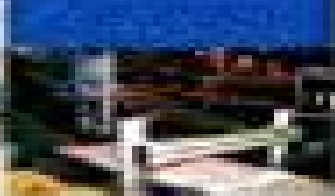
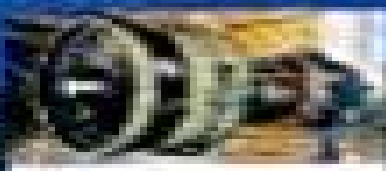
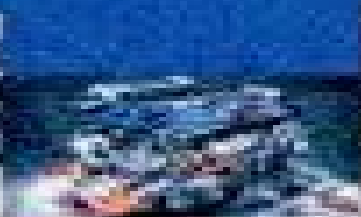
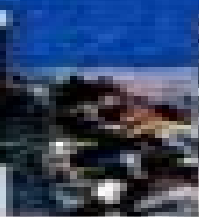


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Nanofinishing Science and Technology Vijay Kumar Jain,2016-12-12 Finishing is the final operation after a part is sized and shaped Currently in high tech industries there is a demand for nano level surface finishing of components This process is done to improve the surface finish to remove the recast layer or to remove surface and sub surface defects The result is low friction longer product life and low power requirements Equally important is the aesthetic aspect of the product This subject is growing very fast from the technology as well as a science point of view Books on this subject are very limited particularly those ones that deal with both the science as well as the technology aspects *Journal of Engineering for Industry* ,1996

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Fundamentals of Design and Manufacturing G. K. Lal,N. Venkata Reddy,Vijay Gupta,2005 A systematic approach towards integration of design and manufacturing is essential for optimizing all elements of the integrated manufacturing system This book is an attempt towards this approach and is intended to provide an introduction to the design process the manufacturing

processes and the tools for integration to young engineering students Fundamental information on materials manufacturing processes and integrated manufacturing are provided which will help the designer in the selection of most appropriate materials processes and methods to transform his ideas into a successful product Fundamentals of Machining and Machine Tools ,2013-12-30 Fundamentals of Machining and Machine Tools deals with analytical modeling techniques of machining processes modern cutting tool materials and their effects on the economics of machining The book thoroughly illustrates the causes of various phenomena and their effects on machining practice It includes description of machining processes outlining the merits and de merits of various modeling approaches Spread in 22 chapters the book is broadly divided in four sections 1 Machining Processes 2 Cutting Tools 3 Machine Tools 4 Automation Data on cutting parameters for machining operations and main characteristics of machine tools have been separately provided in Annexures In addition to exhaustive theory a number of numerical examples have been solved and arranged in various chapters Question bank has been given at the end of every chapter The book is a must for anyone involved in metal cutting machining machine tool technology machining applications and manufacturing processes **Manufacturing Science and Technology K** Varaprasad Rao,K. Vara Prasada Rao,2009 Suitable for mechanical industrial and production engineering students at both degree and diploma level and for competitive examinations this contains chapters covering the various topics the subject

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