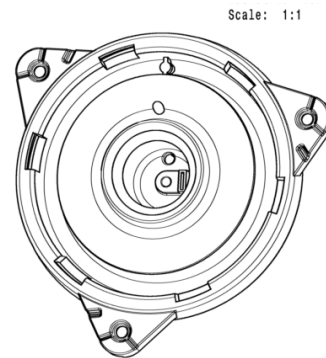
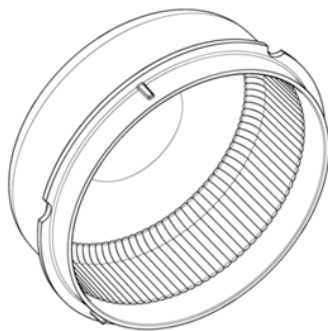


RESEARCH ON IMPROVING THE QUALITY OF LIGHTING SYSTEMS IN THE AUTOMOTIVE INDUSTRY

Goal of the project

To transfer knowledge to the technical staff in order to improve the quality of their products by understanding the geometrical product specification method (GPS) and developing better understanding of plastics materials and processing by injection.



Short description of the project

Using the GPS method to the lighting plastic injection parts.

Project implemented by

Design Department of HRO-SA & HRO-AM, S.C. Hella Romania S.R.L., Timișoara & Lugoj

Implementation period

14.02.2017-31.12.2017

Main activities

Analysing the specifications for the parts and making drawings according to the ISO standards using the GPS method. Transferring knowledge for a better understanding of plastics and processing by injection, in connection with product design and manufacturing technology, highlighting solutions for avoiding the errors that cause product failure and the often met problems at the injection forming.

Results

Transfer of geometrical product specification and tolerance analysis methods to technical staff for improving the quality of technical documentation in the design phase and during the injection process of the products. Improve the level of professional knowledge of the engineers working in plastics injection, with focus on plastic parts performance, quality assurance and manufacturing efficiency.

Applicability and transferability of the results

The results of the project are applicable in the Hella company for improving the quality of their products and for increase the productivity. The experience accumulated with this project is very useful for monitoring and optimizing different products in other companies.

Financed through/by

S.C. Hella Romania S.R.L.

Research Centre

Integrated Engineering Research Center

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