

Design Of Clothing Manufacturing Processes A Systematic Approach To Planning Scheduling And Control Woodhead Publishing Series In Textiles

This book examines in detail key aspects of sustainability in the textile industry, especially environmental, social and economic sustainability in the textiles and clothing sector. It highlights the various faces and facets of sustainability and their implications for textiles and the clothing sector.

There is no doubt that the textile industry – the production of clothing, fabrics, thread, fibre and related products – plays a significant part in the global economy. It also frequently operates with disregard to its environmental and social impacts. The textile industry uses large quantities of water and outputs large quantities of waste. As for social aspects, many unskilled jobs have disappeared in regions that rely heavily on these industries. Another serious and still unresolved problem is the flexibility textile industry companies claim to need. Faced with fierce international competition, they are increasingly unable to offer job security. This is without even considering the informal-sector work proliferating both in developing and developed countries. Child labour persists within this sector despite growing pressure to halt it. Fashion demands continuous consumption. In seeking to own the latest trends consumers quickly come to regard their existing garments as inferior, if not useless. "Old" items become unwanted as quickly as new ones come into demand. This tendency towards disposability results in the increased use of resources and thus the accelerated accumulation of waste. It is obvious to many that current fashion industry practices are in direct competition with sustainability objectives; yet this is frequently overlooked as a pressing concern. It is, however, becoming apparent that there are social and ecological consequences to the current operation of the fashion industry: sustainability in the sector has been gaining attention in recent years from those who believe that it should be held accountable for the pressure it places on the individual, as well as its contribution to increases in consumption and waste disposal. This book takes a wide-screen approach to the topic, covering, among other issues: sustainability and business management in textile and fashion companies; value chain management; use of materials; sustainable production processes; fashion, needs and consumption; disposal; and innovation and design. The book will be essential reading for researchers and practitioners in the global fashion business.

A new book offering a broad overview of the debates about technologies and gender relations at work in a range of occupational areas. Innovative in its approach it deals with gender relations in terms of the ways in which they influence the design and development of technologies, and how gender relations are themselves shaped by technologies. The book will draw heavily on the theoretical perspective looking at the ways in which sexual divisions of labour and gender relations in the workplace profoundly affect the direction and pace of technological change, and tracks the development of certain technologies showing how, through their evolution, they embody these social relations.

The ultimate guide to manufacturing your clothing designs, from topstitch to bottom hem... Every clothing designer longs to make their mark on the world of fashion. Turning your design vision into a manufacturing reality, however, can be a daunting prospect. When it comes to launching a fashion line, production is one of the most challenging processes, and your success in the apparel business depends on learning every facet of it. Executive manufacturing consultant Adila Cokar draws on her extensive experience to show you how to prepare for production, plan effectively, lower your costs, avoid potential manufacturing problems, design sustainably and more. Fun, focused, and completely in-depth, *Source My Garment* is the ultimate step-by-step insider's guide for entrepreneurs and fashion start-ups to build a thriving, prosperous, and sustainable design business.

'An interesting and important account.' Daily Telegraph Have you ever stopped and wondered where your jeans came from? Who made them and where? Ever wondered where they end up after you donate them for recycling? Following a pair of jeans, *Clothing Poverty* takes the reader on a vivid around-the-world tour to reveal how clothes are manufactured and retailed, bringing to light how fast fashion and clothing recycling are interconnected. Andrew Brooks shows how recycled clothes are traded across continents, uncovers how retailers and international charities are embroiled in commodity chains which perpetuate poverty, and exposes the hidden trade networks which transect the globe. Stitching together rich narratives, from Mozambican markets, Nigerian smugglers and Chinese factories to London's vintage clothing scene, TOMS shoes and Vivienne Westwood's ethical fashion lines, Brooks uncovers the many hidden sides of fashion.

