

## Case study

# Helping Carbon Art 45 to produce unique stunning sculptures in carbon fibre

Carbon fibre is well known for its high strength-to-weight ratio making it an ideal material for all sorts of applications – from aerospace propellers to prosthetic limbs. Perhaps one of the more surprising applications for the material is sculpture.



British Grand Prix Trophies  
Photo by Tom Saxton Photography

UK based Carbon Art 45 use carbon fibre to produce some truly stunning engineering inspired pieces.

Alastair Gibson and his team's high end engineered sculptures have been exhibited worldwide and include giant squid, human hearts and the incredible trophies for the 2024 British Grand Prix.

Perfect preparation for the meticulous and beautifully painted and lacquered surfaces is critical to the sculpting process.

The company's Vapormatt Vapormate manual wet blasting machine is ideally suited to the job. The machine cleans carbon fibre, removing waxy residues and other contaminants, without damaging the material's fibres. In the same operation a 'wet out' surface is created that ensures coatings, like paints, lacquers and adhesives, don't bead up on the surface but instead spread across the surface of the carbon fibre for best possible coverage and subsequent adhesion.



**'Our Vapormate has without a doubt stood the test of time and saves us a lot of man hours. It is also very consistent and reliable.'**

Josh Rowland, Carbon Art 45



The results speak for themselves! Visit the Carbon Art 45 website, [carbonart45.com](http://carbonart45.com), to see a unique collection of awe-inspiring work.

With its compact size, yet large working area, and manual operation, the Vapormate is the perfect wet blast machine for the company's highly varied bespoke and low volume work.



Air pressure control, rinse and dry guns, a wide opening door and a range of other features help ensure Alastair and his team achieve the precise finish required every time. The Vapormate also fits through a standard doorway making it ideal for installation in Carbon Art 45's studio.

**Visit our composites industry page to learn more about the benefits of wet blasting composites:**  
[vapormatt.com/industries/composites](http://vapormatt.com/industries/composites)

**Learn more about the Vapormate wet blasting machine:**  
[vapormatt.com/machines/manual/vapormate](http://vapormatt.com/machines/manual/vapormate)



Vapormatt, Robins Drive, Bridgwater, TA6 4DL, UK  
t +44 (0) 1823 257976 e [sales@vapormatt.com](mailto:sales@vapormatt.com)