

1. Record Nr.	UNINA9910298534803321
Autore	Ullerich Christian
Titolo	Advanced disassembly planning : flexible, price-quantity dependent, and multi-period planning approaches // Christian Ullerich
Pubbl/distr/stampa	Wiesbaden, : Springer, c2014
ISBN	3-658-03118-2
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (416 p.)
Disciplina	658.1
Soggetti	Factory and trade waste Recycling (Waste, etc.) Salvage (Waste, etc.) Production engineering
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.
Nota di contenuto	Fundamentals -- Complete disassembly planning -- Flexible disassembly planning -- Resume.
Sommario/riassunto	<p>Disassembly is one of the key elements of any processing of recovered products. Be it for repair, remanufacturing, refurbishing, cannibalisation, material recycling, or disposal. Hence, planning the disassembly is important and—with growing amounts of recovered products and need for saving resources—becomes even more important. The disassembly planning approaches presented are based on mathematical programming. With this methodology a profit-optimal planning of quantities of multiple types of recovered products as well as parts distribution, material recycling, and disposal quantities is realised. Thereby, typical aspects, like material purity requirements, the condition of the recovered products, hazardous parts, and capacity limitations, are also considered. A new approach is the presented combination of disassembly-to-order planning and disassembly sequencing, which is called Flexible Disassembly Planning. Contents</p> <ul style="list-style-type: none"> · Flexible Disassembly Planning · Disassembly planning considering price-quantity dependencies · Rolling horizon disassembly planning · Disassembly path assignment Target Groups · Researchers and students in the field of Business

Administration with focus on Disassembly Planning and Operations
Research · Managers and experts with focus on Disassembly
Planning About the Author Christian Ullerich was university lecturer
and researcher in the fields of Operations Research and Industrial
Management at the faculty of economic sciences at the
Technische Universität Dresden.
