3D Scanning

Each 3D scanning station is equipped with a NextEngine 3D Scanner Ultra HD, which uses lasers and cameras to scan and render objects in 3D.

The laser scanners are best suited for high-definition replication with focus on small-scale details. If you want to analyze the surface of an object or measure its features, laser scanning is the best choice.

The hardware and software for 3D scanning is easy to learn but can be confusing at first glance.

Consult with the Digital Scholarship Librarian for training.

NextEngine Website and Specifications

For some projects, photogrammetry, which uses photographs to render 3D objects, may be more suitable. For more information, review our Photogrammetry Equipment information.

3D Printing

The 3D Scanning Room has a Makerbot Replicator Z18 3D printer.

With a print space of 12 x 12 x 18 inches and a layer resolution of 100 microns, the Z18 is great for small and large objects alike.

Consult with the Digital Scholarship Librarian to determine whether your project meets our prototyping requirements.

Makerbot Website and Specifications