1. Record Nr. UNINA9910777979603321

Autore	Radhakrishnan P
Titolo	CAD/CAM/CIM [[electronic resource] /] / P. Radhakrishnan, S. Subramanyan, & V. Raju
Pubbl/distr/stampa	New Delhi, : New Age International (P) Ltd., Publishers, c2008
ISBN	1-282-12895-7 9786612128950 81-224-2711-1
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (690 p.)
Altri autori (Persone)	SubramanyanS RajuV
Disciplina	670.285
Soggetti	Computer integrated manufacturing systems CAD/CAM systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Preface; Contents; Chapter 1. Computer Integrated Manufacturing; Chapter 2. Product Development Through CIM; Chapter 3. Principles of Computer Graphics; Chapter 4. Computer Hardware; Chapter 5. Operating Systems and Environments; Chapter 6. Geometric Modeling Techniques; Chapter 7. Finite Element Modeling and Analysis in CIM; Chapter 8. CIM Data Base and Data Base Management Systems; Chapter 9. Computer Aided Process Planning; Chapter 10. Planning of Resources for Manufacturing Through Information Systems; Chapter 11. Manufacturing Automation; Chapter 12. CNC Machine Tools Chapter 13. Robots in Computer Integrated ManufacturingChapter 14. Computer Aided Quality Control; Chapter 15. Fundamentals of Networking; Chapter 16. Collaborative Engineering; Chapter 17. Graphic Standards; Chapter 18 CIM Models; Chapter 19. Flexible Manufacturing Systems; Chapter 20. Shop Floor Data Collection Systems; Chapter 21. Simulation in Manufacturing; Index
Sommario/riassunto	About the Book: The new edition of CAD/CAM/CIM has been brought out to focus on the response of CIM technology to address to new challenges faced by manufacturing in the new millennium. CIM is moving towards more and more sophistication in exploiting the

capabilities of computer hardware and software. This book gives a detailed account of various technologies which form computer based automation of manufacturing activities. Computer aided shape design and geometric modeling have been revised and an introduction to robust design has been added. Design coverage is enlarged by adding FEA.