

Textile Technology

Burkhard Wulfhorst, Thomas Gries

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Vorwort

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Preface

This first part of this book is based on the lecture “Textiltechnik 1” that I have given at the RWTH Aachen for students of textile engineering, trade school teacher students, and students of economics with a minor in textile technology.

It covers all processing steps for the manufacturing of textiles. The book starts with an overview of the textile industry, its history, and the current market. This is followed by a description of the various raw materials, the different methods of yarn and fabric manufacturing and an introduction to knitting technology, nonwovens, finishing, and ready-made garment production. As technical textiles are becoming more and more important, one chapter is focused on their production as well as on typical applications. The book concludes with a discussion of current recycling processes.

To provide a better understanding of the individual textile processes, an example is given at the end of each chapter that describes the respective processing step with regard to a particular textile product.

In addition, current and future development trends are discussed at the end of each chapter.

An extensive references list at the end of each chapter can be used for further studies.

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Univ.-Prof. Dr.-Ing. Dipl.-Wirt. Ing. Th. Gries edited the chapter on chemical fibers. Mr. Ph. Moll and Dr.-Ing. G. Tetzlaff read the chapter on processes and machines for making-up proofs.

Our special gratitude goes to the Carl Hanser Verlag for their excellent cooperation and the production of this book.

Preface to the English Edition

Due to the demand for an English edition of this book, the text was revised and new references added.

Dipl.-Ing. I. Parker PhD and Mrs. A. Itterbeck translated the German version of the book into English.

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Burkhard Wulfhorst
Thomas Gries