

# SPREAD TOW FABRICS

## Pioneers in Spread Tow Technology

For over a decade Sigmatech have pioneered the development and application of Spread Tow fabrics into some of the most extreme and demanding applications in the composites industry. Using proprietary tow spreading technology, our unique manufacturing process creates high quality tapes that are woven into ultra thin fabrics. From high-end sporting goods to rocket technology, our ST fabrics truly offer an out of this world level of performance!

### SPREAD TOW ADVANTAGE

Due to its ultra thin profile, SigmaST enables high Vf CFRP parts that produce the maximum mechanical performance, creating the ultimate combination of strength, stiffness and lightweight. For high performance parts, there is no equal.



Leading Ice Hockey brand CCM selected SigmaST for its range of performance hockey sticks and have been a long-term partner for over a decade.



## PRODUCT FEATURES

01

### Low FAW

Fabric Area Weights are all sub 100gsm and as low as 50gsm for IM/HM grades

02

### Widths

Customised widths of up to 1500mm. Standard widths are 1000mm and 1250mm

03

### Weave Pattern

Various weave patterns available including plain, twill and satin

04

### Visual Quality

Created with part cosmetics in mind, SigmaST offers an iconic aesthetic design suitable for any visual product





**LEADERS IN**

**CARBON FIBER**

**TEXTILE TECHNOLOGY**

## **ABOUT US**

Established in 1986, Sigmatex are a global leader in the design, development and manufacture of carbon fiber based textiles and operate within the Advanced Materials sphere.

From our modern manufacturing facilities, we produce an unrivaled range of CF textile products, allowing us to guide you to the optimum solution for your project.

We serve our global customer base from three manufacturing locations in Europe (UK), USA (SC) and Asia (China).

With a philosophy of developing long-term partnerships, we are proud to say we generate over 90% of our annualised sales from repeat business!

## **OUR MISSION**

Our mission is to be your first choice supplier for carbon fiber textiles based on our commitment to delivering excellence in innovation, service level, quality and trust.

## **MARKET SECTORS**

Our products are used widely across a diverse range of end markets including Commercial Aerospace, Military and Defense, Space, Automotive, Marine and Sports & Leisure products.

## **SUSTAINABILITY**

We are passionate about being an environmentally responsible business. Our commitment to sustainability spans across all aspects of our business, from waste reduction and recycling to energy efficiency, all independently verified through 3<sup>rd</sup> party certifications such as ISO14001, EcoVadis and ISCC+