

Additive Manufacturing (Am) Which Can Be a Suitable Technology to Personalize Wearable's

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Additive manufacturing (AM) which can be a suitable technology to personalize wearable's is ideal for adjusting the range of part performance such as mechanical properties if high performance is not required. However, the AM process parameter can impact overall durability and reliability of the part. In this instance, user behaviour can play an essential role in performance of wearable's through the settings of AM process parameter. This review discusses parameters of AM processes influenced by user behaviour with respect to performance required to fabricate AM wearable's. Many studies on AM are performed regardless of the process parameters or are limited

to certain parameters. Therefore, it is necessary to examine how the main parameters considered in the AM process affect performance of wearable's. The overall aims of this review are to achieve a greater understanding of each AM process parameter affecting performance of AM wearable's and to provide requisites for the desired performance including the practice of sustainable user behaviour in AM fabrication. It is discussed that AM wearable's with various performance are fabricated when the user sets the parameters. In particular, we emphasize that it is necessary to develop a qualified procedure and to build a database of each AM machine about part performance to minimize the effect of user behaviour.

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