

1. Record Nr.	UNISALENTO991003237109707536
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Titolo	Process planning [e-book] : the design/manufacture interface / Peter Scallan
Pubbl/distr/stampa	Amsterdam ; Boston : Butterworth-Heinemann, 2003
ISBN	9780750651295 0750651296
Descrizione fisica	xii, 483 p. : ill. ; 25 cm
Disciplina	658.503
Soggetti	Manufacturing processes - Planning - Data processing Production - Planification Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Preface; Acknowledgements; Introduction to manufacturing; What is process planning?; Drawing interpretation; Material evaluation and process selection; Production equipment and tooling selection; Process parameters; Workholding devices; Selection of quality assurance methods; Economics of process planning; From design to manufacture; Appendices: Control chart factors for variables; Blank control charts; Blank process planning documents. -- Index Introduction to Manufacturing -- What is Process Planning? -- Drawing Interpretation -- Material Evaluation and Process Selection -- Production Equipment and Tooling Selection -- Process Parameters -- Workholding Devices -- Selection of Quality Assurance Methods -- Economics of Process Planning -- From Design to Manufacture
Sommario/riassunto	Process Planning covers the selection of processes, equipment, tooling and the sequencing of operations required to transform a chosen raw material into a finished product. Initial chapters review materials and processes for manufacturing and are followed by chapters detailing the core activities involved in process planning, from drawing interpretation to preparing the final process plan. The concept of maximising or 'adding value' runs throughout the book and is supported with activities. Designed as a teaching and learning

resource, each chapter begins with learning objectives, explores the theory behind process planning, and sets it in a 'real-life' context through the use of case studies and examples. Furthermore, the questions in the book develop the problem-solving skills of the reader. ISO standards are used throughout the book (these are cross-referenced to corresponding British standards). This is a core textbook, aimed at undergraduate students of manufacturing engineering, mechanical engineering with manufacturing options and materials science. * Features numerous case studies and examples from industry to help provide an easy guide to a complex subject * Fills a gap in the market for which there are currently no suitable texts * Learning aims and objectives are provided at the beginning of each chapter - a user-friendly method to consolidate learning
