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	Titolo	Computer Aided Virtual Manufacturing Using Creo Parametric : Easy to Learn Step by Step Guide / / by Paul Obiora Kanife
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	ISBN	3-319-23359-9
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (L, 640 p. 1251 illus.)
	Disciplina	620.00420285
	Soggetti	Manufactures
		Computer-aided engineering
		Computer science - Mathematics
		Technical education
		Manufacturing, Machines, Tools, Processes
		Computer-Aided Engineering (CAD, CAE) and Design
		Computational Science and Engineering
		Engineering/Technology Education
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
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	Nota di contenuto	Introduction -- Engraving Tutorial -- Face milling Operation -- Volume Rough Milling Operation -- Profile Milling Operation -- Volume Rough Milling Operation, Mill Surface and Drill Operation -- Volume Rough Milling using Mill Window and Surface Milling Operation -- Expert Machinist -- Electric Discharge Machining (EDM) -- CNC Area Lathe -- Area Lathe Turning, Drilling, Boring and Volume Milling -- Five Axes Machining of Intricate Part -- Surface Milling of Intricate Cast Part.
	Sommario/riassunto	Providing a step-by-step guide for the implementation of virtual manufacturing using Creo Parametric software (formerly known as Pro-Engineer), this book creates an engaging and interactive learning experience for manufacturing engineering students. Featuring graphic illustrations of simulation processes and operations, and written in accessible English to promote user-friendliness, the book covers key topics in the field including: the engraving machining process, face milling, profile milling, surface milling, volume rough milling, expert

machining, electric discharge machining (EDM), and area turning using the lathe machining process. Maximising reader insights into how to simulate material removal processes, and how to generate cutter location data and G-codes data, this valuable resource equips undergraduate, postgraduate, BTech and HND students in the fields of manufacturing engineering, computer aided design (CAD) and computer aided engineering (CAE) with transferable skills and knowledge. This book is also intended for technicians, technologists and engineers new to Creo Parametric software.