

# **Lost Foam Inside**

An exchange of experiences on the Lost Foam process

Editor:

Lost Foam Council e.V. (registered association) Paderborn

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## Prologue

The Lost Foam Council e.V. (LFC) has set itself the goal to support the further development of the lost foam process (LFP) in Europe. In the course of this, the association sees itself explicitly as a link between the different interest groups from the economic, industrial, research and political sector.

All LFC members were involved in the development of Lost Foam Inside and it reflects their several years of experience. With this book the LFC e.V. wants to provide information on the lost foam process (LFP), and it wants to provide help and assistance for the users of and the newcomers to this process.

In addition to the foundries which use this casting process, the design engineers and the designers were defined as another particular target group, because they can decisively influence and determine the possibilities for value creation already during the development/designing of a component. In this field the lost foam process often provides unused opportunities to reduce the weight and the amount of materials used, to integrate functions and to reduce the number of parts needed. With this book we want to provide the opportunity to incorporate, already at this early stage, the advantages of the lost foam process into the designing of components. This book is divided into topical units, so that a direct entry into a specific topic can be facilitated.

Besides this publication the LFC and its members are always available as contact partners and they are actively engaged in different research projects related to the lost foam process.

In order to quickly reach new insights about quality and physical characteristics of or about investments for castings produced in the lost foam process and to reduce the risks, the LFC closely cooperates with research institutions like the Fraunhofer Institute IFAM in Bremen. At the IFAM everything is available - not only the whole process chain, but also the technical know how and the metallurgical competence. In that way advance develop-

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ments for lost foam cast parts can be conducted without any investments in plant technologies. With these findings it is possible to evaluate quality and function correctly and then those will help you to take the right decisions.

For further information or if you have any inquiries please contact the LFC at:

[info@lostfoamcouncil.de](mailto:info@lostfoamcouncil.de)

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This is the first edition of „Lost Foam Inside“. Please send all your additions, suggestions and other data to [info@lostfoamcouncil.de](mailto:info@lostfoamcouncil.de) via e-mail. Thank you very much!

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