

Footwear products and the role of Industry 4.0 for sustainable production

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Footwear products, as items used as a necessity in our lives, have a long history linked to their production. They have gone through several changes followed by technological advances over the years. Despite these changes, compared to other industries, the footwear industry is still a production based on human labor. Recently, in the field of industrialization as part of the fourth industrial revolution, the technological enablers underpinning the main pillars of Industry 4.0 have proven to have a great impact on footwear production. This paper attempts to collect and analyze data describing these implementations in various steps of production. Among the various advantages presented, the role of Industry 4.0 for sustainable production will be highlighted. In the whole product development process, each step contributes to sustainable production. In the end, these technologies contribute to launch a sustainable product.

Keywords: footwear, Industry 4.0; Sustainable, digitalization.