This second edition of *Design of Clothing Manufacturing Processes* comprehensively addresses the design and planning of clothing manufacturing processes, beginning with the classification of clothing and discussion of its market, clothing sizing systems, and the key issues involved in developing a fashion collection. Special emphasis is placed on production planning and control, with detailed coverage of the processes of design, pattern making and cutting, joining techniques, work analysis, clothing manufacturing planning, and the behaviour, performance, and quality of materials critical to the development, planning, and control of manufacturing processes and the sale of garments. With its descriptions of the rapid, integrated, and flexible manufacturing systems of today, driven by demand information, this book explains how new supply chain models and manufacturing processes can lead to a much quicker route from design to distribution. This new edition is updated with important new research and topics, including digital fashion incorporating scientific aspects of fabric modelling, simulation and digital fitting, and the performance of seams as an important criterion for the quality and appearance of clothing. Considers in detail the design of clothing classification and sizing systems Comprehensively presents the requirements of digital fashion, the terminology used for virtual garment, fabric modelling for virtual clothing simulation, and digital fitting Covers the production planning in all aspects of clothing production from design and pattern making to manufacture Provides a thorough review and description of quality requirements for clothing materials Looks in detail at the performance of stitched seams, from the theoretical basis for determining seam strength and the parameters that affect seam strength, to the phenomenon of seam pucker

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. There is a 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.

Recent trends in the fashion market (including an impressive increase in the number of new collections, product assortments and variants, and the emerging mass-customization model) dictate the need for a new approach. "Transforming Clothing Production into a Demand-Driven, Knowledge-Based, High-Tech Industry" discusses the ramifications of such an approach, which must lead to a drastic shortening of the whole cycle from conception to production and retail, as well as a shift from a labor-intensive to a technology- and knowledge-intensive clothing manufacturing industry. "Transforming Clothing Production into a Demand-Driven, Knowledge-Based, High-Tech Industry" is a collection of short papers from prominent researchers involved with the LEAPFROG (Leadership for European Apparel Production From Research along Original Guidelines) initiative. LEAPFROG proposes a revolutionary industrial paradigm based on research results in scientific-technological fields.

Garment Manufacturing Technology provides an insiders' look at this multifaceted process, systematically going from design and production to finishing and quality control. As technological improvements are transforming all aspects of garment manufacturing allowing manufacturers to meet the growing demand for greater productivity and flexibility, the text discusses necessary information on product development, production planning, and material selection. Subsequent chapters covers garment design, including computer-aided design (CAD), advances in spreading, cutting and sewing, and new technologies, including alternative joining techniques and seamless garment construction. Garment finishing, quality control, and care-labelling are also presented and explored. Provides an insiders look at garment manufacturing from design and production to finishing and quality control Discusses necessary information on product development, production planning, and material selection Includes discussions of computer-aided design (CAD), advances in spreading, cutting and sewing, and new technologies, including alternative joining techniques and seamless garment construction Explores garment finishing, quality control, and care labelling

Fashion forms an integral part of everyday life. We have to teach it with freshness and variety to make it meaningfully applicable to life. Fashion and garments provides a comprehensive overview of the fundamental topics one might be expected to cover when teaching or researching fashion and garments, ranging from design principles and elements to merchandising, through to apparel production, marketing and retailing. This book is ideal for college and undergraduate students studying textiles or fashion courses. I cannot claim that all the materials I have written in this book are mine. I have learned the subject from many excellent books. This text books is designed to meet the everyday requirements of students at college and the general readers of fashion. Suggestions for improvement are welcome

Smart clothes and wearable technology is a relatively novel and emerging area of interdisciplinary research within the fashion, textile, electronics and related industries. This book provides a comprehensive review of the end-user's requirements and the technologies and materials available for the design and production of smart clothing. Part one looks at the design of smart clothing and wearable technology including the emergence of wearable computing, end-user requirements, and the design process from fibre selection to product launch. Part two examines the general requirements for merging of a range of textile structures with technology and communications for wearable technologies. Part three reviews the types of production technologies available for the development of smart clothing, including garment construction and fabric joining, and the final part discusses the application of these new technologies in smart clothing products and their presentation to consumers. Smart clothes and wearable technology is a unique and essential reference source for researchers, designers and engineers developing textiles and clothing products in this cross-disciplinary area. It is also beneficial for those in the healthcare industry and academics researching textiles, fashion and design. Examines this emerging area of textile research including a brief history and industry overview Assesses the technologies and materials available for the design and production of smart clothing Summarises requirements for smart textiles from both health and performance perspectives

This fundamental resource for all textile and fashion designers explores over 70 production techniques and over 60 materials used in textile and fashion design. Organized into four main parts Fibre and Yarn Technology, Textile Technology, Construction Technology, and Materials it is a complete overview of the life cycle of textile and fashion manufacturing, from the spinning of yarn to recycling. In parts 13, over 70 major processes are explained in detail, each featuring a technical description, an analysis of the applications, design opportunities and considerations, quality, cost, speed and environmental impact. All of the processes feature detailed step-by-step case studies showing the process either at source or in manufacture at a leading international supplier. Part 4 features essential knowledge on over 60 natural and synthetic materials.

