

BROETJE
AUTOMATION

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Fastening Systems

Assembly Stations

Jigs & Tools

Mobile Systems

Process Technologies

Operational Tooling

Digital Solutions

Factory Integration

Structural Engineering

Project Management

Maintenance & Service

EQUIPMENT

SERVICES

PROCESSES

INTEGRATION

Equipping
the Factory of
the Future

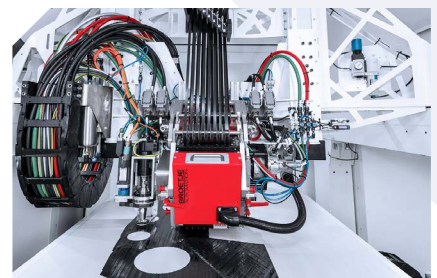
STAXX COMPACT

fiber placement machining center

FIBER PLACEMENT CENTER — STAXX COMPACT

The **STAXX COMPACT** is a robust, standalone 16-lane fiber placement machine built for high-volume industrial production. Ideal for mass-producing small composite parts, it ensures high quality with minimal material waste.

It features Broetje-Automation's SCORE HMI, automated loading/unloading, and intelligent quality control to reduce workload, labor costs, and cycle times. The machine can be integrated into a flowline to connect multiple stations and further streamline production.



Material flexibility: 16 tow Towpreg, Prepreg and Dryfibre 1/4" (6,25mm) or 1/2" (12,7 mm)

Feed rate 60m/min
Cut on the fly 45m/min

Max. part length: 66,92" (1700mm)
Pallet size: 1525mm x 900mm

4-axis layup (x,y,z,c)
Z-travel: 500mm

Electrical Installation: 30kW
Pneumatic Installation: 6bar

Air conditioned enclosure including creel and material storage

Double-sided parallel loading / unloading with zero point clamping systems

Pallet handling system

Ultra-compact machine design:
6500mm x 3000mm x 3000mm

Siemens 840D-SL Controls

- › 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 / unloading
- › Enclosed air conditioned cell resulting in high safety and high scalability
- › Easy material reloading
- › Operator friendly human machine interface
- › Compact dimensions, easy relocation