

AZL Tech Center - System Specifications

AZL Laser-assisted tape placement Ultra- Fast Consolidator

- In-situ consolidation of thermoplastic UD-tapes
- Manufacturing of customizable reinforcement structures for injection molding & pressing
- In-situ reinforcement of formed thermoplastic parts

Detailed Technical Specifications

- Maximum laser power of 2.500 W
- Closed-loop temperature control up to 400 °C
- Maximum consolidation force of 240 N
- Actionable tape tensioning system
- Processable tape width of 25.4 mm
- Process speeds up to 1 m/s (depending on requirements)
- Fully certified laser-safe system (laser class 1)

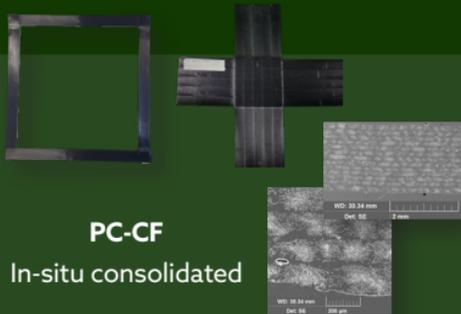


Available
for you!

Main Specifications

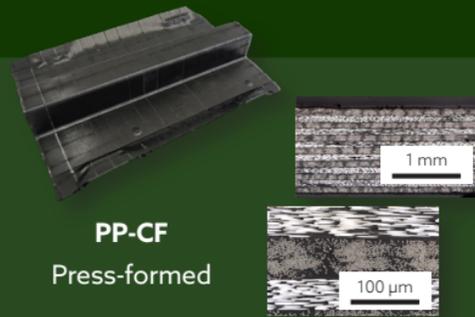
Temperature	>400 °C
Max. consolidation force	240 N
Max. speed	1 m/s
Max. part diameter	700 mm

Exemplary Parts



PC-CF

In-situ consolidated



PP-CF

Press-formed



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Scan for
more info:

