Please contact Norbert Maerz for details and costs.

Email: norbert@mst.edu
Phone: 573-341-6714
Website: rockmech.mst.edu/services

Rock Mechanics & Explosives Research Center
Now Offers:

- High-end Scanners
- Low-cost Scanners

Rock Mechanics & Explosive Research Center
1006 Kingshighway
Rolla, Mo 65409
Phone: 573-341-4365
rockmech.mst.edu
We have the Experience:

Since 2008, faculty, staff, and students have acquired LIDAR scanning equipment and LIDAR scanning capability. We have developed software both for precision mapping and measurements and developed very precise change detection algorithms. Study after study has found that under controlled conditions and massive oversampling, a distance measurement resolution of up to 0.3 mm can be achieved. We can provide services for measuring problems of all kinds.

Our Capabilities:

We have three full capacity LIDAR Scanners: a Leica ScanStation II, a Leica HDS 6000, and a Faro Focus3D. With these we can precisely measure geometries, and given a series of two or more temporal scans, we can perform change detection. We can detect changes down to 0.3 mm. We also have two next generation solid state LIDAR scanners, the LedderTech M16 and PulsedLight LiDAR-Lite.

Applications:

- Roadway subsidence
- Retaining wall movement
- Mapping
- Slope movements
- Archeology
- Forensic Snapshots
- Measuring volumes of material piles
- Precise measurements
- 3D change detection
- Creating 3D models
- Flood and drainage modeling

We develop custom solutions

No job too BIG or too Small, we are here to meet your specified needs!