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Descrizione fisica	1 online resource (204 p.)
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Disciplina	363.7282
Soggetti	Robotics Automation Manufactures Sustainable development Management Industrial management Robotics and Automation Manufacturing, Machines, Tools, Processes Sustainable Development Innovation/Technology Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- General Disassembly Process -- Disassembly Automation -- Vision System -- Cognitive Robotics -- Implementation and Case-Study -- Conclusions.
Sommario/riassunto	This book presents a number of aspects to be considered in the development of disassembly automation, including the mechanical system, vision system and intelligent planner. The implementation of cognitive robotics increases the flexibility and degree of autonomy of the disassembly system. Disassembly, as a step in the treatment of end-of-life products, can allow the recovery of embodied value left within disposed products, as well as the appropriate separation of potentially-hazardous components. In the end-of-life treatment

industry, disassembly has largely been limited to manual labor, which is expensive in developed countries. Automation is one possible solution for economic feasibility. The target audience primarily comprises researchers and experts in the field, but the book may also be beneficial for graduate students.
