

## Author's Profile



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### Short Profile :

- Mahesh T. Kanojiya is M.Tech Scholar at Department of Mechanical Engineering in D.B.A.C.E.R, Nagpur, India.
- He has completed B.E. (Mechanical). He has done academic project on Electromagnetic braking system with or without sensor.

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## Article Review Report

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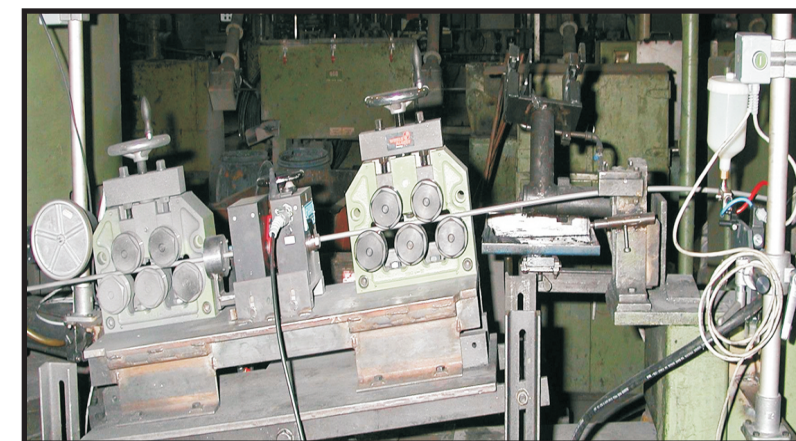
### ORIGINAL ARTICLE

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### IDENTIFICATION OF DEFECTS IN DRAWING OPERATION WITH REMEDIAL STEPS



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ABSTRACT:

The topic “Identification of defects in drawing operation with remedial steps” is a discussion on the introduction to forming operations, its overviews, idea of the project, problem identification. Further going with details it includes literature review and objective of the project. There are many ways to manufacture the drawing product such as using the different die sets.

Abstract Report: The Title Accurately Said The Study was About.

INTRODUCTION:

Most products of the sheet metal press work are not flat blanks that can be produced by die- cutting operation alone. They generally have the third dimension obtain by a shaping operation which deforms the metal to various degrees. The shaping operation may be performed in the same die as the cutting operation, of it may be done separately. The part that is formed generally takes the shape of the punch or die.

Introduction Report: This Article Include Full Introduction, Methods, Results & Introduction Section.

METHODS & MATERIALS:

The selection of the material for the draw punch and the draw die is determined the same as for any other tool. It is determined largely by the number of parts to be drawn and their ultimate unit cost.If less than 100 parts are to be drawn a plastic or zinc alloy material is satisfactory. For production of around 1000 parts a plain cast iron ring is suitable. Cast iron punches and dies can be chrome plated for medium production runs.

Methods & Materials Report: Tables/Boxes/Diagram & Images are Used to Explain Specific Points or Background Information. Figures That The Plotted Parameters are Clearly Mentioned.

RESULT:

The analyses of the die proceeds with the mesh generation and after meshing force are applied on the corner radius of the die. While doing the analysis of the die on the software (ANSYS 14.0) we find that the die is safe but the failure occurs at the fixing arrangement of the die that is at the four holes which are provided for fixing the die. Now again we apply the forces on the whole surface area of the die and check the failure the die again safe.

Result Report: Figures are Imported to Provide Explanation for Background Information. Conclusion of This Paper Clearly Supported Results.

CONCLUSION:

On the basis of software simulation it has been seen that the die is safe if the various operations are combined and the time required for the manufacturing of the component may be reduces as the die sets are reduced for manufacturing of the component.

Conclusion Report: The Text is Rounded off with a Conclusion that Discusses the Implication of The Findings & Ideas Discussed & Their Impact on Future Research Direction.

REFERENCES:

- TOOLDESIGN BY“ Cyril Donaldson” third edition, TATAmcgraw- HILLPUBLICATION COMPANYLTD.
- TOOLENGINEERING AND DESIGN BY“ G. R. Nagpal” , KHANNAPUBLISHERS
- FUNDAMENTALS OF TOOL DESIGN BY “Wilson f. W.” ,ASTME, PRENTICE HALL OF INDIA PRIVATE LIMITED .

Reference Report: There are Places where the Author Mahesh T. Kanojiya and Diwesh B. Meshram Need to Cite a Reference, but Have Not

SUMMARY OF ARTICLE

	Very High	High	Average	Low	Very Low
1. Interest of the topic to the readers	✓				
2. Originally & Novelty of the ideas		✓			
3. Importance of the proposed ideas	✓				
4. Timelines		✓			
5. Sufficient information to support the assertions made & conclusion drawn					
6. Quality of writing(Organization, Clarity, Accuracy Grammer)	✓				
7. References & Citation(Up-to-date, Appropriate Sufficient)		✓			

This Article is Innovative & Original, No Plagiarism Detected

FUTURE RESEARCH SUGGESTIONS

This Article can expand further research for MINOR/MAJOR Research Project at UGC

POST PUBLICATION:

Your article is published on following sites...you can read it.



Future Research Planning:

1. 4th INTERNATIONAL CONFERENCE On Software Solutions, E-Learning, Computer Sciences, Information and Communication Technology (SECICT– 2014) ([http://www.krishisanskriti.org/itcs\\_conference.html](http://www.krishisanskriti.org/itcs_conference.html) )
2. 1st to 3rd July 2014 A Coruna, Spain Advances in Fluid Mechanics 2014 (<http://www.wessex.ac.uk/afm2014> )
3. 2014 3rd International Conference on Civil Engineering and Materials (ICCEM 2014) (<http://www.iccem.org/> )
4. International Conference On Advances in Mechanical, Aeronautical and Production Techniques – MAPT(<http://mapt.theired.org>)