



Thermal Materials Protect Priceless, Personal Keepsakes

Johnson Space Center

**DreamSaver Enterprises LLC
Houston, Texas**

NASA Technology

- ◆ Following the Space Shuttle Columbia accident, NASA developed materials and techniques for the inspection and repair of the shuttle's thermal protection system, should it be damaged during flight
- ◆ Dr. Scott Parazynski was designated the Astronaut Office lead for TPS inspection and repair



Partnership

- ◆ Parazynski retired from NASA and started working with Chris Shiver to incorporate concepts from his NASA work into an enclosure to protect personal items in the event of a fire or flood
- ◆ Shiver and Parazynski collaborated with former NASA engineer Clark Thompson for DreamSaver Enterprises LLC and borrowed concepts from their space work for a commercial product

Benefits

- ◆ DreamSaver's Home Protection System is a footlocker-sized box that can withstand 98 percent of residential fires and 99 percent of water disasters
- ◆ The company can create custom coverings for the box to match home décor
- ◆ DreamSaver is on the HTC/Johnson campus