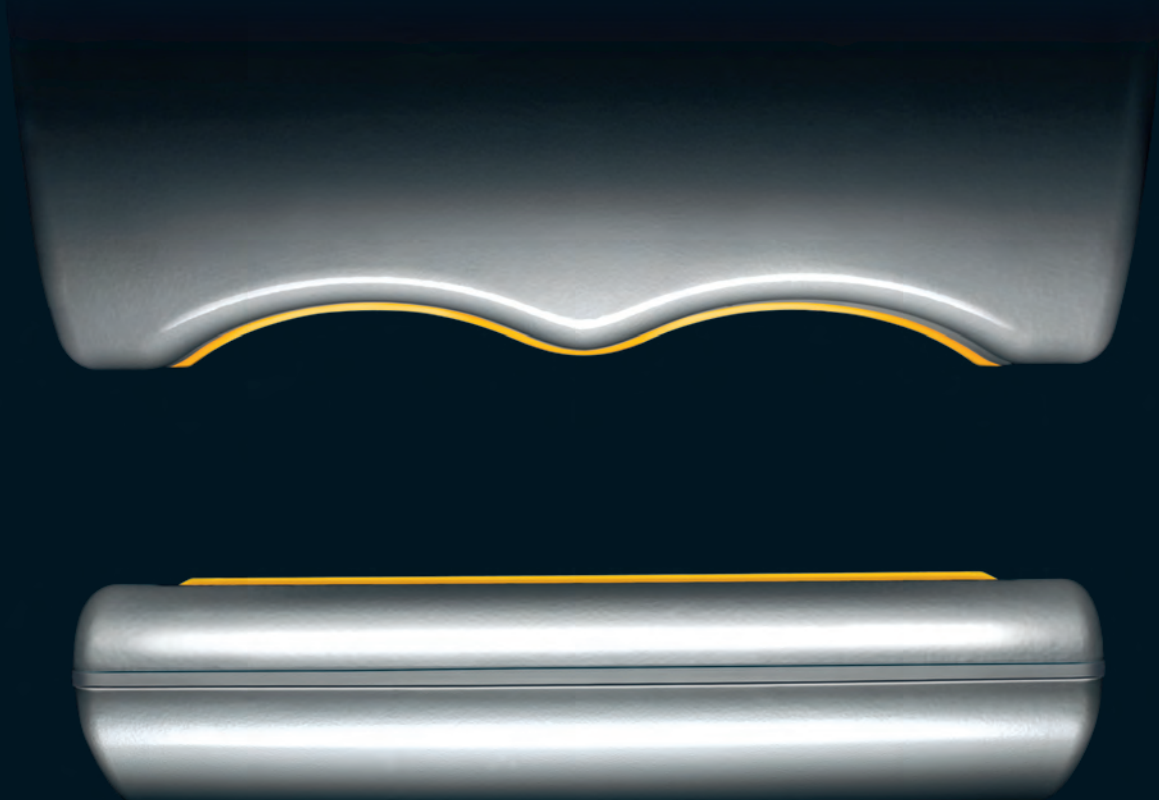


# dyson airblade

The fastest,  
most hygienic  
hand dryer.



## The problem with other hand dryers

### Too slow

Others take up to 43 seconds to dry hands.

### Unhygienic

They suck in dirty washroom air and blow it back onto hands.

### Energy hungry

Most of them heat the air so they're expensive to run.



### Did you know

Damp hands can spread up to 1,000 times more bacteria than dry hands.

## The problem with paper towels

### Expensive to run

They need constant re-stocking and disposal.

### Create waste

Most paper towels don't get recycled, so they end up in the ground or the incinerator.

### Carbon footprint

Producing, supplying and disposing of paper towels creates carbon dioxide emissions. This process is continuous.



## Only one hand dryer works properly

The Dyson Airblade™ hand dryer works in just 10 seconds – scraping water from hands like a windscreen wiper.

It's the fastest hand dryer – and air is HEPA filtered before it dries hands, so it's hygienic. It also uses up to 80% less energy than warm air hand dryers.

Because almost every component is recyclable there's little waste to dispose of at the end of its life.

