

Customised:  
We are your  
development  
partner

## Composite textiles to your specifications

<b>MATERIAL</b>	Carbon, aramid, glass, flax, basalt, hybrid materials
<b>FINENESS</b>	Carbon: 1K to 48K Glass: 11 tex to 1200 tex
<b>FIBRES</b>	Monofil, multifil, twisted on demand, staple fibres
<b>WIDTH</b>	Standard: up to 330 mm Custom-made products: up to 950 mm
<b>WEAVING TECHNIQUE</b>	Needle or shuttle technology
<b>3D PROFILE AND CHAMBER SYSTEMS</b>	T, double T, star shape, hollow chamber structures, omega profiles
<b>WEAVE</b>	Taffeta, twill, satin, special bindings
<b>FINISHING</b>	Powder-coated, non-woven coated, hot melt adhesive component
<b>CUSTOM MANUFACTURE</b>	With two identical selvages, with elasticated weft
<b>ASSEMBLY</b>	Cut to defined length, tailored, printed, custom designs

**vombaur**  
pioneering tech tex

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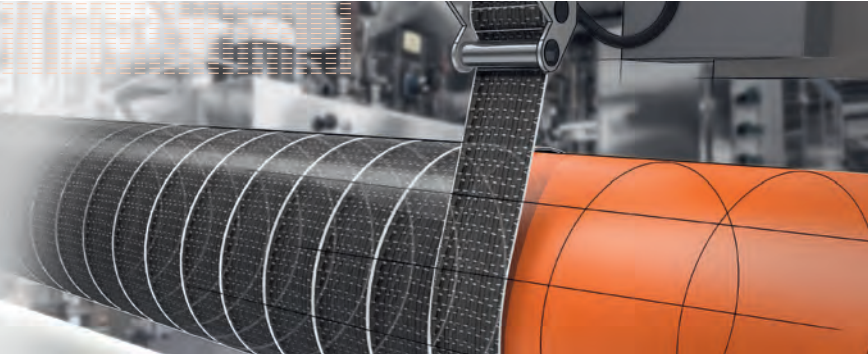


  
MEMBER OF  
TEXTATION  
GROUP

OUR  
NARROW  
TEXTILES,  
YOUR  
EFFICIENCY

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# YOUR DEVELOPMENT PARTNER FOR COMPOSITE TEXTILES



Carbon UD tape  
by vombaur

## UD tapes: Efficiency booster

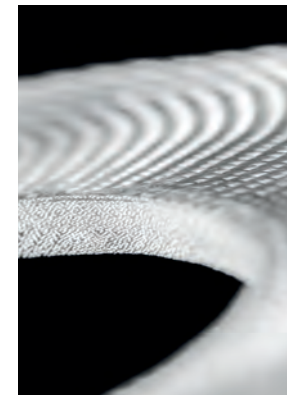
UD tapes from vombaur have stable selvages and low undulation. This enables the production of wound composites with smooth surfaces and without fraying. The high-tech tapes ensure safe and precise fibre guiding and high reproducibility. Using winding processes, UD tapes from vombaur offer significant advantages over the processing of rovings.

- > Stable selvages
- > Low undulation
- > Precise fibre guiding
- > High resource utilisation and low recycling costs
- > High load-bearing capacity
- > Individual specifications
- > For highly rigid and high-strength hollow bodies

## Spiral tapes: For round geometries

Spiral tapes by vombaur provide many advantages in the production of composites with round geometries. They increase the quality of the components, facilitate reproducibility and eliminate sources of error in production. They allow the manufacturer to precisely achieve the desired strength and flexibility in the component. Shape, diameter, filament orientation and weft material are customised. The thickness and number of layers are adapted to the end product.

Glass ring made  
of spiral fabric by  
vombaur



From UD tapes through spiral tapes to round woven tubulars: Wherever low weight and high strength are required, narrow textiles made by vombaur are used as a base material for high-quality composites. Our narrow textiles made of high-performance fibres are woven individually – in collaboration with you and for the specific task at hand.

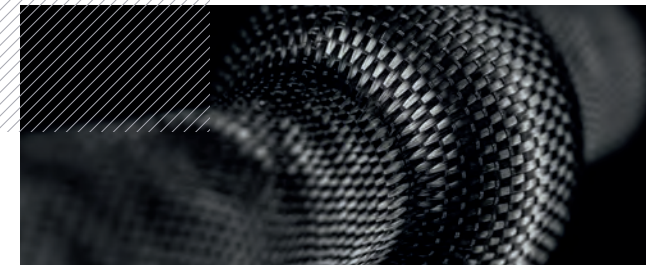
- > Radially oriented
- > Increased process efficiency
- > Minimised waste
- > Various internal and external diameters possible
- > With compacted number of layers for high fibre volume

## From carbon to copper:

- > Aramid
- > Carbon
- > Copper
- > Flax
- > Glass
- > Stainless steel
- > Hybrids

## Application sectors:

- > Aviation & aerospace
- > Construction & water management
- > Maritime & mobility
- > Medical & orthopedics
- > Sports & outdoor
- > Safety & protection
- > Tank & pipe construction



Stretchable  
carbon tube

## Round woven tubulars: Perfect fit

We develop round woven tubulars with elastic weft for you. This allows the coverage of round parts with diameter variations by using the same elastic tubular.

- > Ready-to-use form
- > Produced in ready-to-use diameter
- > With elastic weft
- > 0° orientation over the whole length of the component