This book examines the manufacturing, supply chain and product-level sustainability of leather and footwear products. This book deals with the environmental and chemical sustainability aspects pertaining to the tanning supply chain and the related mitigation measures. The book also explores interesting areas of leather and footwear sustainability, such as waste & the 3R's and their certification for sustainability. At the product level, the book covers advanced topics like the circular economy and blockchain technology for leather and footwear products and addresses innovation development and eco-material use in footwear by investigating environmental sustainability and the use of bacterial cellulose, a potential sustainable alternative for footwear and leather products.

Fashion is all around us: we see it, we buy it, we read about it, but most people know little about fashion as a business. Veronica Manlow considers the broader significance of fashion in society, the creative process of fashion design, and how fashion unfolds in an organizational context where design is conceived and executed. To get a true insider's perspective, she became an intern at fashion giant Tommy Hilfger. There, she observed and recorded how a business's culture is built on a brand that is linked to the charisma and style of its leader. Fashion firms are not just in the business of selling clothing along with a variety of sidelines. These companies must also sell a larger concept around which people can identify and distinguish themselves from others. Manlow defines the four main tasks of a fashion firm as creation of an image, translation of that image into a product, presentation of the product, and selling the product. Each of these processes is interrelated and each requires the efforts of a variety of specialists, who are often in distant locations. Manlow shows how the design and presentation of fashion is influenced by changes in society, both cultural and economic. Information about past sales and reception of items, as well as projective research informs design, manufacturing, sales, distribution, and marketing decisions. Manlow offers a comprehensive view of the ways in which creative decisions are made, leading up to the creation of actual styles. She helps to define the contribution fashion firms make in upholding, challenging, or redefining the social order. Readers will find this a fascinating examination of an industry that is quite visible, but little understood.

Given its importance for consumer satisfaction and thus brand success, apparel fit is a major challenge for retailers and brands across the industry. Consequently there have been major developments in sizing research and how it can be used in apparel design. This book reviews how these developments are affecting clothing design for different groups of consumers. Part one identifies various aspects of body shape, size, volume and the psychological aspects of designing apparel. This section covers topics such as body shape and its influence on apparel size and consumer choices, sizing systems, body shape and weight distribution (with a discussion of the Body Volume Index (BVI) versus the Body Mass Index (BMI)), and the psychological and sociological factors influencing consumers' choice of apparel. Part two outlines the challenges in understanding the sizing and shape requirements and choices of particular customer groups. This section discusses apparel designed for infants and children, older consumers, overweight and obese consumers, plus size Black and Latino women, apparel design for Asian and Caucasian ethnic groups, sizing requirements for male apparel, maternity apparel, intimate apparel for varying body shapes, and the challenges of designing headwear to fit the size and shape of Western and Asian populations. Designing apparel for consumers provides an invaluable reference for apparel designers, manufacturers, and R&D managers in the textile industry, as well as postgraduate students and academic researchers in textiles. Reviews developments affecting clothing design for different groups of consumers Identifies various aspects of body shape, size, volume and the psychological aspects of designing apparel Outlines the challenges in understanding sizing and shape requirements and choices of particular customer groups

This book reveals the hidden potential of emerging economies to become the new industrial hubs in existing global value chains. Pursuing a data-centric approach, it investigates the presence of foreign direct investment as an instrument for emerging economies to promote active participation in global value chains. This approach is based on time series analyses conducted at the national and industry level, and on datasets retrieved from international databases such as EORA, ICIO, and World Integrated Solutions. The outcomes of robust statistical models indicate that export-related innovations can improve trade openness and transform emerging economies into active players in global value chains. Researchers, developers, and professionals in the field will find a comprehensive and self-contained guide to the topic.

