| Record Nr. Autore Titolo | UNINA9910783911503321 Nee A. Y. C (Andrew Yeh Chris), <1948-> An advanced treatise on fixture design and planning [[electronic resource] /] / Andrew Y.C. Nee, Z.J. Tao, A. Senthil Kumar |
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| Pubbl/distr/stampa | Hackensack, N.J. ; ; London, : World Scientific, c2004 |
| ISBN | 1-281-89707-8 9786611897079 981-270-134-6 |
| Descrizione fisica | 1 online resource (264 p.) |
| Collana | Series on manufacturing systems and technology ; ; v. 1 |
| Altri autori (Persone) | TaoZ. J (Zhen Jun) Senthil kumarA. <1966-> |
| Disciplina | 670.427 |
| Soggetti | Jigs and fixtures - Computer-aided design Manufacturing processes Computer integrated manufacturing systems Production planning |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Preface; Table of Contents; Chapter 1 Introduction to Fixture Design; Chapter 2 Computer Aided Conceptual Fixture Design; Chapter 3 Fixture Clamping Layout Synthesis; Chapter 4 Optimisation of Dynamic Clamping Forces for a Fixture; Chapter 5 Workpiece-Fixture Interaction; Chapter 6 An Intelligent Fixturing System; Chapter 7 A Database Management System for Modular Fixtures; Chapter 8 An Internet- Enabled Smart Interactive Fixture Design System; Index; List of Authors |
| Sommario/riassunto | Fixtures are an essential part of manufacturing production. This book covers computer-aided fixture design, fixture clamping synthesis and optimisation, workpiece-fixture interaction, intelligent fixture designed to integrate with processing equipment or machine tools so as to improve productivity and product quality, Internet-enabled fixture design and modular fixture database management. These are the emerging issues central to the development of computer-integrated manufacturing. Covering the established knowledge of fixture design automation and the niche areas of fixture system integratio |

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