

## Modeling, Simulation and Fabrication of Hydraulic Press

By Malik, Farhan Azhar / Sahi, Farhan Arif

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | 10 Ton | A hydraulic press is a machine that uses a hydraulic cylinder to generate compressive force with a pump-motor unit. Hydraulic Press has many uses in industry. It can perform various operations like bending, punching and coining etc. A basic structure was designed using strength of materials, beam bending theory, applied/allowable stress analysis, and material deflection. Solid Works and Creo-Pro were used for modeling and simulation of the design. Moreover stress analysis of the different machine parts and structure was also done on these softwares. Cost analysis and material choices are relayed along with a complete set of engineering drawings for the manufacture of the press. Testing and failure modes were investigated with an overall goal of cost-effectiveness and safety in mind. This book targets the mechanical and manufacturing engineers who want to learn the process and techniques required for the designing and fabrication of machines like hydraulic press, lathe etc. | Format: Paperback | Language/Sprache: english | 88 pp.



## Reviews

A high quality book as well as the font applied was exciting to read through. This can be for all those who statte there was not a well worth looking at. I discovered this ebook from my i and dad recommended this ebook to find out. -- Mr. Monserrat Wiegand

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