### Fastest

Hands are dry in 10 seconds.

### Filtered air

HEPA filter captures 99.9% of bacteria from the air drying hands.

### Less energy

Up to 80% less energy than warm air hand dryers.

### Lower running costs

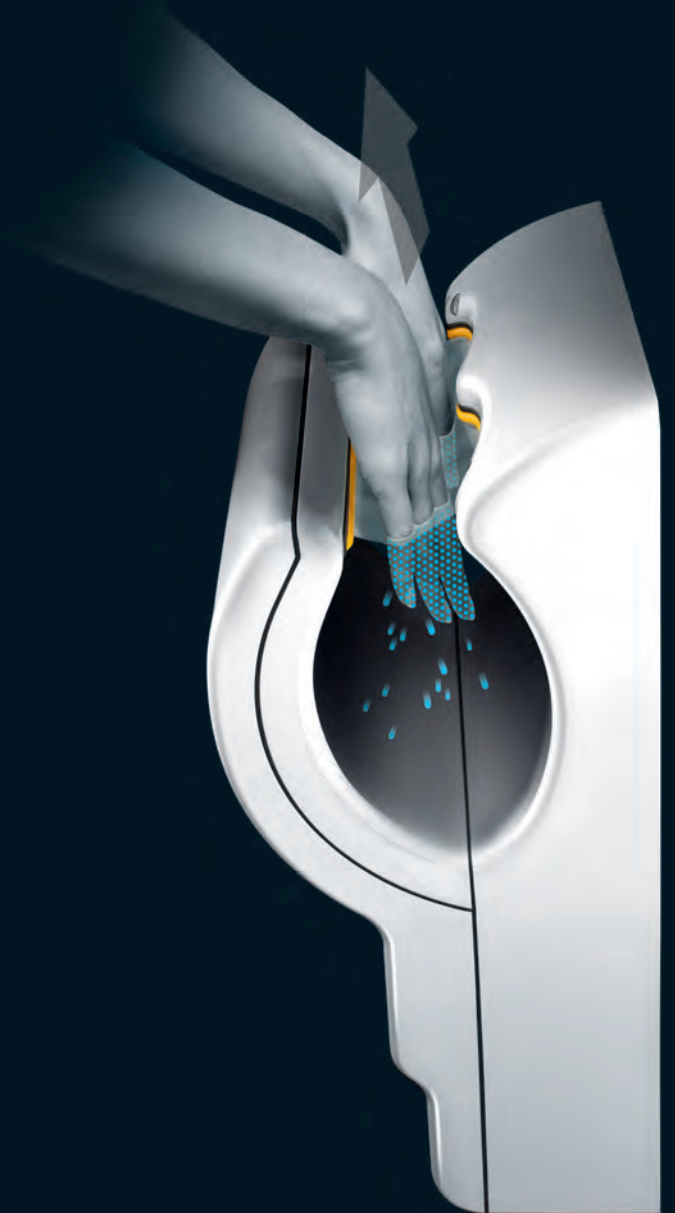
Up to 80% less than warm air hand dryers per year. Up to 98% less than paper towels per year.

### No towels

No paper waste.

### Recyclable

Most components are recyclable.

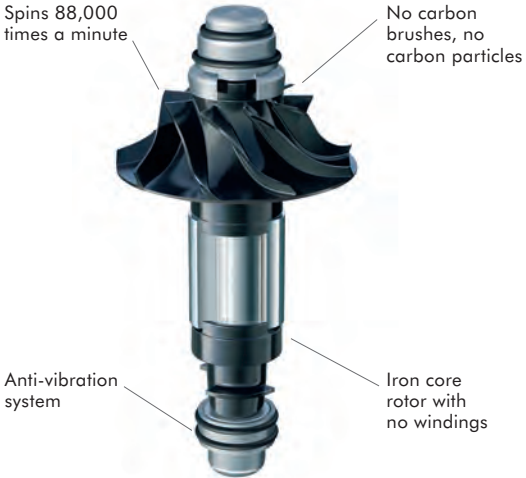


**Did you know** Dyson Airblade™ hand dryers are installed in well known locations all over the

world, including: Melbourne Airport, Railcorp and Perth Arena.

