

STUDY REGARDING THE MANUFACTURING PROCESS OF THE AUTOVEHICLES ROOF BARS

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Rezumat. *Procesul de inovare reprezintă principalul factor ce contribuie la dezvoltarea durabilă a oricărei industrii. Industria auto este una dintre industriile puternic „afectate” de acest proces al inovării continue. Dat fiind faptul că există o gamă largă de producători de autoturisme și de o gamă variată de modele de autoturisme competiția este una acerbă și, deci, pentru a putea rezista aceștia apelează la inovare. O astfel de inovare o reprezintă barele longitudinale de pavilion, acestea evoluând de la banalul portbagaj de pavilion, la bare fixe de pavilion, sau barele longitudinale, pentru ca, în prezent, să devină bare longitudinale modulare de pavilion. Aceste bare putând fi „modelate” în funcție de încărcătura ce urmează a fi transportată pe pavilionul autovehiculului.*

Abstract. *The innovation process it's the main contributing factor in a sustainable development of any industry. One of the most affected industries, by this innovation process, is the auto industry. Due to the fact that is one of the most competitive industries, many car producers and a very different range of cars, it has to resort to innovation. The roof bars it is one of the innovations. They have evolved from the ordinary roof trunk, to fixed roof bars or the longitudinal roof bars, to modular longitudinal roof bars. Last of them giving the possibility of being “modeled” depending on the cargo that it has to be transported on roof of the car.*

Keywords: Roof bars, Dacia Sandero Stepway, Dacia Duster, Novares Group, plastic injection, painting, assembly of car components, BOM, technical drawing

1. Introduction

The scientific paper will present the benefits of product innovation both from a functional point of view and from manufacturing point of view. The presented innovation leads to process optimization and to an increased customer satisfaction by having a brand-new product with better design and better utility.

During the analyze of the manufacturing process of the longitudinal roof bars and the modular roof bars, presenting each stage, starting from the raw material to the final product, I highlighted the benefits of the innovation.

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