

The Dyson Airwrap™ multi-styler

The Dyson Airwrap™ multi-styler is a hair styling tool that combines innovative design with advanced engineering to create hairstyles without extreme heat.

Launched in 2018, the Dyson Airwrap™ took over six years of development. Dyson engineers created and tested nearly 650 prototypes before achieving the final design using the Coanda effect.

What's the Coanda effect?

The Coanda effect is a principle in fluid dynamics, where air sticks to a curved surface. In the Dyson Airwrap™, this effect is used to attract hair to the barrel, allowing it to wrap around without needing extreme heat.

Materials and Design

The Dyson Airwrap™ multi-styler is made from materials, including heat-resistant polycarbonate and precision-engineered alloys, to ensure durability and longevity.

Inspiration for Your Own Projects

Think about how fluid dynamics and other scientific principles could be applied to solve everyday problems.

Consider how you can use prototyping and iteration to improve your designs.

Pay attention to material properties when selecting what to use in your projects, ensuring they match the demands of the product's function.

**DESIGN &
TECHNOLOGY
ASSOCIATION**

