

Manufacturing process selection handbook / K.G. Swift, J.D. Booker

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Abstrak

Manufacturing process selection handbook provides engineers and designers with process knowledge and the essential technological and cost data to guide the selection of manufacturing processes early in the product development cycle.

Building on content from the authors' earlier introductory process selection guide, this expanded handbook begins with the challenges and benefits of identifying manufacturing processes in the design phase and appropriate strategies for process selection. The bulk of the book is then dedicated to concise coverage of different manufacturing processes, providing a quick reference guide for easy comparison and informed decision making.

For each process examined, the book considers key factors driving selection decisions, including, basic process descriptions with simple diagrams to illustrate, notes on material suitability, notes on available process variations, economic considerations such as costs and production rates, typical applications and product examples, and notes on design aspects and quality issues.