Metric Pattern Cutting for Women's Wear, first published in 1975, provides a straightforward introductory book for students beginning courses in flat pattern cutting. This fifth edition continues to offer an introduction to the principles of pattern cutting, with a range of good basic blocks and examples of their application to garments. New for this edition is the inclusion of colour to help students recognize the different sections of the book and to enhance the garment illustrations? Colour illustrations also offer a new dimension to the updated material on computer-aided design and the CAD chapter now provides students with a clear guide to the technology. The size charts have been revised to reflect the changes in body sizing, the co-ordination with European size charts and to the way that clothes are now marketed to different sectors. The great expansion of casual wear has led to the growth of 'flat cutting' with no darting, and the section devoted to this type of cutting has been further expanded. This best-selling textbook with its tried-and-tested presentation of authoritative text and clear diagrams remains the essential purchase for students of fashion and design.

Biometrics and Kansei Engineering is the first book to bring together the principles and applications of each discipline. The future of biometrics is in need of new technologies that can depend on people's emotions and the prediction of their intention to take an action. Behavioral biometrics studies the way people walk, talk, and express their emotions, and Kansei Engineering focuses on interactions between users, products/services and product psychology. They are becoming quite complementary. This book also introduces biometric applications in our environment, which further illustrates the close relationship between Biometrics and Kansei Engineering. Examples and case studies are provided throughout this book. Biometrics and Kansei Engineering is designed as a reference book for professionals working in these related fields. Advanced-level students and researchers studying computer science and engineering will find this book useful as a reference or secondary text book as well.

Enter the exciting intersection of technology and fashion known as wearable computing. Learn about the future of electronics in clothing and textiles, and be a part of creating that future! Crafting Wearables begins with the history of the field, then covers current practices and future trends. You will gain deeper insight into the strategy behind the design of wearable devices while learning about the tools and materials needed to start your own wearables toolbox. In a time when consumer electronics are becoming smaller and seamlessly integrated into our lives, it is important to understand how technology can improve and augment your lifestyle. Wearables are in a sense the most organic and natural interface we can design, yet there is still doubt about how quickly wearable technologies will become the cultural norm. Furthermore, skills that have become less valuable over the years, such as sewing, are making a return with the wearables movement. Gives a better understanding of wearable technology and how it has evolved Teaches basic skills and techniques to familiarize you with the tools and materials Showcases breakthrough designs and discoveries that impact our everyday interactions What You'll Learn Learn the history of how technology in fashion has evolved over time Discover interesting materials and fabrics for use in wearable technology Glimpse new tools for designing wearable technology and fashion Rediscover sewing and related skills that every wearables enthusiast should learn Learn how new techniques in textile manufacturing could disrupt the fashion industry Understand and respond to the cultural and societal developments around wearables Who This Book Is For The curious designer, engineer, or creative who is looking for insight into the world of fashion technology. It is for someone who wants to start exploring wearables with basic projects and dig deeper into the methods and tools of an expert. Crafting Wearables is intended to impart comprehensive general knowledge of the state of wearables in different industries while providing a well-curated list of example projects and resources by which to begin your personal journey into e-textiles. It is a wonderful read for those who are looking to expand their understanding of fashion and technology from both a hands-on and research-based perspective.

This book reports on the proceeding of the 5th International Conference on Intelligent, Interactive Systems and Applications (IISA 2020), held in Shanghai, China, on September 25-27, 2020. The IISA proceedings, with the latest scientific findings, and methods for solving intriguing problems, are a reference for state-of-the-art works on intelligent and interactive systems. This book covers nine interesting and current topics on different systems' orientations, including Analytical Systems, Database Management Systems, Electronics Systems, Energy Systems, Intelligent Systems, Network Systems, Optimization Systems, and Pattern Recognition Systems and Applications. The chapters included in this book cover significant recent developments in the field, both in terms of theoretical foundations and their practical application. An important characteristic of the works included here is the novelty of the solution approaches to the most interesting applications of intelligent and interactive systems.

The rise of manufacturing intelligence is fuelling innovation in processes and products concerning a low environmental impact over the product's lifecycle. Sustainable intelligent manufacturing is regarded as a manufacturing paradigm for the 21st century, in the move towards the next generation of manufacturing and processing technologies. The manu

This book contains the research on modeling bodies, cloth and character based adaptation performed during the last 3 years at MIRALab at the University of Geneva. More than ten researchers have worked

together in order to reach a truly 3D Virtual Try On. What we mean by Virtual Try On is the possibility of anyone to give dimensions on her predefined body and obtain her own sized shape body, select a 3D cloth and see oneself animated in Real-Time, walking along a catwalk. Some systems exist today but are unable to adapt to body dimensions, have no real-time animation of body and clothes. A truly system on the web of Virtual Try On does not exist so far. This book is an attempt to explain how to build a 3D Virtual Try On system which is now very much in demand in the clothing industry. To describe this work, the book is divided into five chapters. The first chapter contains a brief historical background of general deformation methods. It ends with a section on the 3D human body scanner systems that are used both for rapid p- totyping and statistical analyses of the human body size variations.

