VisionGauge® OnLine’s LASER Profiling tools allow you to carry out fully automated, high-accuracy 3D measurements.

LASER Profiling involves projecting one or multiple LASER lines at a specified angle relative to the optical centerline. You can then carry out height / depth measurements (i.e. 3D measurements) by measuring the offset of the projections on a (2D) image.

The (2D) offset measurement corresponds to the (3D) depth / height.

VisionGauge® OnLine’s LASER Profiling tool is compatible with various 3D geometries.