A study on a novel press of Stephen type

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Summary

The objective of this paper is to propose a novel press of Stephenson type, and verify its feasibility. First, the system is presented and its advantages are discussed. Then, the kinematic analysis of the system is obtained by examining the geometry of the design. Finally, a design example is given to verify the feasibility of the design by conducting computer simulation. All the above analysis and design are illustrated by using Stephenson type mechanism. The results show that the developed system is feasible and with high potential to be applied to a press for precision forming.

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