

# PRO-SPOT/A

The Automated PRO-SPOT

## Picture Perfect Measurements™

PRO-SPOT/A is an enhanced, 2nd-generation stroboscopic target projector. Like the original PRO-SPOT, it excels at fast, accurate, non-contact 3D measurement of large, dark or shiny objects such as molds, master models, panels, antennas and other components. However, PRO-SPOT/A opens up new, exciting possibilities including completely automated, remote measurement.



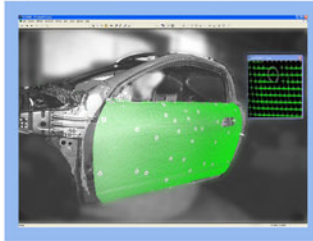
New PRO-SPOT/A features include:

- Remote-control via V-STARS software so measurement from cranes and lifts is now possible
- Greater light output so it can measure larger areas and darker objects in a single setup.
- A hand-held remote control and a stroboscopic modeling light for fast, easy, accurate focusing even in bright conditions.

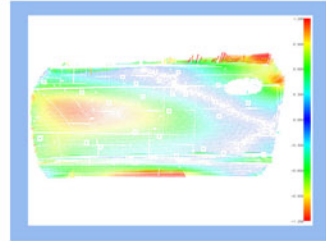
Surface measurement as easy as...



1...



2...



3.

Typical applications include:

### Part inspection

In difficult conditions and with minimal production downtime  
In-line 100% inspection of mass-produced parts

### Antenna inspection

Complete antennas or individual panels.

### Automotive inspection and troubleshooting

Individual parts, body-in-white, rapid prototyping,  
rapid in-line inspection

### Shipbuilding fit-up and part inspection

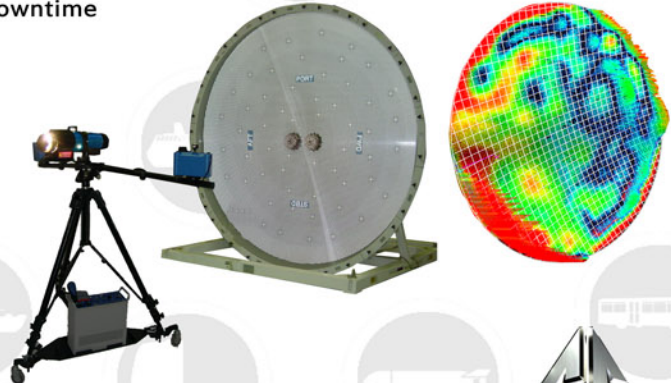
Rapid component verification, hull measurements

### Heavy engineering

Component verification, part mating.

### Wind energy

Blades, spars and molds, in-line measurement



# PRO-SPOT/A

## 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/M8 better than  $10\mu\text{m} + 10\mu\text{m}/\text{M}$  or  $0.050\text{mm}@4\text{M}$

### Fast

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

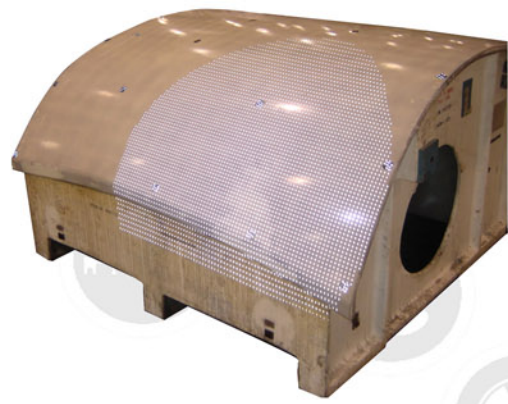
### Versatile

- 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)



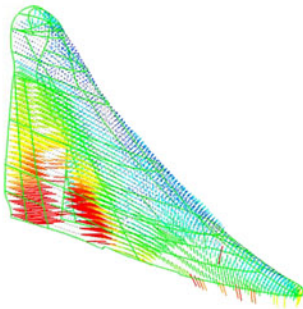
### Non-contact Measurement

- 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



### PRO-SPOT/A Features

- Universal power 110V/240 V
- One light source – for measuring and modeling
- Two lasers beam for easy aiming
- Hand-held Infra-Red remote control unit for:
  - Focus – two speeds
  - Stroboscopic modeling light – two speeds
  - Turning aiming lasers on/off
  - Firing the projector
- Full power recharge rate of less than 6 seconds
- Power selection from 100% (Full) to 1%
- Remote operation by V-STARS thru the INCA camera or the computer's USB port



- 1 Flash slave enable button & sensor
- 2 PC / Controller select buttons
- 3 Fault light
- 4 Flash power knob, 100% (Full) to 1%
- 5 Internal & external IR sensor
- 6 Fire button / Ready light
- 7 Projector focus cable connector
- 8 Modeling light frequency button / light
- 9 Modeling light Start/Stop button / Ready light
- 10 Projector power cable connector
- 11 IR sensor enable button / light
- 12 Laser On-Off button / light
- 13 External slave, USB, INCA connectors
- 14 On/off, fuse and universal power cable

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

### Your local distributor



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