

Research Project:**Criteria development for communicating energy efficiency**

Main Goals:

- Create a measuring standard
- Define energy efficiency criteria
- Derive improvement measures
- Develop a communication instrument

The aim of this project is the development of a **measuring standard** for the energy demand of plastics processing machines in close cooperation with industrial partners. In order to develop a standard measurement on reference machines have to be performed. Based on the measuring standard **energy efficiency criteria** will be developed for comparison of different types of machines. Using efficiency criteria energy classes will be defined to categorize machine equipment. These categories will be used to develop a communication instrument for energy efficiency of plastics processing machines. The **communication instrument** shall serve as purchasing criteria for clients as well as incentives for manufacturers to develop energy efficient machines. A list of possible **improvement measures** will be developed to upgrade in energy efficiency category. This list of improvements will be evaluated regarding feasibility in workshops with manufacturers and clients. At the end the energy label will be promoted at international conferences and trade fairs.

Creating comparability of energy efficiency of machines through a measuring standard is a main aspect in this project. Marketing and communicating of improved energy efficiency shall be enabled. Manufacturers shall be motivated to develop energy efficient machines. Awareness and demand for energy efficient machines shall result in a competitive advantage for European manufacturers. Currently, there is an urgent need for this type of communication instrument since the machines are hardly comparable. The intended development of the measuring standard shall allow the classification of machines and shall be implemented on a European level.

If you are interested in the current project status or you like to be involved within the project please **contact us**:

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