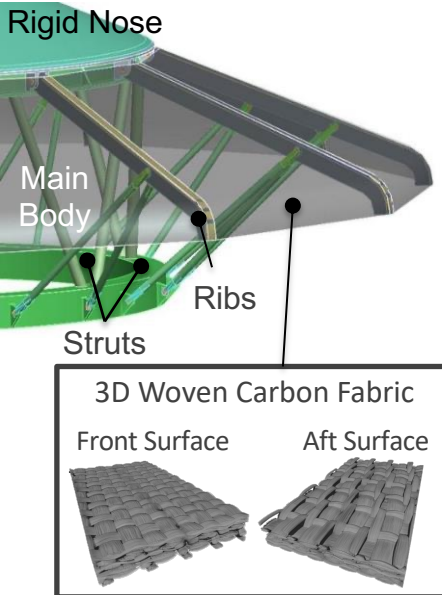
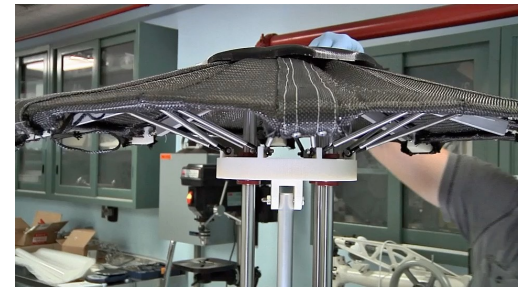


Adaptable, Deployable Entry and Placement Technology (ADEPT)



ADEPT's Major Benefits:

- Overcomes entry vehicle packaging and volume constraints in LV shroud or as secondary payload
- Deployed configuration achieves low ballistic coefficient (M/CdA), reducing peak heating and dynamic pressure loads;
- Woven carbon fabric, tested up to 250 W/cm^2 , is suitable for extreme heating conditions including Venus science missions



"Umbrella-like" mechanical deployment



ADEPT arc-jet test at Mars entry conditions

ADEPT Designs	SmallSat Class (1-3m Diameter) (Tech Demo or Secondary Payload)			Robotic Class (4-12m Diameter) (Discovery, New Frontier, Flagship)	
Ballistic and Lifting Entry Vehicle Concepts	<p>SR-1 (2018 Flight Test)</p> <p>1m-3m Diameter</p>	<p>Project Pterodactyl</p>	<p>ADEPT Drag Modulated Aerocapture</p>	<p>ADEPT VITaL (1 mT Venus Lander)</p> <p>6m Dia.</p>	<p>Ice Giant DMA Concept</p> <p>12m Dia.</p>