**No other hand dryer has this technology**

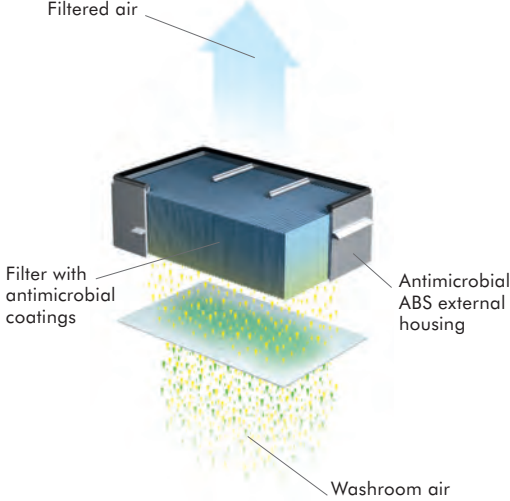
**Dyson digital motor**  
Using digital pulse technology, it spins 88,000 times a minute. It's the only hand dryer motor powerful enough to draw in 35 litres of air a second through a HEPA filter, and then dry hands in 10 seconds.



+

**HEPA filter**  
Dirty washroom air is forced through this, capturing 99.9% of the bacteria. So hands are dried using cleaner air, not dirty air.

+



**Airblade™ technology**  
The air is then forced through two continuous apertures the width of a human eyelash. The result, two sheets of 640 km/h air that scrape water from hands in just 10 seconds.

=

**The fastest**  
**The most hygienic hand dryer**  
**Costs less to run**



## Scientifically evaluated and approved

A recent hand hygiene study by the Bradford University Infection Group has been peer-reviewed and published in the *Journal of Applied Microbiology*. The report found that washing hands alone is not enough. Microbial counts on skin actually decrease when hands are dried properly. Drying is now recognised as a vital part of hand hygiene routines.

Out of all machines tested, the Dyson Airblade™ hand dryer was found to be the most hygienic – significantly reducing bacteria transfer compared to warm air dryers. And unlike paper towels, Airblade™ technology doesn't leave bins overflowing with soiled paper towels, a potential hygiene hazard.

For more information and to read the full report please visit [www.dysonairblade.com.au](http://www.dysonairblade.com.au)



## The only hygienic hand dryer

“We asked independent public health specialist NSF to define the criteria for a hygienic hand dryer. It's something no one else had ever done before. The result is NSF Protocol P335 – and the Dyson Airblade™ hand dryer is the only hand dryer that meets every part of it. So it's the only hand dryer certified hygienic.”

**Karen Hall**  
Microbiologist, Dyson



**Only the Dyson Airblade™ hand dryer meets every part of NSF Protocol P335**

### **Air filtration**

Air used to dry hands must be HEPA filtered.

### **Unheated air**

Warming moist bacteria increases their reproduction rate. Heated air can also remove beneficial oils from the skin.

### **Drying time**

Hands must be dried in under 15 seconds. NSF have defined dry as 0.1g of moisture. Damp hands can spread up to 1,000 times more bacteria.

### **Touch-free operation**

The hand dryer must start and stop without user contact.

If a hand dryer doesn't have this logo, it's not certified hygienic.

**Saves you money**

The Dyson Airblade™ hand dryer costs you less to run. Faster dry time and no energy-hungry heating element, means running the Dyson Airblade™ hand dryer costs up to 80% less than warm air hand dryers and up to 97% less than paper towels.

**Reduces your carbon footprint**

Switch from paper towels. Paper towel production involves pulping and chemical bleaching. And paper towels need constant restocking. Both processes are carbon intensive.

By changing to the Dyson Airblade™ hand dryer, you can significantly reduce your carbon footprint.



\*Usage based on 200 uses per day, 2 towels per dry (data from Dyson internal research – Sept 2008). 1600W machine shown. Calculations include standby power. Cost based on \$0.01 per paper towel (data from Dyson internal research – Jan 2010) and \$0.152 per kWh (data from Australia Small and Medium Business Customer Pricing 2009). Paper towel dispenser and Dyson Airblade™ hand dryer purchase costs are excluded from comparison. 10 second dry time based on NSF protocol P335.

