

# Review Research Paper on Automatic Stamping Machine Using PLC

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**Abstract:** *This paper represents the literature review research paper on Automatic stamping machine using PLC module. The conventional method for object stamping is manual, it is very time consuming and in non-automatic form. Continuous stamping or printing results in hand fatigue requires lots of efforts and also affects the accuracy to result so the manual method must be replaced by PLC Automation. Automatic stamping of object has received significant attention because automatic stamping is reliable and reproducible. This not only reduce manual effort but also gives more time for marketing also prevent danger which might occur when human being works in hazardous environment. Automation greatly improves the profit and productivity, it is very scalable.*

**Keywords:** Stamping Machine, PLC, Pneumatics Cylinder, Ladder Logic Programming

## REFERENCES

- [1]. Sheela. S, Shivaram. K. R ,Meghashree. S, Monica. L, Prathima. A, Shriya. M .Kumar, “Low Cost Automation for Sorting of Objects on Conveyor Belt”, Vol. 5, Special Issue 10, May 2016, pp.195-200.
- [2]. AmrutaPandit, Jyoti “Object counting using image processing technique”Vol. 3, Issue 4, April 2014, pp.8509-8512
- [3]. Avadhoot R. Telepatil, “Colour Object Counting and Sorting Mechanism Using Image Processing Approach” Volume 02, Issue 03, [March - 2015].
- [4]. Mr. Ravipothin “Automatic Pneumatic stamping machine” International Journal & Magazine of Engineering Technology & research Volume 2, Issue no 7, july2015 ISSN 2348-4845
- [5]. A Gundawar “Pneumatic Stamping Machine”, IJARIE, Vol-3 Issue-3 2017
- [6]. Mr.Arun S, SreeRajendra and VijayavithalBongale “Automatic Punching Machine: A low cost approach” ( 2014).
- [7]. Mr. Raj Kumar Sharma, RakeshPatwal, Rakesh Kumar Yadav, Vijay pratap , Kinematic Design & Development of Automatic Pa-per Stamping Machine by using CAM & FOLLOWER Mechanism[2015-16].
- [8]. Mr. D .S .Welkar, LalitS.Saindane, Niraj S. Nerker, HarshalR.Baviskar, Vishal P. Sonawane, “ Automatic Stamping And Pad Printing Machine”, 7th International Conference on Science, Technology and Management , ISBN:978-93-86171-30-6, 2005.
- [9]. Mr. S. M. Pimpalgaonkar, Mr. S. V. Kale, Mr. S. G. Ghugal, Mrs. S. V. Borkar, “Automatic Stamping Machine for Post Card to Over Come the Usage of Manual Repetitive Stamping Work”, International Journal For Research In Emerging Science And Technology ,Special Issue ,2007
- [10]. MohdJazirin Bin Shamsul , “Programmable logic control application for stamping operation”, University TeknikalMaleshiya Melaka ,2008.
- [11]. Mr. Ravipothina,B.Raju, G. Upendra Kumar, “Automatic pneumatic stamping machine” , International Journal & Magazine Of Engineering,Technology,Management And Research ,2008.
- [12]. Yusha Patel, PrajaktaAtale , Maitri Shah, R. S. Deshmukh, “Arduino controlled automatic paper stamping machine.”, International Journal of Scientific & Engineering Research, Volume 8, Issue 2, ISSN 2229-5518 2009
- [13]. Akshay Gundawar<sup>1</sup>, Yogesh Shahane<sup>2</sup>, Aditya Kathar<sup>3</sup>, Prof. S. A. Shimple<sup>4</sup>, “Pneumatic stamping machine”, Vol-3 Issue-3, IJARIE-ISSN(O)-2395-4396, 2009,

- [14]. ThivankaKasunGunawardena, P R Dadigamuwa and B G D A Madhusanka, “Low Cost Automated Machine for Paper Gathering and Folding.”, European Journal of Advances in Engineering and Technology, Vol 2(2): 40-43, 2009
- [15]. RakeshSehgala&AshimSharmab , “A graphical approach for.kinematic design and development of an automatic stamping machine. using four bar chain”, Indian Journal of Engineering & Materials Sciences, Vol. 15, pp. 229-235, June-2009.
- [16]. EktaTripathi, PawanChaudhary, “Material sorting and stamping machine”, International Journal of Current Trends in Engineering & Research (IJCTER), e-ISSN 2455-1392 Volume 3 Issue 5,. 163 – 169 Scientific Journal Impact Factor : 3.468,May 2011.
- [17]. PawanKoppa, Dr.N.Nagaraja, Amith.V, Sushilendra , Vyasraj T,” “Development and Fabrication of Electro Pneumatic Automatic Stamping Machine.”, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Issue 9, September 2012.