

Applying a Factorial Design to Determine the Factors Influencing the Quality of Leather Garments for Sports Car

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Abstract: This article is a study case to determine the factors with an effect on the quality of leather garments for sports car. The factors identified with the in the process of leather were feed speed paper, winding speed paper, tension and diameter of paper roll. To carry out this study was developed a factorial design to reduce waste and increase the quality required by customers. The main results showed that the factors with the largest effect were tension and the diameter of paper roll. And the interaction effects showed a high interaction effect caused by the tension and feeding speed, and tension and the winding speed.

Keywords: Factorial Design, Drilling Leather, Garments Sports Car, Quality Improvement