

DIMENSIONAL METROLOGY & REVERSE ENGINEERING



BACKGROUND

SURVICE Metrology is a world-class business unit of the SURVICE Engineering Company that provides full-service dimensional inspection services, modeling, custom-engineered solutions, and advanced research and development capabilities in the field of metrology.

CAPABILITIES

SURVICE Metrology's wide range of capabilities includes:

- High-precision dimensional inspection
- Industrial manufacturing support
 - » Hydroelectric power generation
 - » Aerospace and automotive
 - » Jig and fixture setup and verification
- Reverse engineering

- Scanning
 - » Forensics investigation
 - » Antiquities
 - » Pre- and post-event comparative analyses
- Industrial manufacturing systems integration
- Custom installations
- Research and development
- Structural and fluid dynamics simulation
- 3-D geometry modeling
 - » Technical data package development
 - » Military target exploitation
 - » Rapid prototyping

TECHNOLOGIES

- Laser trackers
- Laser radars
- Laser scanners
- Coordinate measuring arms
- Photogrammetry tools
- Indoor GPS (iGPS) tools
- Fixed-bridge coordinate measurement machines (CMM)
- X-ray CT scanners
- Enhanced-CLR™
- 3-D printing