Record Nr. UNINA9910780446503321 Autore Swift K. G Titolo Process selection [[electronic resource]]: from design to manufacture / / K.G. Swift and J.D. Booker Oxford, England;; Boston,: Butterworth-Heinemann, 2003 Pubbl/distr/stampa **ISBN** 1-4175-0572-9 1-280-96632-7 9786610966325 0-08-047400-4 Edizione [2nd ed.] Descrizione fisica 1 online resource (333 p.) Altri autori (Persone) BookerJ. D Disciplina 670.42 Soggetti Manufacturing processes - Decision making Decision support systems Production planning Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front cover; copyright; Contents; Preface to second edition; Preface to first edition; Notation used; List of terms; Units; Manufacturing process key (for Part III); Materials key (for plastics processing); Part I: A strategic view; 1.1 Problems; 1.2 Manufacturing information for design; 1.3 Competitive product introduction processes; 1.4 Techniques in design for manufacture and assembly; 1.5 Process selection strategy; Part II: Selecting candidate processes; 2.1 Introduction; 2.2 PRIMAs (Process Information Maps); 2.3 PRIMA selection strategies; 2.4 PRIMA categories 2.5 Combining the use of the selection strategies and PRIMAsPart III: Costing designs; 3.1 Introduction; 3.2 Component costing; 3.3 Manual assembly costing; 3.4 Concluding remarks; Sample questions for students; Appendices; Appendix A - Guidelines for assemblyorientated design; Appendix B - Weld joint configurations; Appendix C - Blank component costing table; Appendix D - Blank assembly costing table; References; Part I; Part II; Part III; Bibliography; Relevant British

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The definitive practical guide to choosing the optimum manufacturing

Sommario/riassunto

process, written for students and engineers. Process Selection provides engineers with the essential technological and economic data to guide the selection of manufacturing processes. This fully revised second edition covers a wide range of important manufacturing processes and will ensure design decisions are made to achieve optimal cost and quality objectives. Expanded and updated to include contemporary manufacturing, fabrication and assembly technologies, the book puts process selection and costing into the