


## A model of evaluation of design for disassembly

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**Abstract:** In a new industrial model, the ecological factor will be allied to the economical and technological factors. According to it business strategies the new industrial paradigm cares for environmentally correct production processes and products. The product design activity, established in the beginning of the process has a great influence on the product life cycle. Therefore, it is at this stage that solutions for the development of environmentally correct products must be found, those witch contemplate solutions for the product life cycle end, predicting the reutilizing, recovering and recycling of the products or of its parts. Therefore, disassembling the product before it is worn out seems to be necessary so that reutilizing, recovering, and recycling alternatives for the product become viable. This study presents disassembly design rules and proposes an evaluation model of the product design as to its disassembly at the end of its useful life cycle. It is presented as software, so that its application becomes easier for users.

**Keywords:** concurrent engineering, design for disassembly, product development process.

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