

STAXX COMPACT

FIBER PLACEMENT
MACHINING CENTER



COMPOSED TO COMPETE

- Standalone Fiber Placement Center
- Scalability for high volume production
- High layup rate
- User friendly operation

STAXX COMPACT - FIBER PLACEMENT CENTER

Area of Application

The STAXX COMPACT is a robust standalone 16lane fiber placement machine designed for high volume industrial production. The system is ideally suited for the mass production of small composite parts. It achieves high workpiece quality while minimizing material waste.

It comes with Broetje-Automation's HMI (Human Machine Interface) SCORE coupled with an automated workpiece loading and unloading system as well as intelligent quality control results in reduced workload, thus decreasing labour cost and cycle times. The machine allows for integration into a flowline concept connecting multiple stations in order to automate and accelerate the manufacturing process even further.

Technical Data

Material flexibility: 16 tow Towpreg, Prepreg and Dryfibre 1/4" (6,25mm) or 1/2" (12,7 mm)	Air conditioned enclosure including creel and material storage
Feed rate 60m/min Cut on the fly 45m/min	Double-sided parallel loading / unloading with zero point clamping systems
Max. part length: 66,92" (1700mm) Pallet size: 1525mm x 900mm	Pallet handling system
4-axis layup (x,y,z,c) Z-travel: 500mm	Ultra-compact machine design: 6500mm x 3000mm x 3000mm
Electrical Installation: 30kW Pneumatic Installation: 6bar	Siemens 840D-SL Controls

Special Features

High performance coupled with great versatility



- Direct layup of 2D unidirectional carbon fiber net shape
- Totally enclosed and air conditioned system for maximum flexibility
- No limitations in fiber orientation
- Automated component loading and unloading
- Closed air conditioned cell resulting in high safety and high scalability
- Easy material reloading
- Operator friendly Human machine interface
- Compact dimensions, easy relocation



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