

DynaWash Duo

Garment and Printed Fabric Durability Tester

The instrument of choice for garment sustainability

For laboratories performing a high volume of repeated wash tests, DynaWash Duo with integrated spinner will provide a life time of laundering in a fraction of the time compared to traditional washing methods. The built-in spinner eliminates the requirement of rinsing and extracting excess water in a separate machine.

A Lifetime Of Laundering

Fifteen minutes of testing in the DynaWash is approximately equivalent to five domestic washes, removing the need for repeated wash and dry tests. This results in a reduction in water and energy consumption, labour and laboratory space with an increased capacity for testing.

Integrated Spinner

An integrated spinner allows the user to rinse and extract excess water from samples without the need for a separate spinner.

Touchscreen User Interface

An intuitive touchscreen user interface, designed alongside experienced Textile Technologists, offers testing which is simple to set up and reduces the need for training.

Multiple Tests

A number of tests can be performed in the DynaWash Duo, including print durability, pleat retention, cockling, flock retention, crinkling, differential shrinkage and security of attachments, plus many others.

Quality Components

The bath and impeller are constructed in stainless steel for improved quality, a longer lifespan and reduced downtime in comparison to domestic instruments.

A Range Of Standards

DynaWash complies with a range of standards, including retailer test methods such as M&S, Next and the Arcadia Group.



DynaWash Duo complies with:	
Arcadia	AG10
bsi.	BS 7907
M&S	M&S C15, M&S P5, M&S P69, M&S P6, M&S P7
Next	TM 8
Plus other Retailer Standards	



A Focus On Sustainability

- An estimated £140 million worth (350,000 tonnes) of used clothing goes to landfill in the UK every year.¹
- As consumers become more environmentally aware, the ability to offer a sustainability label is increasingly attractive. This applies to garments as well as other everyday consumer goods.

The DynaWash Duo positively impacts sustainability in two ways:

Significant savings in water consumption, energy consumption, CO₂ emissions and time in comparison to traditional washing methods results in a more sustainable laboratory.

Simulating a lifetime of laundering in a short period of time allows retailers to demonstrate the durability of a garment. A longer lifespan is positive for both the consumer and the brand.

Comparison tests between DynaWash Duo and Wascator have demonstrated that approximately 15 minutes in the DynaWash Duo is equivalent to 5 cycles in the Wascator. Based on these investigations, switching to the DynaWash Duo will give you the following savings in water and energy consumption, CO₂ emissions and time:

	5 x Wascator	1 x DynaWash Duo	Difference
Water consumption	440 litres	45 litres	-89%
Run time	150 minutes	15 minutes	-90%
Spin time	5 minutes	1 minute	-80%
Moisture content after spin*	47%	31%	-35%
Energy consumption	4.5 KW	0.7 KW	-84%
CO ₂ emission [†]	10.5 g	1.7 g	-84%

For more information about how the DynaWash Duo could benefit your business, and the work James Heal's instruments do to promote garment sustainability, please get in touch.

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¹ Statistics from Valuing our clothes: the evidence base', WRAP, 2012

* Data based on 50/50 polyester cotton mix. More information is available upon request.

† Data based on 0.14 Kg CO₂ emission per KWh.