

# Scanning fundamentals

## Agenda

### Objective

After completing the course the students will be able to:

- Evaluate the scan site
- Setup hardware
- Place registration targets
- Collect scan data from multiple positions
- Post process scans in Trimble Real Works
  - Load files
  - Use Auto Detection tool to mark targets and place scans
  - Manually identify, mark and name objects (Target Spheres, Paper Targets.)
  - Register data and evaluate fit
  - Export data to downstream application



### Day 1 Training

- Introduction
- Laser Scanning Software Family
- FARO Laser Scanner Focus3D X130
- Scanning Theory & Technology
- Scanner Setup
- Software Installation & Licensing
- User Interface of Scanner Touch Screen
- Setting up the Scan Site, which is at the training lab
- Importing scans into Trimble Real Works

### Day 2 Training

- Using Trimble Real Works
- Settings
- Scan Views
- Registration, Manual and Automatic
- Object Creation
- Filtering & Clean up
- Export data to downstream application
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**Note:** Scanning will take place in a controlled environment, such as AMCA classroom, or on-site at the AMCA.