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Titolo	Hot Stamping of Ultra High-Strength Steels : From a Technological and Business Perspective // edited by Eren Billur
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ISBN	3-319-98870-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (251 pages)
Disciplina	629.232
Soggetti	Engineering—Materials Metals Manufactures Automotive engineering Materials Engineering Metallic Materials Manufacturing, Machines, Tools, Processes Automotive Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Metallurgy of Steels -- History and Future Outlook of Hot Stamping -- Blank Materials -- A Hot Stamping Line -- Hot Stamping Dies -- Post Forming Operations -- Tailored Properties -- Hot Tube Forming -- Simulation/Analysis of Hot Stamping -- Economics of Hot Stamping.
Sommario/riassunto	Providing a comprehensive overview of hot stamping (also known as 'press hardening'), this book examines all essential aspects of this innovative metal forming method, and explores its various uses. It investigates hot stamping from both technological and business perspectives, and outlines potential future developments. Individual chapters explore topics such as the history of hot stamping, the state of the art, materials and processes employed, and how hot stamping is currently being used in the automotive industry to create ultra-high-strength steel components. Drawing on experience and expertise gathered from academia and industry worldwide, the book offers an

accessible resource for a broad readership including students,  
researchers, vehicle manufacturers and metal forming companies.

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