

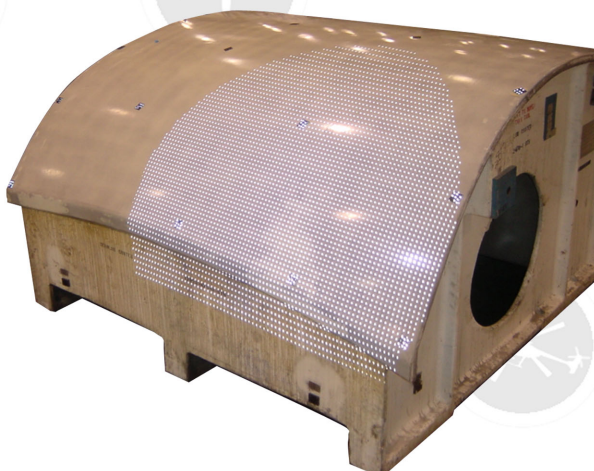
# PRO-SPOT

High-accuracy, large-volume,  
non-contact 3D measurement

## Picture Perfect Measurements™

Geodetic Systems Inc. (GSI) presents **PRO-SPOT**, a measurement system for fast, accurate, dense, non-contact 3D measurement of large surfaces such as molds, master models, panels, antennas, and other components.

**PRO-SPOT** works by stroboscopically projecting thousands of dots onto the surface. These dots are measured by a single-camera **V-STARS/E**, single-camera **V-STARS/S** system or a multiple-camera **V-STARS/M** system.



V-STARS/E



V-STARS/S



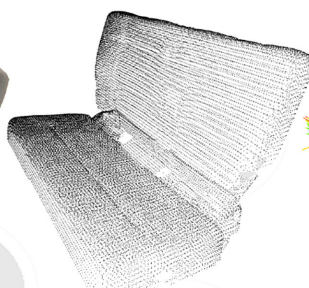
V-STARS/M

A **V-STARS/S** or **V-STARS/E** system can measure static objects by taking pictures from various locations using its single camera. A **V-STARS/M** system, can measure objects nearly instantaneously thanks to its dual synchronized cameras and **PRO-SPOT's** high-speed flash. It can even measure slowly moving objects or objects undergoing low-frequency deformation.

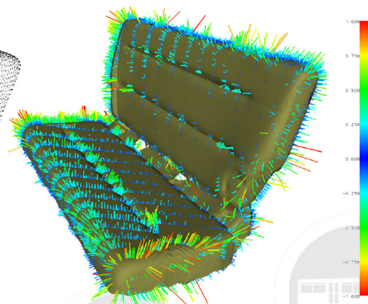
Surface measurement as easy as...



1...



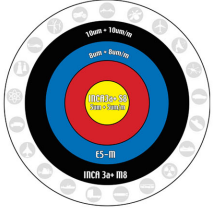
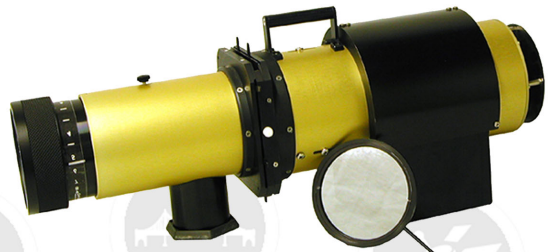
2...



3.

# PRO-SPOT

## System Features...



### High Accuracy

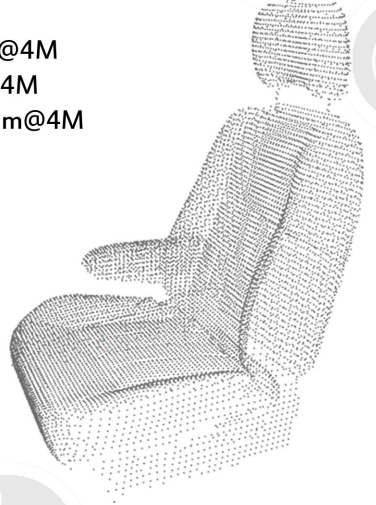
Accuracy depends strongly on surface quality. On high-quality surfaces accuracy is as good as or better than accuracy using targets, namely:

- V-STARS/E5-M better than  $8\mu\text{m} + 8\mu\text{m}/\text{M}$  or  $0.04\text{mm}@4\text{M}$
- V-STARS/S8 better than  $5\mu\text{m} + 5\mu\text{m}/\text{M}$  or  $0.025\text{mm}@4\text{M}$
- V-STARS/M8 better than  $10\mu\text{m} + 10\mu\text{m}/\text{M}$  or  $0.050\text{mm}@4\text{M}$



### Non-contact Measurement

- No surface deformation, movement or damage
- No time or money spent on targeting
- No target thickness or probe offset to remove
- GSI's unique "Combo-Shot" mode means no spraying is needed even on shiny, high-contrast objects

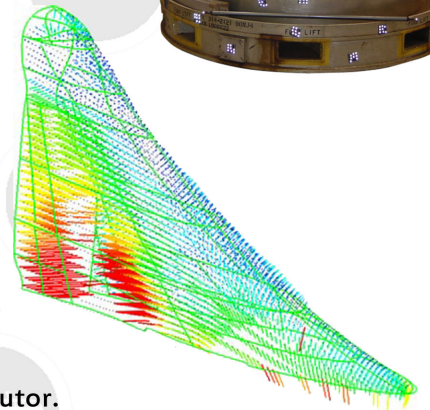
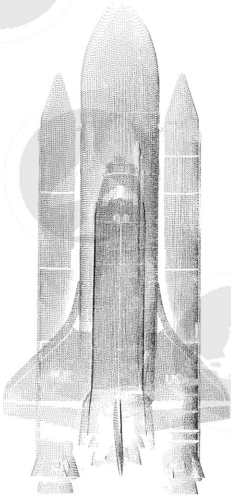


### Fast

- No warm-up time
- Fast, simple set-up and operation
- V-STARS/M: Instant acquisition, results in seconds
- V-STARS/E,S: Results in minutes

### Versatile

- Portable (All equipment can be hand-carried or checked as airplane baggage)
- Variable point densities (up to 22,000 points per setup)
- Measures objects up to six meters in diameter in a single setup
- Measurement volume practically unlimited using multiple setups
- Rugged system designed for in-place measurement in industrial environments (Temperature 0 - 40°C)



For more information on **PRO-SPOT** or any other GSI product, please contact GSI or your local GSI distributor.

Your local distributor



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