Method of measurement

The sample was digitized within the labs of the Faculty of Polymer Technology using a GOM ATOS Core 5M 3D optical measurement system. The resulting point cloud was later fitted against the original CAD model of the measured part, based on which the print was created using DUPLEX's F2 printer.



Findings

The results of the assessment showed that the two-way printing strategy of the F2 printer does not negatively effect accuracy of the printed part.

Moreover, the dimensional deviations of the printed part from the reference CAD data proved to be exceptionally low, a level of accuracy comparable to high-end FDM additive manufacturing systems.



