先进制造信息参考

2022年第19期

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Effects of innovative effort on different components of productivity: Evidence for the Colombian manufacturing industry

Effects of innovative effort on different components of productivity: Evidence for the Colombian manufacturing industry

Innovative effort has a significant impact on productivity. This article focuses on estimating the impact of innovative effort on productivity and analyzing production technology efficiency and other components related to product and unit input costs. The results indicate that demand characteristics are the largest proportion of factors affecting innovative effort. Therefore, if the goal is to increase physical productivity, a strategy is to increase 1% of internal R&D, technology transfer, technical assistance, and consulting investment, leading to a physical productivity increase of 0.04% to 0.07%.

Innovative marketing, R&D, and technical assistance will increase 0.40% to 0.43% demand characteristics; finally, increasing 1% of machinery and equipment purchase rates will decrease input costs by 0.07% to 0.05%. These results are based on the Annual Manufacturing Survey (EAM) and DANE's Manufacturing Innovation and Technology Development Survey (EDIT) for 2003 to 2012.

Social Sciences & Humanities Open Volume 6, Issue 1, 2022, 100330

Green Manufacturing a Modern Era for Indian Manufacturing Industries: A Review

Green Manufacturing: New Era for Indian Manufacturing Industries: A Review

This article investigates the effects and implementation of green manufacturing in the Indian manufacturing industry. It focuses on analyzing various factors considered in industrial green manufacturing and their importance. The article also emphasizes the use of green manufacturing to form sustainable products and reuse products, shortening their life cycle. It discusses sustainable manufacturing, lean manufacturing, and zero waste manufacturing. The main goal of green manufacturing is to save the environment and reduce product costs.

Recent Trends in Industrial and Production Engineering: Select Proceedings of ICAST 2020

Adoption of green innovation technology to accelerate sustainable development among manufacturing industry

Adoption of green technology to accelerate sustainable development among manufacturing industry