\*Paper towels data from Madsen 2007 report – Life cycle assessment of tissue products, prepared for Kimberley Clark, Environmental Resources Management: 39,000 dries per year, 5 years use. 12.48g per dry. Dyson Airblade™ hand dryer data based on same number of dries used in the Madsen report, same 5 years usage, 10 second dry time. Also includes standby power consumption and emissions generated by manufacture, transport and disposal for Australia. 10 second dry time based on NSF protocol P335. 4.9g per dry.

## Only one hand dryer has the Planet Ark Carbon Reduction Label

**No stone left unturned.** Everything we make or use has a carbon footprint. It represents the total amount of carbon dioxide and other greenhouse gases generated during its life.

Working with Planet Ark and the UK Carbon Trust, Dyson has measured the carbon footprint of the Dyson Airblade™ hand dryer. The calculation covers: materials, manufacture, transportation, use and end-of-life disposal.



### Every single component

Materials and manufacture represent 6% of total emissions. The Dyson Airblade™ hand dryer has 275 components and even the smallest one was assessed.

### Waterways vs. highways

Transportation represents less than 1% of total Dyson Airblade™ hand dryer emissions. Most of it is by energy-efficient ships. It's far lower than paper towels, which continually rely on road transport for re-stocking.

### Less energy = less carbon

Fast dry time and no energy hungry heating element mean the Dyson Airblade™ hand dryer uses up to 80% less energy than warm air dryers.

### Hand me down

The Dyson Airblade™ hand dryer is guaranteed for 5 years. But when it does eventually stop, many components are recyclable and the impact of doing so is a negligible part of its carbon footprint.

## Guaranteed to last

### Test. Test. Test.

Dyson engineers spent three years developing, testing and refining the Dyson Airblade™ hand dryer.

To produce the fastest drying time, they experimented with different angles and widths of aperture. Testing helped find the optimum air pressure to effectively scrape water from hands. And every component was tested for durability.

Hand dryers and washrooms were sampled for bacteria. Contamination levels of paper towel dispensers were assessed.



### Did you know

Air and surface samples taken from washrooms contained many different bacteria (some unsurprisingly of human origin).

## Inside the Dyson Airblade™ hand dryer

### Rapid hygienic drying

Scrapes water from hands with a high velocity sheet of air – like a windscreen wiper.

### Efficient standby mode

Standby power consumption of only 1 Watt for increased energy efficiency.

### 1600W long-life, energy efficient motor

Uses digital pulse technology. Only three moving parts – no slip rings or carbon brushes to wear down.

### Switched reluctance motor

Digitally switched at 6,000 times per second, making the high-compression fan spin 88,000 times a minute.

### HEPA filtration

Lifetime HEPA filter removes and eliminates 99.9% of bacteria from the air used to dry hands.

### Touch-free operation

Intelligent infra-red sensor control for touch-free drying and minimal energy wastage.

### Easy to clean

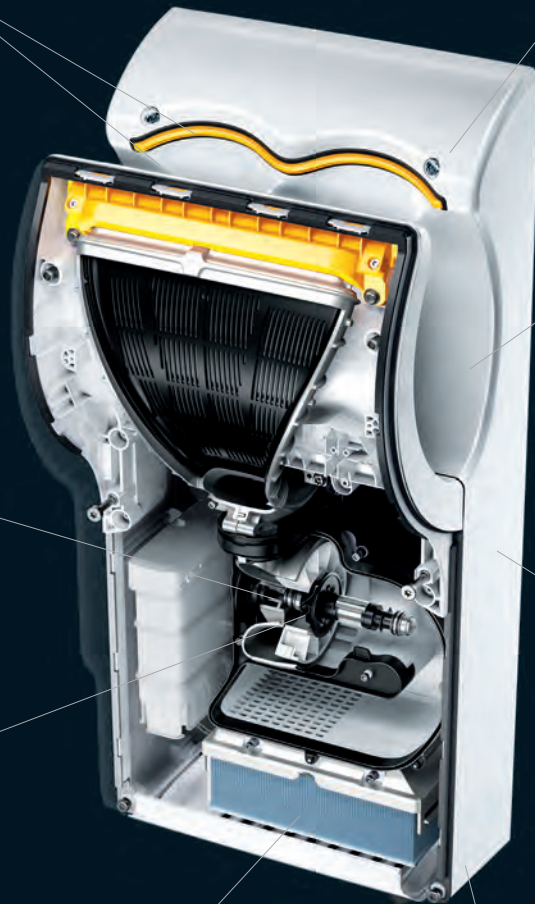
Tough, sealed ergonomic design for easy cleaning and maintenance.

