

1. Record Nr.	UNINA9910983361503321
Autore	Deepak B. B. V. L
Titolo	Recent Advancements in Product Design and Manufacturing Systems : Select Proceedings of IPDIMS 2023 // edited by B B V L Deepak, M.V.A. Raju Bahubalendruni, D.R.K. Parhi, B. B. Biswal
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819767328 9789819767311
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (705 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Altri autori (Persone)	BahubalendruniM. V. A. Raju ParhiD. R. K BiswalB. B
Disciplina	670
Soggetti	Industrial engineering Production engineering Engineering design Manufactures Industrial and Production Engineering Engineering Design Machines, Tools, Processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Artificial intelligence in manufacturing processes -- Chapter 2. Optimization and simulation -- Chapter 3. Process planning and scheduling -- Chapter 4. Smart manufacturing -- Chapter 5. Virtual manufacturing -- Chapter 6. Robotics, mechatronics & automation -- Chapter 7. Precision engineering and metrology -- Chapter 8. Supply chain management -- Chapter 9. CAD/CAM/CAE -- Chapter 10. Design for cost, sustainability, manufacturing and assembly -- Chapter 11. Human factors in product design -- Etc.
Sommario/riassunto	This book presents select proceedings of the 5th Innovative Product Design and Intelligent Manufacturing System (IPDIMS 2023) conference. It covers concepts and recent methods that are implemented in intelligent manufacturing systems along with the product innovation

technologies. The broad topics covered include Industry 4.0, Industry 5.0, smart manufacturing, advanced robotics, product innovation, and CAD/CAM/CIM. The contents of this book are useful for academics as well as professionals working in the areas of mechatronics, mechanical, manufacturing, production, and industrial engineering.

---