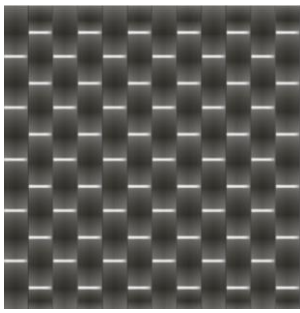


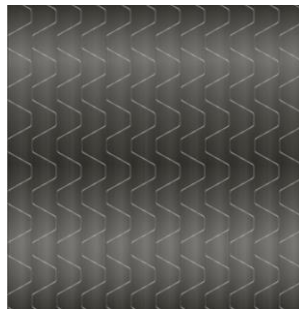
# Unidirectional Fabrics

## Product overview

Utilising carbon fibers in just a single direction, unidirectional fabrics are produced in a wide range of weights with a variety of stabilising methods such as stitching, thermoplastic and scaffolding yarns. This technology is mainly used in the wind energy sector but is also increasingly being used in automotive applications.








Woven



Stitched



## Product attributes

-  Low crimp
-  Lightweight fabric construction from heavy tow fiber
-  All modulus can be processed
-  Fabrics highly stable
-  Suitable for long aspect ratio parts

**Area weights:** from 200 to 1,000gsm

**Widths:** 100 to 2,540mm

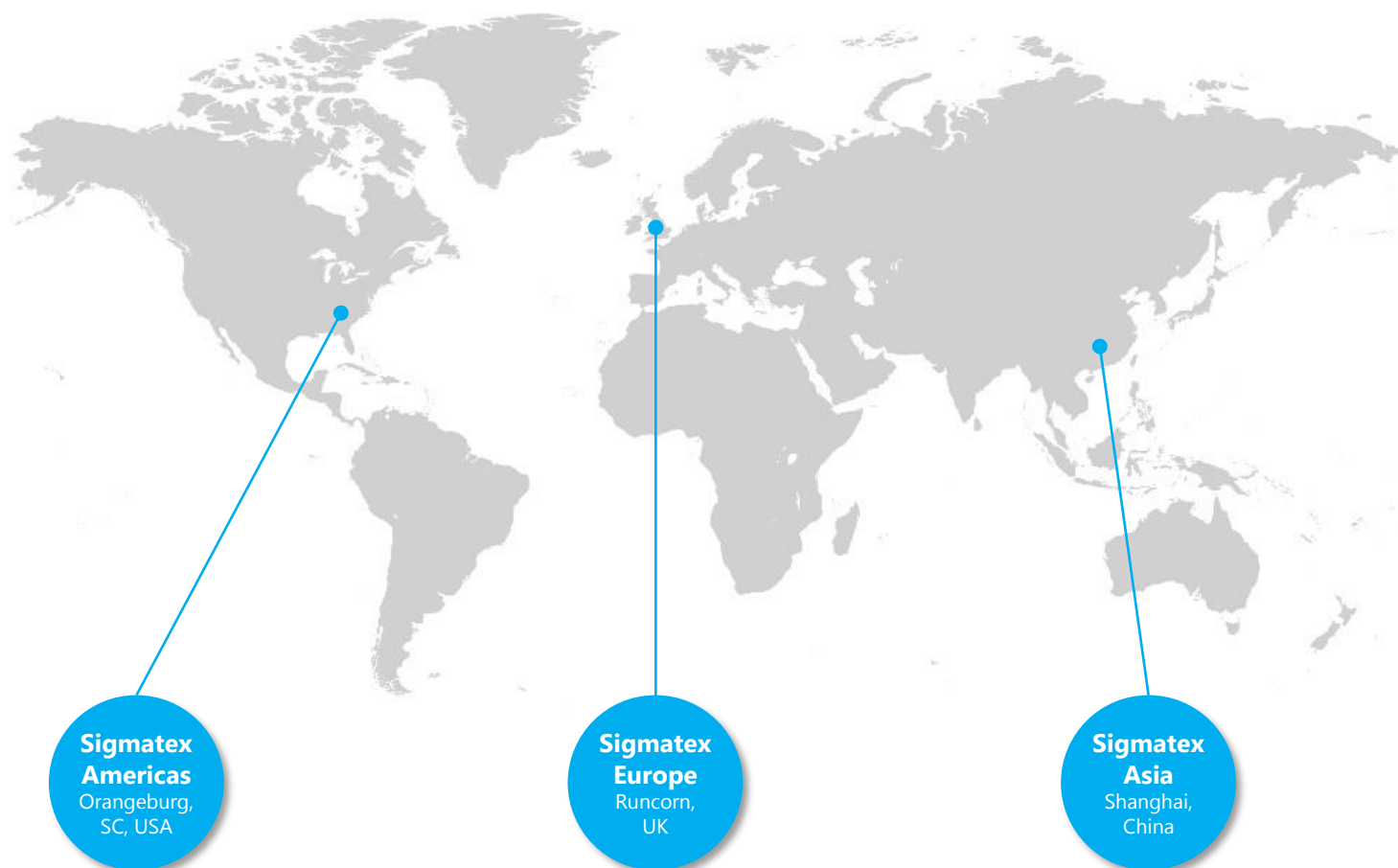
**Bonding styles:** stitched or thermoplastic bonded

**Yarn options:** 3K to 50K in standard, intermediate and high modulus

**Roll sizes:** 50 to 300LM

### Applications:





**Sigmatex Americas**  
Orangeburg,  
SC, USA

## Sigmatex Americas

### **Sigmatex (Americas) Limited**

1 Sigmatex Drive,  
Cameron,  
South Carolina,  
29142.

#### **USA**

**T:** +1 803 828 7886  
**E:** sales@sigmatex.com

**Sigmatex Europe**  
Runcorn,  
UK

## Sigmatex Europe

### **Sigmatex (UK) Limited**

Manor Farm Road,  
Manor Park,  
Norton, Runcorn,  
Cheshire,  
WA7 1TE.

#### **United Kingdom**

**T:** +44 (0)1928 570050  
**E:** sales@sigmatex.co.uk

**Sigmatex Asia**  
Shanghai,  
China

## Sigmatex Asia

### **Sigmatex (Shanghai) Limited**

Building Number 1,  
65 Huan Dong Yi Lu,  
Fengjing Town,  
Jinshan District,  
Shanghai.

#### **China**

**T:** +86 21 6735 5986  
**E:** sales@sigmatex.cn

## Designed for performance

**Established in 1986, Sigmatex is a global leader in the design, development and manufacture of carbon fiber textiles for the Advanced Materials sector. By working in partnership with our customers we can fully understand what is required to develop solutions that will exceed expectations of performance, processability and cost. We offer:**

- Widest range of conversion technologies in the market
- Proprietary manufacturing equipment and processes
- Innovative and customised textile designs
- Optimal fiber selection
- Highest levels of quality assurance
- Collaborative approach

[www.sigmatex.co.uk](http://www.sigmatex.co.uk)