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## A comparative study of various surface finishing techniques for parts produced by fused deposition modelling

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The objective of the present study is to experimentally reduce the surface roughness of plastic parts by four different post processing techniques such as wax coating, mass finishing, chemical treatment, and sand paper to evaluate the most suitable one. The experiments have been conducted on ABSplus material which is a most popular material for FDM machine. Surface roughness and Dimensional accuracy were selected as the output responses for the present investigation. After the surface finishing, the parts were used as patterns in investment casting process to compare the value of surface roughness and dimensional accuracy. The best method for minimum surface roughness was chemical treatment.

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