JÖNKÖPING UNIVERSITY
School of Engineering

Design study with Husqvarna Group

Designstudie för Husqvarna Group

HUVUDOMRÅDE: *Produktutveckling & Design*

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Detta examensarbete är utfört vid Tekniska Högskolan i Jönköping inom Produktutveckling och Design. Författarna svarar själva för framförda åsikter, slutsatser och resultat.

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Abstract

Problem description

A design study of renewing a product with Husqvarna Group.

Method

The work was carried out using proven methods in product development. A feasibility study started the project, which together with a failure analysis of the existing product created the foundation for a requirement specification. Through brainstorming sessions, concepts were generated which resulted in final concepts with the help of a FOCUS-group. The FOCUS-group consisted of staff members from Husqvarna Group in Huskvarna. Prototypes of the concepts were developed using trial-and-error method and evaluated by the group. Test results from performed tests were taken into account which resulted in final prototypes of the concepts.

Results

The project resulted in two prototypes ready for further development. The two concepts are based on the same function but provide solutions to other requirements in varying ways.

Discussion and conclusions

All selected concepts possess improvement potential in function. Through tests, deficiencies are noted in the concepts that should be reviewed to optimize the function of a final product.

The prototypes should also be tested and further evaluated before they reach the market. This is to ensure optimized function and from a financial point of view create a more profitable product. Also, prototypes are considered in need of a thorough field study in order to evaluate factors such as wear, reaction to weather conditions and durability.

The prototypes should also undergo a manufacturing adaptation to optimize the product for the chosen production method.