

ROBOTIC FIBER PLACEMENT

BROETJE
AUTOMATION

STAXX ONE

PORTABLE SINGLE
TOW AFP CELL

- Plug & Play Robotic Fiber Placement
- Ideal Solution for Prototyping, R+D Applications, Complex Parts
- Multiple Material Capability

STAXX ONE - PORTABLE SINGLE TOW AFP CELL

Area of Application

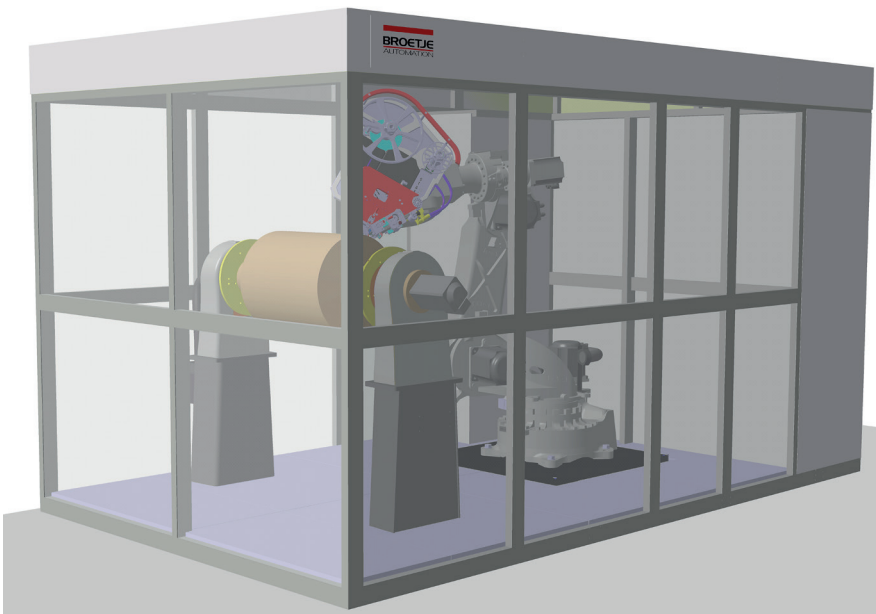
The portable STAXX ONE Cell features a fully 3D capable robotic AFP system in a portable and self-sustaining portable and self-contained environment. The configuration with either a rotary table or a tailstock, both fully integrated into the controls, gives it a wide variety of applications for manufacturing complex parts, test panels, tanks, etc.

Equipped with infrared heating, it can layup prepreg, dry fiber and thermoplastic materials up to 400°F/200°C.

Technical Data

Footprint of 7.9ft x 13.1ft/240cm x 400cm, weight of cell approx. 9000lb/4080kg	Controlled pneumatic compaction up to 0.67lb/30dN
Rotation table with 4.2ft diameter or tailstock with 1100lb/500kg max. weight	Internal water cooling for AFP head down to 45°F/8°C
Offline programming and simulation system	AC for temperature controlled environment between 60°F/16°C and 75°F/24°C
Kits to switch material widths between 1/4", 1/2", 1" and 2"	SIEMENS controlled system
Compaction roller with anti-sticking polymer coating	

Portable Work Cell Configuration



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EQUIPPING THE FACTORY OF THE FUTURE

January 2024 | Technical Data depending on individual machine configuration | No Contractual Information

www.broetje-automation.com