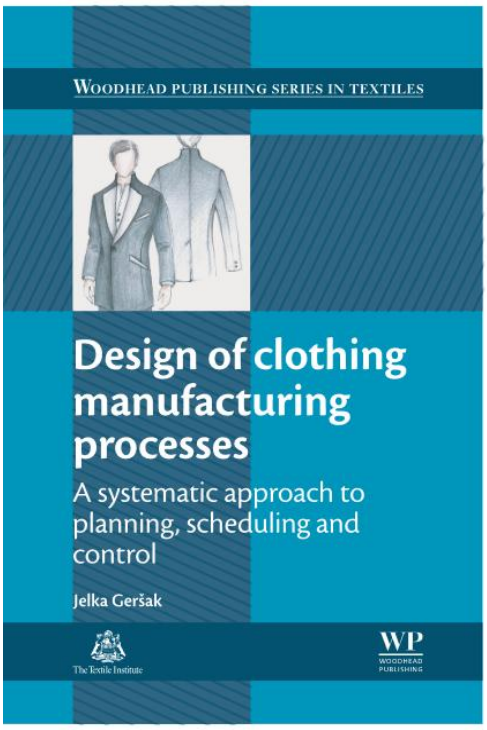
DESIGN OF CLOTHING MANUFACTURING PROCESSES
A systematic approach to planning, scheduling and control



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From the Preface

The era of mass manufacturing of clothing and other textile products is coming to an end; what is emerging is a post-industrial production system that is able to achieve the goal of mass-customised, low volume production, where the conventional borders between product design, production and user are beginning to merge. To continue developing knowledge on how to design better products and services, we need to design better clothing manufacturing processes grounded in science, technology, and management to help the clothing industry to compete more effectively. Design of clothing manufacturing processes reviews key issues in the design of more rapid, integrated and flexible clothing manufacturing processes.

The eight chapters of the book provide a detailed coverage of the design of clothing manufacturing processes using a systematic approach to planning, scheduling and control. The book starts with an overview of standardised clothing classification systems and terminologies for individual clothing types. Chapter 2 explores the development of standardised sizing systems. Chapter 3 reviews the key issues in development a garment

collection. These chapters provide the context for designing particular clothing manufacturing processes.

The following chapters discuss particular aspects in the design of clothing production operations. Chapter 4 discusses key terms and roles in clothing production planning and organisation. It reviews issues and documentation in design analysis and activity planning. The specific issues in the design of pattern making and cutting operations are discussed in Chapter 5. Chapter 6 deals with planning clothing manufacturing operations, including the selection of particular techniques and equipment as well as different process layouts. Production scheduling, monitoring and control are covered in Chapter 7. The last Chapter provides an overview of quality requirements for clothing textile materials, definitions and minimum quality standards.

Design of clothing manufacturing processes is intended for R&D managers, researchers, technologists and designers throughout the clothing industry, as well as academic researchers in the field of clothing design, engineering and other aspects of clothing production.

- Considers in detail the design of sizing and classification systems
- Discusses the planning required in all aspects of clothing production from design and pattern making to manufacture
- Overviews the management of clothing production and material quality requirements

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