Practice of thermal spraying
Guidance for technical personnel
Preface

The contents of this book have originated from an accumulation of experience gathered in numerous years of training thermal sprayers to become European Thermal Sprayers (ETSs) and in many years of our own practical experience in coating plants.

It is a difficult undertaking to portray and explain the practice of thermal spraying in all its aspects. On the way to the formulation, the respective descriptions have almost assumed the character of a work of reference. For example, words are marked with * in the texts of the individual chapters and the explanations of them can be found in the glossary. Perhaps, the reader also feels that a lot of things are indeed more difficult to express than they evidently turn out to be.

We would like to thank all the people who have helped us with this book in word and deed. This gratitude goes, above all, to Mrs. A. Ohliger-Volmer and Mr. R. Huber who have tirelessly provided material and reports. Further information, photographs and notes have been made available by the following firms and institutions:

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We are glad that this book has been turned into reality. Thus, we are also helping to attain an important objective: The coating of components with thermal spraying processes should only be carried out by specialist personnel!

Wolfenbüttel and Landshut, April 2014

Hans Mathesius and Werner Krömmer
Foreword

In today’s fleeting, fast-moving way of life, the courage to write a technical reference work was well rewarded by the very positive response to the first edition of the book you are now reading. In a compact and clearly presented second edition, the two authors have successfully put to paper the theory, practice and latest developments pertinent to thermal spray technology.

With its lucid structure and train of thought, which take the reader through the entire field of thermal spraying, the book has made itself indispensable as the reference guide for both seasoned experts and newcomers to the technology.

The strength of this work lies in its extensive wealth of information underscored by the breadth and depth of the knowledge imparted. By the same token, the well-illustrated practical approach combined with the theoretical principles of thermal spraying confer the book the high ranking it deserves among the many different surface treatment methods.

This second edition has been revised and extended and, as hoped for, also translated into English. This continues to render it the most up-to-date reference work for thermal sprayers.

Congratulations to the two authors Dr Hans A. Mathesius and Werner Krömmer and the publisher DVS Media GmbH on this outstanding compendium.

Unterschleißheim, April 2014

Peter Heinrich
Member of the Executive Board of the Association of Thermal Sprayers (GTS e. V.)
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