Design of Clothing Manufacturing Processes: A Systematic Approach to Planning, Scheduling and Control, Second Edition comprehensively covers the details of traditional and advanced clothing manufacturing processes, from foundational theory and definitions, to technical standards and formulae. With its descriptions of the rapid, integrated and flexible manufacturing systems of today, this book explains how new supply chain models and manufacturing processes can lead to a much quicker route from design to distribution. This new edition is updated with important new research and topics, including 3D printing for textiles and digital fashion. 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 Surveys the management of clothing production and material quality requirements

This book is part of a five-volume set that explores sustainability in textile industry practices globally. Case studies are provided that cover the theoretical and practical implications of sustainable textile issues, including environmental footprints of textile manufacturing, consumer behavior, eco-design in clothing and apparels, supply chain sustainability, the chemistry of textile manufacturing, waste management and textile economics. The set will be of interest to researchers, engineers, industrialists, R&D managers and students working in textile chemistry, economics, materials science, and sustainable consumption and production. This volume addresses the technologies and mechanical processes of textile production, and what sustainable methods can be employed to achieve improved safety and environmental health.

The book covers sustainable aspects of printing, dyeing, coloration, weaving, knitting, tailoring, surface design and antimicrobial finishing for environmentally friendly textile and apparel products.

Materials selection is a crucial factor in determining the cost, quality, and corrosion protection for every engineering project. The variety of increasingly durable materials and their combinations, coupled with the rise of new and more critical service requirements and the demand for lower costs, have expanded upon trial-and-error criteria into methodical, multi-dimensional approaches to materials selection. An invaluable resource that analyzes materials from a microscopic perspective as well as a macroscopic standpoint, *New Materials, Processes, and Methods Technology* is a practical guide to matching and applying the material or materials with the right combination of properties in order to meet your design and service conditions.

The book presents an update of existing materials and processes as well as newly developed materials that have been invented or changed by innovative techniques within the past decade. It details recent research, various analytical methods, key material and design considerations, fabrication methods, and developmental processes. Each section covers a material or material-family and the techniques required for practical applications. Anticipating future trends and prospects, the book also examines the foundations to several innovative technologies, including the potential of tailor-made materials, various types of fuel cells, and the properties of FGMs in current and future metallic and non-metallic systems and models. In its final chapter, the book highlights processes that are poised for production as well as prospects still in experimentation and testing phases. *New Materials, Processes, and Methods Technology* provides today's scientists, technicians, and engineering departments devoted to resolving application requirements with performance properties using a well-executed material selection process.

Theories of Learning in the Workplace offers fascinating overviews into some of the most important theories of learning and how they are practically applied to organisational or workplace learning.

This book presents the Proceedings of The 6th Brazilian Technology Symposium (BTSym'20). The book discusses the current technological issues on Systems Engineering, Mathematics and Physical Sciences, such as the Transmission Line, Protein-Modified Mortars, Electromagnetic Properties, Clock Domains, Chebyshev Polynomials, Satellite Control Systems, Hough Transform, Watershed Transform, Blood Smear Images, Toxoplasma Gondii, Operation System Developments, MIMO Systems, Geothermal-Photovoltaic Energy Systems, Mineral Flotation Application, CMOS Techniques, Frameworks Developments, Physiological Parameters Applications, Brain-Computer Interface, Artificial Neural Networks, Computational Vision, Security Applications, FPGA Applications, IoT, Residential Automation, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Digital Image Processing, Patterns Recognition, Machine Learning, Photocatalytic Process, Physical-Chemical Analysis, Smoothing Filters, Frequency Synthesizers, Voltage-Controlled Ring Oscillator, Difference Amplifier, Photocatalysis, Photodegradation, current technological issues on Human, Smart and Sustainable Future of Cities, such as the Digital Transformation, Data Science, Hydrothermal Dispatch, Project Knowledge Transfer, Immunization Programs, Efficiency and Predictive Methods, PMBOK Applications, Logistics Process, IoT, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Fingerspelling Recognition, Cognitive Ergonomics, Ecosystem Services, Environmental, Ecosystem Services Valuation, Solid Waste and University Extension.

