

DORNIER 3D Weaving Machine

With DORNIER 3D weaving technology, complex 3D woven textiles for composite reinforcements can be realized. The 3D weaving machine features digital programming of the weaving pattern, flexible shed geometry and “free-flight” rapier movement.



Your additional value

- High flexibility regarding weaving pattern and fiber material
- Mono rapier “free-flight” for low filamentation
- High reproducibility
- Complex fiber architectures
- Reinforcement fibers in X-, Y- and Z-direction
- Realization of near net shape preforms
- High performance multilayer structures
- Horizontal take-off for high product quality

Technical data

Reeded width:	420 to 1,300 mm
Speed:	Max. 200 picks/min.
Weft:	8 colors
Warp:	Creel with recovery mode
Take-up:	Horizontal take-off (HTO) with linear movement
Jacquard machine:	Stäubli UNIVAL 100 with 2,112 hooks

For more information please contact us

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