



NASA Ames Mold Impression Laser Tool

NASA Ames engineers are developing a unique handheld instrument to aid workers on the ground of Kennedy Space Center in the critical but often tedious task of evaluating damage to the space shuttle's protective thermal tiles after each flight.

- This small 3D scanning device, called the Mold Impression Laser Tool or MILT, will offer an automated, accurate, systematic, and reliable means of assessing and archiving Thermal Protection System (TPS) integrity.
- The benefits of using MILT will be increased vehicle TPS integrity and a reduction in vehicle turn-around time.
- The MILT project is a cooperative effort with Ames Research Center, Kennedy Space Center, and the Space Shuttle Program Office at Johnson Space Center.



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