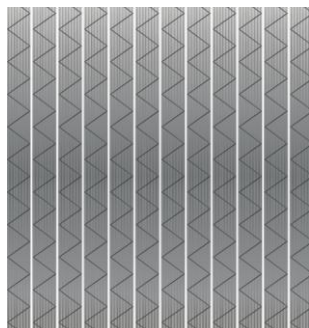


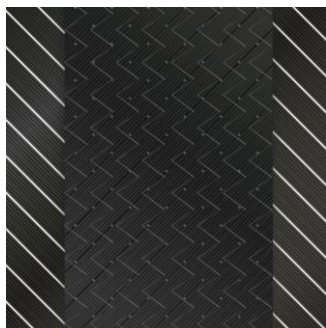
# Multiaxial NCF Fabrics

## Product overview

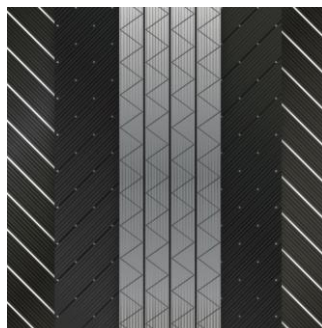
**Multiaxial Non-Crimp Fabrics (NCF) integrate advanced fiber spreading techniques, high conversion speed, adjustable angle laying heads and the capability to manufacture multi-layer fabrics at variable widths. This technology offers zero crimp for maximized mechanical performance, with typical applications including automotive components, aerospace structures and marine vessels.**



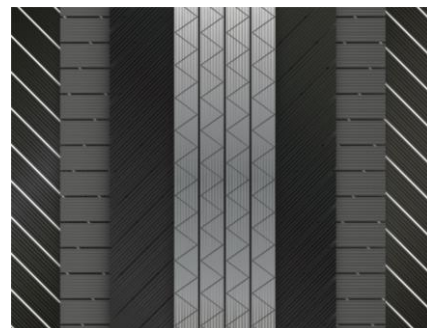
Unidirectional



Biaxial



Triaxial



Quadaxial

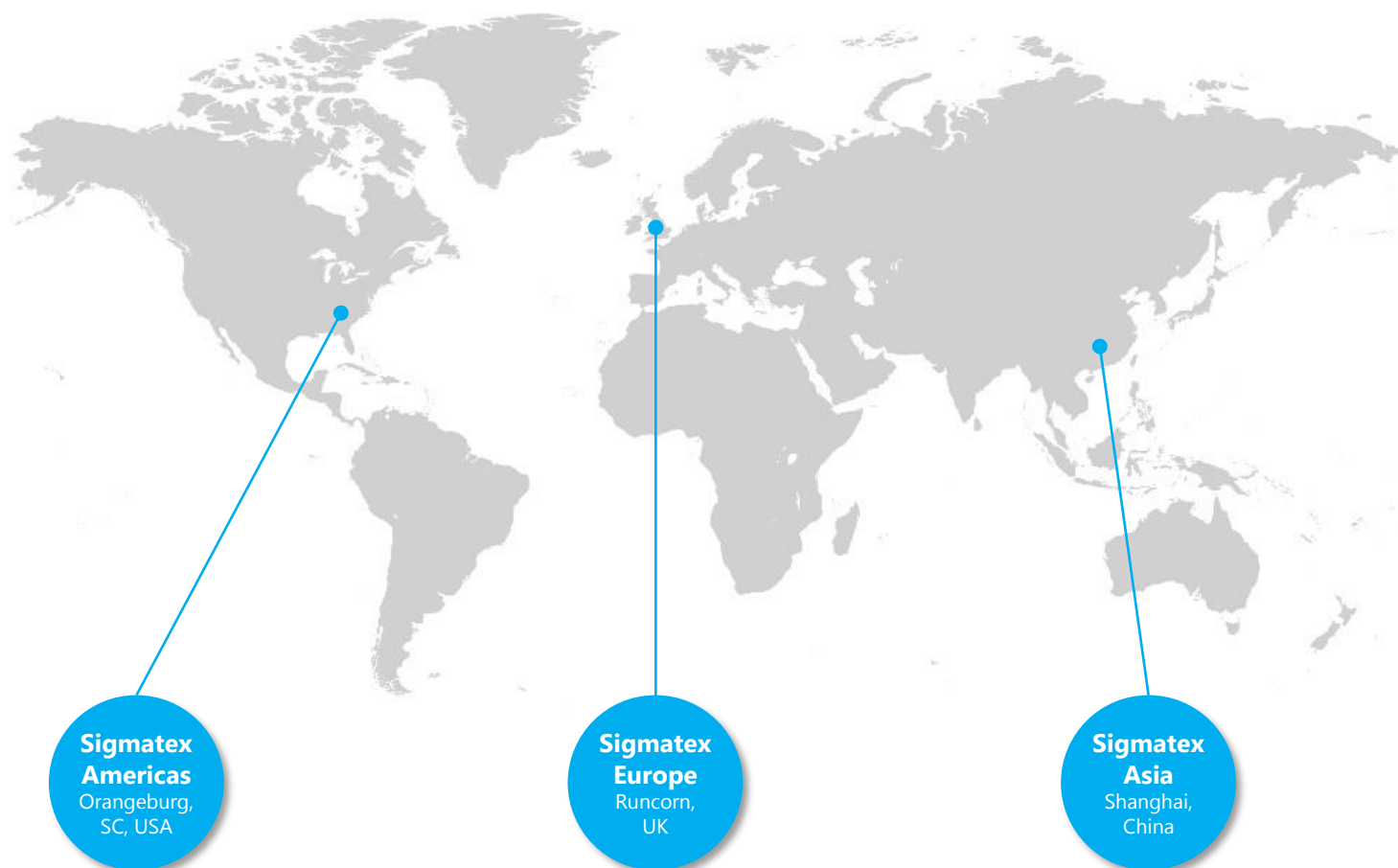
## Product attributes

- Improved mechanical performance compared to woven materials
- Layer ply weights from 50gsm
- Multiple layers and fiber orientation options
- Optimised stitch design to suit drape requirements
- Option of powder bonding to support pre-forming

- Area weights:** from 100 to 1,800gsm
- Widths:** from 500 to 2,540mm  
standard width 1,250mm
- Yarn options:** 12K to 50K,  
standard/intermediate modulus options
- Roll sizes:** up to 300LM depending on product
- Stitch types:** Piller, Tricot, Hybrid

### Applications:





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## 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)