OPERATION TO INNOVATION



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**Hydro**  
**finity**<sup>™</sup>  
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To see XDrum<sup>™</sup> in action, visit  
[www.hydrofinity.com/videos/xdrum](http://www.hydrofinity.com/videos/xdrum)  
or scan the QR code on the right.

