

1. Record Nr.	UNINA9910811503703321
Autore	Nee A. Y. C (Andrew Yeh Chris), <1948->
Titolo	An advanced treatise on fixture design and planning // Andrew Y.C. Nee, Z.J. Tao, A. Senthil Kumar
Pubbl/distr/stampa	Hackensack, N.J. ; ; London, : World Scientific, c2004
ISBN	1-281-89707-8 9786611897079 981-270-134-6
Edizione	[1st ed.]
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

