Record Nr. UNINA9910366608003321 Autore Jagadish Titolo Abrasive Water Jet Machining of Engineering Materials / / by Jagadish, Kapil Gupta Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2020 **ISBN** 3-030-36001-6 Edizione [1st ed. 2020.] Descrizione fisica 1 online resource (77 pages) Collana Manufacturing and Surface Engineering, , 2365-8223 620.11 Disciplina Soggetti Machinery Pollution prevention Ceramics Glass Composites (Materials) Composite materials Machinery and Machine Elements **Industrial Pollution Prevention** Ceramics, Glass, Composites, Natural Materials Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Introduction to Green Machining -- Green Machining of Metallic Nota di contenuto Materials -- Green conventional and green advanced machining techniques -- Dry Machining -- Cutting tool materials, coatings, and geometies for Green Machining -- Green Machining of Polymeric Materials -- Green Machining of Ceramic Materials -- Green Machining Induced Surface Integrity of DTM Materials. Sommario/riassunto This book presents insights in green techniques used in conventional and advanced machining. It consists of various experimental case studies conducted by the authors on green machining of difficult-tomachine materials, polymer and ceramic materials. Effects of green techniques / processes on machining properties like material removal rate, surface quality, geometric accuracy, productivity, and environment

while machining various materials are reported. .