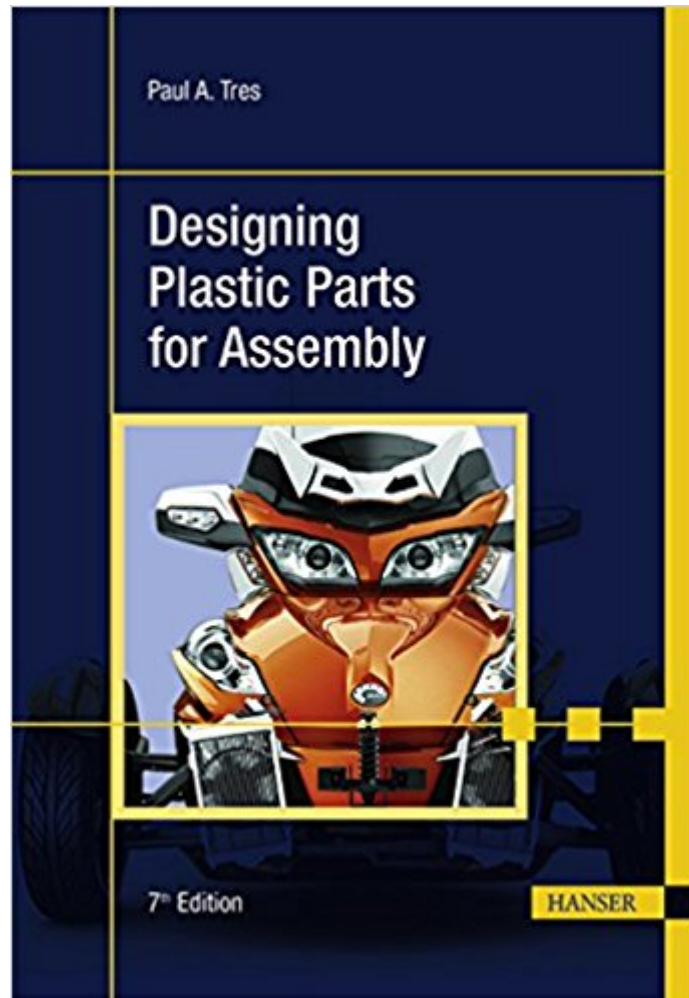




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Designing Plastic Parts For Assembly



Synopsis

This book provides an excellent tool for both seasoned part designers and novices to the field, facilitating cost effective design decisions and ensuring that the plastic parts and products will stand up under use. The detailed, yet simplified discussion of material selection, manufacturing techniques, and assembly procedures enables the reader to evaluate plastic materials and to adequately design plastic parts for assembly. This book describes good joint design and implementation, the geometry and nature of the component parts, the types of load involved, and other basic information necessary in order to work successfully in this field. Throughout, the treatment is practice-oriented and focused on everyday problems and situations.

Book Information

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Customer Reviews

Paul A. Tres is a best selling author and an international speaker and lecturer on plastic product development and design having years of experience in design, marketing, selling and manufacture of plastic components and systems while serving the plastics and automotive industries. For his contribution to the spread of knowledge about plastic product design and development he was elected (1998) Fellow of the Society of Plastics Engineers (SPE). Tres offers a broad perspective of the plastic industry in general and to the plastic marketing, manufacturing, material selection, and part design in special. His expertise extends to manufacturing processes such as in-mold-assembly, co-injection, fusible core injection molding, gas assist injection molding, material selection,

multi-shot injection molding and project management with national and international teams of professionals in Brazil, Canada, China, France, Germany, India, Italy, Malaysia, Mexico, South Korea, Thailand, United Kingdom, and United States. Tres' experience includes innovation strategies, competitive analysis, design trend mapping, new business concepts and the creation of user experiences through integrative interaction of marketing and design. A practicing consultant, author, and lecturer, Tres is the founder of Engineering Training Services, established in 1992 in Michigan as a full-service consultancy. Tres is a frequent international lecturer, speaking on plastic product design and development, marketing strategies, product positioning and introduction, design philosophy and robust design to audiences in twelve countries.

This isn't a textbook full of complicated theory and formulas. It's a great go-to reference for people designing plastic components and assemblies. After a crash course in materials and plastics, it covers all of the fundamental methods for securing/fastening (snap fits, living hinges, etc.) parts together and lists the essential formulas and ratios necessary to design those features. Everything is well illustrated and there are also plenty of real world examples.

Very helpful. Delivered as promised

This book dated back 15 years - I know this because it is/was a library book - the date stamp panel and category label are still there. The page edges have been scribbled upon. The book itself is in very poor condition - binding has gone and pages are falling out. The technical content is what I wanted but I can't believe I paid near \$32 for it. Steamertrunkbooks should be scratched off your supplier list

Excellent book covering all aspects of designing plastic parts for assembly and mass production.

Bryan McDonald. Apple Product Design. Product Design Manager.

It's helpful for M.E. for plastic parts design. So many informations to help engineers how to design plastic parts and how to assembly it.

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