An exploration of emergent roles for design and the 21st century designer explored through the work of 21 research teams. Over a twelve-month period each of these groups held a series of workshops and events to examine different facets of future design activity. Each of the contributions describes the context of enquiry, the journey taken by the research team and key insights generated through discourse. Editor and Initiative Director, Tom Inns, provides an introductory chapter that suggests ways that the reader might navigate these different viewpoints.

GPS-embedded clothing for finding children or skiers when they are lost, bio-monitoring smart shirts, and vests that monitor a patient's vital signs are no longer science fiction but science fact.

It is quite likely that within 20 or 30 years, computers, telephones, and televisions will be a part of our intimate clothing. Covering the whole design cycle of smart clothes, *Smart Clothing: Technology and Applications* examines applications for the general public and highlights the important human factors aspects that make products not only usable but marketable. The book discusses the state of the art in smart clothing technology and applications. The chapters address usability and human aspects relevant to the manufacture and sale of such products and detail the evolving and increasingly wide-ranging applications in fields such as information technology, healthcare, and entertainment. They also cover technology topics including interface, communication, energy supply, data management, processors, and actuators. Discussions of packaging and interconnection, shape memory alloy, and design and modeling of electronic textile applications round out the coverage. With technology news blaring headlines such as *Smart Clothing Coming Soon to Your Galaxy* and *Futuristic Fashions Will Fight Our Health Scares*, can clothing that communicates with your washer and dryer be far behind? It is not enough to understand the technology, you must also grasp the human factor aspects. Identifying the

challenges and potential benefits of smart clothing from both perspectives, this book provides integrated coverage that establishes the need for methods significantly different from traditional ones. Its up-to-date coverage allows you to visualize trends and provides a glimpse into the future.

This book presents a collection of real cases from industrial practices that production system and quality managers implement to ensure a high quality as well as a low cost in products. This book is divided in sections that are focused on: The quality and philosophies implemented to production systems; starting from the product design as well as from the supply system. The principal statistical techniques applied to the quality assurance (statistical quality control, analysis of tests and failure, quality function deployment, accelerated life tests, among others), the process of gathering information, its validation, its reliability process, and techniques for data analysis. The techniques applied to the integration of human resources in the process of quality assurance, such as managers and operators participation, training, and training processes. Use of information and communications technologies, software, and programs implemented to guarantee the quality of the products in the production systems. ISO standards and policies that are used for quality management and monitoring.

Textile manufacturing is an important subject in textile programs and processing industries. The introduction of manmade and synthetic fibers, such as polyester, nylon, acrylic, cellulose, and Kevlar, among others, has greatly expanded the variety of textile products available today. In addition, new fiber development has brought about new machines for producing yarns, fabrics, and garments. Textile Manufacturing Processes is a collection of academic and research work in the field of textile manufacturing. Written by experts, chapters cover topics such as yarn manufacturing, fabric manufacturing, and garment and technical textiles. This book is useful for students, industry workers, and anyone interested in learning the fundamentals of textile manufacturing.

This book deals with the important aspects of green fashion including? Animal Welfare in Ethical Fashion, ?Sustainable Processing of Textiles, Sustainable design case studies, Wool Composting, Consumer behaviour in sustainable clothing market, industrial case studies related to green fashion, etc.

Focusing on four industrial sectors: aircraft, automobiles, clothing and steel, examines changes in the distribution of manufacturing industry worldwide, and the process of adjustment which is a consequence of these changes. Contains four sectoral studies and four case studies (the US steel industry, the Italian clothing industry, the aircraft industry in Indonesia and Singapore, and Mexico's motor vehicle industry).

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In light of the elimination of import restrictions under the WTO at the end of 2004, this book identifies the most recent market developments throughout the entire supply chain and outlines the policy and regulatory challenges that are arising.

This volume was written to support pupils as they work through their GCSE course in design and technology. It contains a mixture of extended projects, focused tasks and activities which together with the key points and sample examination questions support the AQA syllabus.

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