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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	; 1. Overview of laser-cutting applications -- ; 2. Market for laser cutting -- ; 3. Materials -- ; 4. Machines -- ; 5. Methods -- ; 6. Man -- ; 7. Measurement -- ; 8. Mother Nature -- ; 9. Quality -- ; 10. Productivity -- ; 11. Profitability -- ; 12. Safety and environment -- ; 13. The six-sigma approach -- ; App. A. Basics of lasers -- ; App. B. Laser-beam propagation -- ; App. C. Nozzle gas dynamics.
Sommario/riassunto	"Laser Cutting Guide for Manufacturing presents practical information and troubleshooting and design tools from a quality manufacturing perspective. Equally applicable to small shops as it is to large fabricator companies, this guide is a roadmap for developing, implementing, operating, and maintaining a laser-cutting manufacturing enterprise. The book focuses on metal cutting of sheets, plates, tubes, and 3-D shaped stampings. It presents today's reality of the engineering and business challenges, and opportunities presented by the rapid penetration cutting in all facets of industry."--BOOK JACKET.