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Sommario/riassunto	This book presents select proceedings of the 8th International and 29th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2021). It discusses the latest advances in miniature manufacturing, machining of miniature components, surface engineering, nanomaterials, nanotechnology, Industry 4.0, optimization techniques, micro-electric discharge machining, electrochemical micro-machining, thin films, optimization of micro-machining process parameters, machining of nano-composites, characterization using atomic force microscopy, micro-tool fabrications, characterization of

nano-composites, surface roughness analysis, tribological performance of surface coated materials and sustainability in manufacturing. The contents of this book are useful for students, researchers and as well as industry professionals in the various fields of mechanical engineering.
