

Pepin Associates Inc.

Capability Statement

- Materials R&D • DiscoTex® Carbon Fiber • Engineering

Pepin Associates Inc. develops unique carbon fiber materials for composites for use in hypersonics, aviation, and other applications of composites. The company has a patented technology that forms complex shapes that greatly reduces manufacturing costs in forming composites and reducing rejected parts in manufacturing.

Pepin Associates also works on projects with Pepin Aero to create aviation solutions for medevac in littoral areas.

Example PMC net lay-up closed shape forming



Core Competencies

Materials R&D

- Specializing in production of Cf-SiC and Ultra-high temperature ceramic matrix composites (UHT-CMC) components, with automated fabric cutting, resin transfer molding, tooling production, polymer infiltration pyrolysis (PIP) CMC processing and out-of-autoclave (OOA) curing.

Testing & Instrumentation

- Testing instrumentation for materials research – 20K lbf mechanical test machine, 50-ton hot press, Industrial Oven

Patented Technology

- Unique, trademarked carbon fiber textile that simplifies forming complex shapes and can be used in hypersonics, automotive and other composites-based industries.

NAICS	DUNS	CAGE
541715	623658077	1QJK6
541380	UEI	PSC
	HD2GMSCAKY3	AC32, AC12

Past Performance

Agency	Year	Contract #
DLA	2024	SP4701-24-C-0031
NASA	2020	80NSSC220C0561
ONR -S&T	2008	N00014-08-C-0631
USAF	2005	FA865005C3560
DARPA	2002	DAAH01-02-C-R195
UCAV	2000	F33615-00-C-3045
DOE	1993	DE-FG02-90-ER80960

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