



## Introducing the James Heal performance testing range

Performance wear and technical textiles are fast-growing markets, combining technology and function with comfort and safety. Quality can be assured through testing with James Heal's world-class and innovative performance testing instruments combined with TestWise Touch OS. All our instruments are designed with precision in mind, to maximise consistency, providing accurate repeatable test results, every time.



**James Heal**



**PHYSICAL  
PROPERTIES  
TESTERS  
GROUP**

## AirPro

### Air permeability tester

Tests the resistance of the flow of air through woven and nonwoven textiles. Air permeability testing is an indicator of the comfort of a fabric, such as thermal loss in windproof garments, or a measure of breathability for face coverings.

#### Key Features

- Quick change test heads
- Large illuminated test base
- Accommodates variety of different materials and finished garments



## HydroView

### Hydrostatic head tester

Determines the resistance of fabrics to penetration of water, across pressures from 0 – 10,000 mbar. Includes manual droplet data-capture, combined with 'pinch & zoom' hi-res camera analysis.

#### Key Features

- Accommodates multi-layered fabrics and sheet substrates
- Integrated waste water drawer, no additional plumbing required
- 10" capacitive touch screen with TestWise Touch OS



## WickView

### Moisture management tester

An advanced imaging system to track moisture through a garment, giving understanding of its effectiveness at moisture management and wicking behaviour.

#### Key Features

- Vertical and horizontal testing
- Water delivery replicates perspiration
- Innovative camera technology
- In depth, live capture reporting



## ProDry

### Dry rate tester

Quick-drying is an important attribute of textiles worn next to the skin. ProDry replicates the conditions to verify that quick-drying fabrics are performing effectively.

#### Key Features

- Consistent laminar airflow
- Adjustable temperature sensor
- Option to increase data points



## TruRain

### Water repellency tester

TruRain is the definitive Bundesmann Tester, an artificial rain shower testing instrument for determining the water repellency of textiles.

#### Key Features

- Automated shower guard
- Reduced water and energy consumption
- Easy to use and maintain



## AquAbrasion

### Wet abrasion tester

Based on the traditional Martindale instrument, the AquAbrasion gives an accurate way of conducting wet abrasion testing using various fluids, which we have proven to be a crucial step in establishing the durability of outdoor wear.

#### Key Features

- Controlled method of dosing
- Suitable for wet and dry testing
- Unique ergonomic design



### We've got it covered with James Heal's end-to-end extraordinary testing solutions.

#### Test Materials

A wide range of James Heal test materials and consumables are available for these instruments, such as Martindale and burst strength test materials.



#### Global support

With world-class servicing and calibration, James Heal's highly trained and experienced team of engineers are uniquely qualified to provide instrument support.



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