### Antimicrobial additives

Antimicrobial coating on all external surfaces kills up to 99.9% of bacteria.

### Robust and durable casing

Resists chips and scratches.



## How it works

- 1 Dirty washroom air is sucked in by the Dyson digital motor.
- 2 It passes through a HEPA filter, removing 99.9% of the bacteria.
- 3 The filtered air passes over the electronics, cooling them.
- 4 The air then reaches the motor, which channels it up and through the machine.
- 5 Air passes into the air ducts which are insulated to reduce noise.
- 6 It's then forced through two apertures – creating sheets of air travelling at 640 km/h.
- 7 The two sheets of air literally scrape water from hands.



## Product range

### A01

A01 has an aluminium casing for high-impact venues such as airports and nightclubs.

#### Silver



### A03

A03 is made from a tough, ABS polycarbonate for regular washrooms – and is 50% less carbon-intensive to manufacture than the aluminium equivalent.

#### Grey



#### White



#### 10 second dry time

Sheets of air travelling at over 640 km/h scrape water from hands like a windscreen wiper.

#### Costs less to run

Dries 16 pairs of hands for the price of a single paper towel.

#### Uses up to 80% less energy than warm air hand dryers

Patented Dyson digital motor spins 88,000 times a minute – delivering a much faster dry time using less energy.

#### Carbon footprint

The only hand dryer awarded the Planet Ark Carbon Reduction Label.

#### The most hygienic hand dryer

A HEPA filter removes 99.9% of bacteria from the air used to dry hands.

#### Touch-free operation

Starts and stops automatically. No dirty buttons to press.

#### Easy to clean

Sealed casing infused with antimicrobial additives eliminates up to 99.9% of surface bacteria.

#### Tough and durable

Robust, vandal-proof casing.

#### 5 year guarantee

Parts guaranteed for 5 years/350,000 uses. Plus 1 year labour guarantee.

# dyson airblade

The fastest, most hygienic hand dryer.

For information on where to purchase  
the Dyson Airblade™ hand dryer:

Dyson Australia  
1800 239 766  
[www.dysonairblade.com.au](http://www.dysonairblade.com.au)

Dyson New Zealand  
0800 397 667  
[www.dysonairblade.co.nz](http://www.dysonairblade.co.nz)

Dyson Singapore  
7000 435 7546  
[www.dysonairblade.com](http://www.dysonairblade.com)



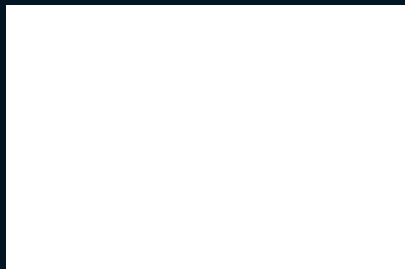
TESTED. CERTIFIED. HYGIENIC.



"HACCP International certifies the Dyson Airblade™ hand dryer as appropriate for use in food facilities that operate in accordance with an HACCP based Food Safety Programme. The only hand dryer that's HACCP approved."



"The BSF welcomes Dyson's approach to promoting skin health and hand hygiene through its revolutionary hand dryer."



All calculations found in this brochure are for Australian conditions only. The Planet Ark Carbon Reduction Label is the registered trade mark of the Carbon Trust. The NSF logo is the registered trade mark of the NSF International. The handprint logo is the registered trade mark of the British Skin Foundation. HACCP International Non-food Certification Mark is the registered trade mark of the International HACCP Alliance.