

HANSER

Gerd Pötsch, Walter Michaeli

Injection Molding

An Introduction

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Vorwort

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Preface 2nd Edition

Injection molding is still one of the most fascinating, attractive, and efficient technologies in plastics processing. And it is getting even more economical and innovative since novel technologies (modifications of the classical injection molding technology) such as multi-component injection molding, gas- and water-assisted injection molding, and in-mold decoration, are emerging, showing a significant attractiveness.

All these new processes are now integrated in this revised edition.

The basic purpose of this book is to give readers an overview of the injection molding process and all its related aspects, such as material behavior, machine and mold design, and the molding process itself.

We wrote it in a simple language to open its content to a broad group of readers – from beginners in this field to advanced professionals in polymer processing.

We thank all the people involved in this revision of our book. First of all we like to thank Dipl.-Ing. Christoph Lettowsky, head of the injection molding department at the Institut für Kunststoffverarbeitung (IKV) at RWTH Aachen University, Germany, who contributed significantly to the chapter describing novel injection molding technologies and the overall revision of this book.

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Gerd Pötsch
Walter Michaeli