

4 Axis Automatic Spray Painting

Siddhant Dnyaneshwar Jadhav¹, Samir Nitesh Maind², Sunny Suresh Pawar³, Pratik G. Gangawane⁴, Vikas S. Daund⁵
Mechanical Engineering, Matoshri College of Engineering and Research Centre Nashik, India^{1,2,3,4,5}

Abstract: *It was developed as a solution to the problem of automated painting in small-scale organisations and as a preventative measure against a scarcity of skilled employees in small businesses. There is a possibility that our automated spray-painting method may assist smaller businesses. In order to successfully complete this project and fulfil its requirements, an automated paint spraying system equipped with a conveyer was developed and installed. In this manner, the paint is applied by squirting it on using compressed air. On the surface of the specimen, paint, ink, or varnish may be applied with the assistance of compressed air. Paint particles are steered in a particular direction by the high-pressure air that is produced by an air compressor. The spray pattern is one of a kind as a result of the fact that the size of the spray particles is controlled by the size of the airbrushes. Spray painter patterns and brushes provide for a wide range of creative possibilities. Fine art, nail painting, and photo editing are some of the things that fall under this category. It is inexpensive since it does not need any experienced labourers in order to increase output.*

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