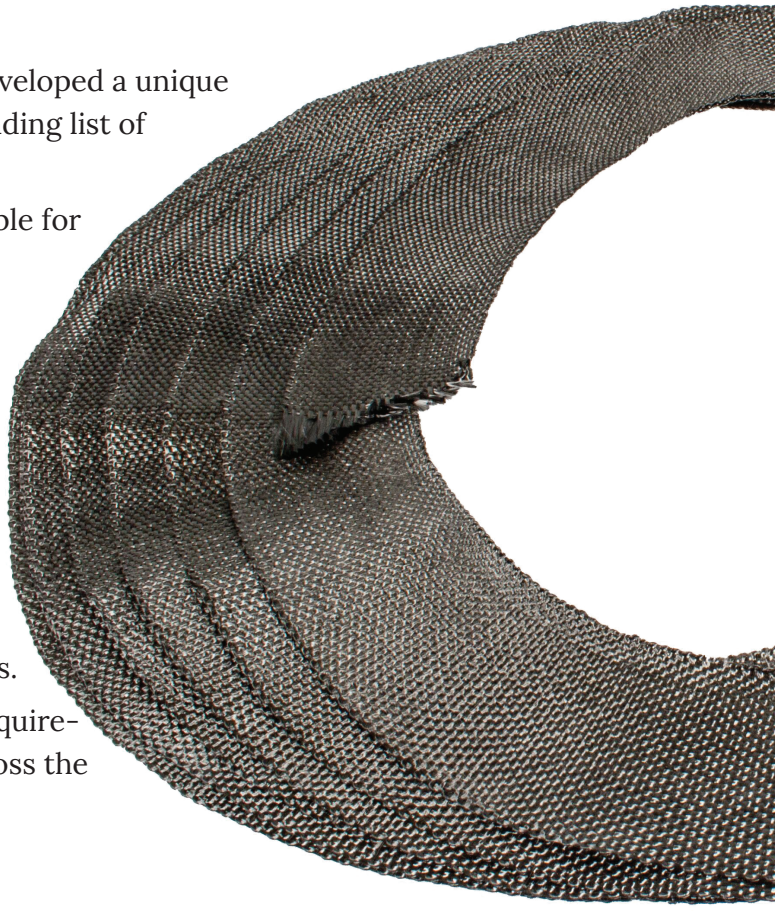
ADVANCED POLAR/SPIRAL WOVEN STRUCTURES

HIGH-PERFORMANCE, COST-EFFECTIVE SOLUTIONS FOR THE AEROSPACE INDUSTRY



The Advanced Products Group at Bally Ribbon Mills has developed a unique weaving technology that opens the door to a rapidly expanding list of applications for aerospace designers.

Our polar woven and spiral woven structures are responsible for recent developments in:

- Carbon brakes, flywheels, aircraft engine containment systems, missile structures, radomes and bulkheads.
- Flywheels and reaction wheels for gyroscopes and power-storage devices in satellites.

Spiral weaving involves the interlacing of two sets of yarns, hoop and radial, into one material with a constant thickness, fiber volume and distribution of hoop-to-radial fibers. In polar weaving, the preform has a varying thickness, fiber volume and distribution of hoop-to-radial fibers.

Always ready to adapt our technologies to your specific requirements, Bally Ribbon Mills can even vary the properties across the width of the polar weave.

BRM
Bally Ribbon Mills

ADVANCED PRODUCTS GROUP

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