The impact of technical and organisational innovation concepts on product characteristics

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ABSTRACT

The main objective of this paper is to determine the adoption of technologies and organisational concepts in production companies and to analyse how selected technical and organisational concepts affect products’ characteristics and their introduction onto the market. A further purpose of this paper is to analyse the impact of technical and organisational concepts on the product complexity and to identify where most impulses for innovation come from, as well as their impact on the product complexity. The results are based on a sample of 89 Slovenian manufacturing companies, the data being obtained through the 2012/13 European Manufacturing Survey edition, providing information on the use and upgrading of the more used technologies and organisational concepts. We found that high usages of technical and organisational concepts have a positive impact on the product characteristics in terms of increasing the proportion of complex products. The results also showed that companies obtained more internal information about new products via sales departments whilst the customers were still the important external source of innovation.

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Vpliv tehničnih in organizacijskih inovacijskih konceptov na značilnosti izdelkov

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P O V Z E T E K

Glavni namen članka je ugotoviti stopnjo rabe tehnologij in organizacijskih konceptov proizvodnih podjetij ter analizirati, kako izbrani tehnični in organizacijski koncepti vplivajo na značilnosti izdelkov ter njihovo uvajanje na trg. Prav tako smo v članku analizirali vpliv tehničnih in organizacijskih konceptov na kompleksnost izdelka ter ugotovili od koder prihaja največ vzgibov za inovacije in njihov vpliv na kompleksnost izdelka. Rezultati, ki temeljijo na vzorcu 89 slovenskih proizvodnih podjetij, katerih podatke smo pridobili s pomočjo anketne raziskave »Raziskava proizvodne dejavnosti v Evropi« (European Manufacturing Survey) iz leta 2012/13, podajajo informacije o uporabi in nadgradnji največkrat uporabljenih tehnologij ter organizacijskih konceptov. Ugotovili smo, da visoka raba tehničnih in organizacijskih konceptov pozitivno vpliva na značilnosti izdelka v smislu povečanja deleža kompleksnih izdelkov. Rezultati so tudi pokazali, da podjetja dobijo največ internerih informacij za nove izdelke s strani prodaje, medtem ko so kupci najpozumptioneniji zunanji vir.

Ključne besede: Inovacije
Organizacijske inovacije
Tehnične inovacije
Viri inovacij
Zapletenost izdelka

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