Record Nr. UNINA9910809407503321 Integrating design and manufacturing for competitive advantage // **Titolo** edited by Gerald I. Susman Pubbl/distr/stampa New York;,: Oxford University Press,, 2023 **ISBN** 0-19-770311-9 1-61344-944-5 1-280-52475-8 9786610524754 0-19-536258-6 1-60129-764-5 Descrizione fisica 1 online resource (311 p.) Collana Oxford scholarship online Disciplina 658.5/752 Soggetti Design, Industrial Engineering design New products Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Previously issued in print: 1992. Includes bibliographical references at the end of each chapters and Nota di bibliografia indexes. Nota di contenuto Contents; Contributors; 1. Integrating Design and Manufacturing for Competitive Advantage; 2. Competitive Advantage Through Design Tools and Practices; 3. Design for Manufacturing in an Environment of Continuous Change; 4. Productivity in the Process of Product Development-An Engineering Perspective; 5. The Development/Manufacturing Interface: Empirical Analysis of the 1990 European Manufacturing Futures Survey; 6. Modular Design and the Economics of Design for Manufacturing; 7. Concept Development Effort in Manufacturing; 8. Prototypes for Managing Engineering Design **Processes** 9. Managing DFM: Learning to Coordinate Product and Process Design10. Engineering Change and Manufacturing Engineering Deployment in New Product Development: 11. Manufacturing for Design: Beyond the Production/R&D Dichotomy; 12. Development of a

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Model for Predicting Design for Manufacturability Effectiveness; 13. Organizational Context Barriers to DFM; 14. The Organization and Management of Engineering Design in the United Kingdom; 15. Epilogue; Name Index; Subject Index

This collection of essays focuses on the development of strategic business capabilities through the use of design for manufacturability (DFM) tools and practices, the role of DFM in specific product development phases and the social, political and cultural context in which DFM is introduced.